

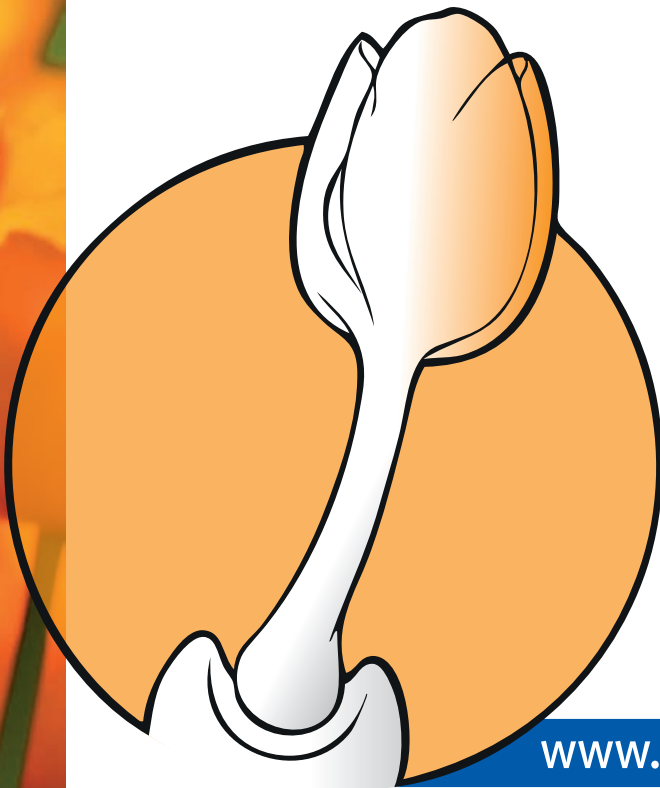
AMSTERDAM / THE NETHERLANDS



16th ESSKA Congress

14-17 May 2014 / AMSTERDAM

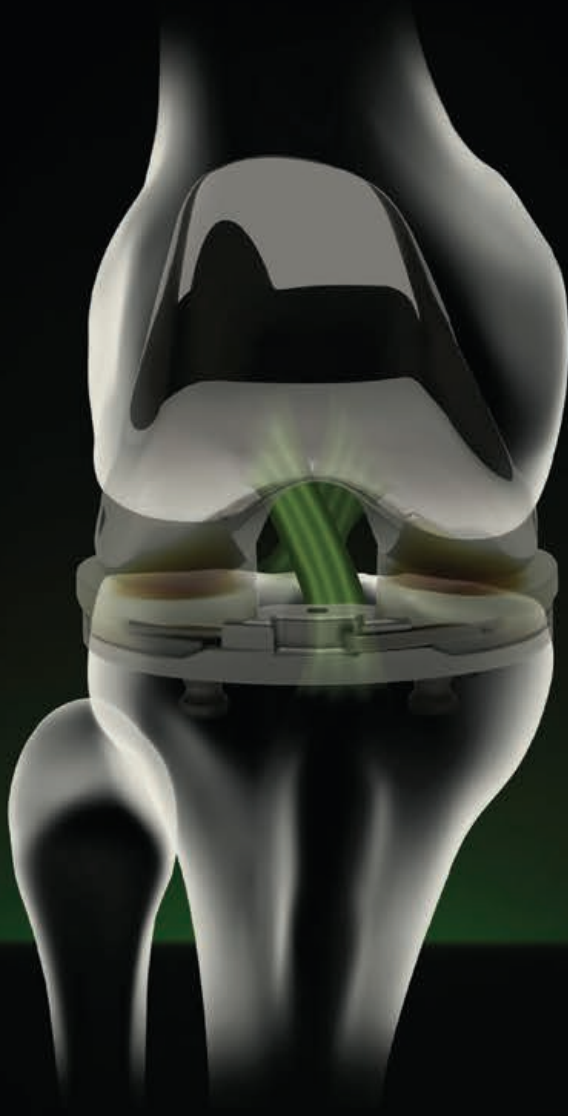
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WELCOME ADDRESS ESSKA PRESIDENT

Dear friends and ESSKA members,

ESSKA has gone through a very important growth period and following many changes has consolidated its position as one of the world's leading societies in orthopaedic sports trauma.

By understanding the need of Europe to standardize its level of medical education and in order to deliver a premier health care system which ensures high quality patient care, ESSKA has and shall continue to be committed to the continuing medical education of orthopaedic surgeons through close collaboration with many National Affiliated Societies from both East and West Europe.

Not only has ESSKA doubled its membership numbers in the past two years but the combination of its 2,800 members and 23 affiliated societies makes ESSKA the most relevant European society in our field.

As you know ESSKA is a non-profit organisation that stands for quality, independence, ethics and rigor. Through listening to the needs of its members a development strategy was formulated many years ago and ESSKA continues to strive to not only meet the goals set out then but to surpass them each year. The extreme energy and dedication of the past and current ESSKA Board members enables us to share with you the enjoyment of accomplishment of all our priorities: our new executive office which now has a more professional staff (six now); the purchase of our KSSTA journal (signed); the launch of our new journal of experimental orthopaedics, the (JEO) – already online and receiving submissions; the ESSKA Academy (a web education platform – online in Amsterdam) and the creation of the ESSKA Foundation in Luxembourg (in September 2013). The ESSKA Foundation is managed under the umbrella of the prestigious Fondation du Luxembourg and will be a strong tool to help finance our future educational projects.

It is time to smile and to thank you especially all the board members, KSSTA and JEO officers, sections, committees and office staff.

It was the greatest honour of my life to serve this society alongside this team!

We have our biennial Congress in Amsterdam from 14 to 17 May 2014. You will have the opportunity to attend one of the best scientific programmes ever, which includes 18 Instructional Courses, over 40 symposia, 15 keynote lectures, debates and case-discussions, 220 independent papers, podium presentations, live surgeries, over 500 posters and a session for ESSKA's various awards. Video-stations will be running throughout the congress.

Welcome to Amsterdam!

João Espregueira-Mendes
ESSKA President

WELCOME ADDRESS CONGRESS PRESIDENT

Dear Friends and Colleagues,

It gives me enormous pleasure to welcome you to Amsterdam, my own beloved Amsterdam, for our 16th Congress!

This year ESSKA's Congress is thirty years old. In 1984 we held our first tentative conference in Berlin, which was attended by 800 delegates. How things have changed since then, and how ESSKA has prospered! We are now a force for good, across Europe and beyond. And we are reaching out, to link hands with America and Asia.

Our Geneva Congress in 2012 was the culmination of ESSKA's rapid expansion in size and scope. That much is clear. But what of this Congress in Amsterdam? For me, this is also clear. ESSKA is now beginning its Golden Age, an age of maturity and prestige. And what better place than Amsterdam, whose own Golden Age saw my energetic countrymen spreading out across the world, driven by that inquisitiveness – that zest for the new and the undiscovered – which has created the modern world.

And it was Amsterdam's Golden Age that saw Holland's greatest contribution to medicine and, arguably, to the whole of mankind. This was the invention of the microscope, and the discovery of the "inner world". The Jansen brothers invented the device, and made it work.

Then Van Leeuwenhoek deployed it, and bombarded the Royal Society in London – then the world's leading forum for science – with his many discoveries: of organelles and bacteria and micro-structures, and of course the secrets of reproduction ...

Their legacy is everywhere around us, and in everything we do, as scientists and practising surgeons. And this is the legacy we honour, every time we wander amongst the canals and the gabled houses of Amsterdam's centre. For this splendid place was built with the wealth that followed, a wealth of spirit and self-confidence. And then ask yourselves the important question – whether ours own contribution can be compared with theirs, and be remembered as theirs has been? Are we living up to their standards?

You may well find the answer here, in ESSKA's congress. For we are driven by the same inquisitiveness, the same desire to find out. And we are pushing the boundaries of what is known, and known to be the best.

Our congress chairmen – Stefano Zaffagnini, Roland Becker and Gino Kerkhoffs – have prepared an extraordinary programme, crammed with scientific-lectures, with symposia and live-demonstrations, workshops and debates. And you won't just be enriched in your knowledge. You will be making new friends and meeting old friends.

I wish you all a fantastic congress!

C. Niek van Dijk

Congress President

WELCOME ADDRESS SCIENTIFIC CHAIRMEN

Dear Colleagues and Members of ESSKA,

The European Society of Sports Traumatology, Knee and Arthroscopy (ESSKA) is pleased to welcome you to our 16th Congress, in Amsterdam, 14 - 17 May 2014.

We are proud to inaugurate our finest ever scientific programme, comprising more than 750 podium presentations and over 700 posters. The scientific quality of the submissions has been the highest ever, and has generated fierce competition for acceptance, both abstracts and podium presentations. We therefore recommend our new e-poster terminals, which will display hundreds of additional studies. Altogether, there will be 18 Instructional Course Lectures, 53 symposia, 14 keynote lectures, 2 debates and 5 case-discussions, all of which will benefit from your active participation.

This year's congress will introduce to you several new and exciting features. The four live-surgical demonstrations will bring you directly to the operating table, observing the latest procedures for ACL reconstruction, shoulder-instability, ankle and degenerative-knee prosthetics.

In addition, young residents will be represented, with their association (FORTE), with a half-day programme.

The successful Comprehensive Sports Medicine Review Course has been extended to a full-day's programme. Videos with technical tips-and-tricks, along with electronic-posters, will be available throughout the entire meeting in an interactive manner.

We welcome our six highlight speakers: Andrew Amis from England, Johan Bellemans from Belgium, Michael Kjaer from Denmark, Masahiro Kurosaka from Japan, Rui Reis from Portugal, and René Verdonk from Belgium. They will provide an overview of sports traumatology, tissue-engineering, tendinopathy and degenerative-knee. ESSKA is proud to host these eminent and distinguished speakers.

As an established ESSKA tradition, the best of the submitted abstracts have been selected for a "Star Paper Session", and those with the highest scores will compete for the Theo-van-Rens Award, which will be awarded on Thursday, 15 May, between 10:30 - 12:00.

We are also proud to present a three-day programme for physiotherapists. This will cover the most pertinent topics in sport and physical therapy.

ESSKA's 16th Congress begins Wednesday morning, 14 May, and will end on Saturday, 17 May, at lunch time. Each day will commence with Instructional Course Lectures in each room, followed by a parallel programme of symposia, lectures, free papers, debates and interactive sessions.

We cordially welcome you to Amsterdam to share your experience, and participate in this exciting scientific programme.

Stefano Zaffagnini
Scientific Chairman

Roland Becker
Vice Chairman

Gino Kerkhoffs
Vice Chairman

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THURSDAY, 15 MAY 2014

07:30 - 08:55

Room	Title	Chair	see page
FORUM	ICL 01: Anatomy of the ACL and reconstruction	<i>Siebold R. (Germany), Järvelä T. (Finland)</i>	51
G 102-103	ICL 02: Elbow arthroscopy: From basic to advance	<i>Arrigoni P. (Italy), Eygen- daal Denise (Netherlands)</i>	59
E 104-107	ICL 03: Tips and tricks in UKA	<i>Argenson J. (France), Fuchs-Winkelmann Susanne (Germany)</i>	55
G 104-105	ICL 04: Achilles tendon rupture treatment: still a weak spot?	<i>Calder J. (United Kingdom), Longo U. (Italy)</i>	65
G 106-107	ICL 05: Shoulder osteoarthritis in the young and current treatments	<i>Brzoska R. (Poland), Huijsmans P. (Netherlands)</i>	71
AUDITORIUM	ICL 06: Cartilage lesion and the patello-femoral joint	<i>Koeter S. (Netherlands) Gigante A. (Italy)</i>	46

FRIDAY, 16 MAY 2014

07:30 - 08:55

Room	Title	Chair	see page
FORUM	ICL 07: Planning a primary TKA	<i>Perka C. (Germany), Montserrat F. (Spain)</i>	83
E 104-107	ICL 08: Shoulder pathology in sports	<i>Funk L. (United Kingdom), Poberaj B. (Slovenia)</i>	86
AUDITORIUM	ICL 09: How to address multi-ligament injuries?	<i>Marx R. (USA), Adravanti P. (Italy)</i>	80
G 104-105	ICL 10: 3D anatomy vs. arthroscopy vs. navigation	<i>Zaffagnini S. (Italy), Golano P. (USA), Camillieri G. (Italy)</i>	93
G 106-107	ICL 11: Subchondral bone and reason for surgery	<i>Madry H. (Germany), Goyal D. (India)</i>	96
EMERALD	ICL 12: Arthroscopic simulation in skills training: European initiatives	<i>Tuijthof Gabrielle (Nether- lands), Karahan M. (Turkey)</i>	100

SATURDAY, 17 MAY 2014

07:30 - 08:55

Room	Title	Chair	see page
FORUM	ICL 13: Medial patello femoral ligament reconstructions	<i>Koeter S. (Netherlands), Fink C. (Austria)</i>	108
E 104-107	ICL 14: Management of failed traumatic anterior instability repair	<i>Charousset C. (France), Cartucho A. (Portugal)</i>	110
G 102-103	ICL 15: Hip arthroscopy (Part 1, basics): From access to repair in femoro acetabular impingement	<i>Bonin N. (France), Sadri H. (Switzerland)</i>	113
G 104-105	ICL 16: How to share guidelines in daily practice on: Meniscus repair, degenerate meniscal lesion, meniscectomy	<i>Beaufils P. (France), Englund M. (Sweden)</i>	116
G 106-107	ICL 17: Acute muscle injury	<i>Servien Elvire (France), Kerkhoffs G. (Netherlands)</i>	118
EMERALD	ICL 18: How to do proper research	<i>Musahl V. (USA), Samuelsson K. (Sweden)</i>	120

TIMETABLE

WEDNESDAY, 14 MAY 2014

Time	Auditorium	Forum	E 104-107
8.00			
8.15	Opening ceremony		
8.30	Highlight lecture by Andrew Amis		
8.45			
9.00	Highlight lecture by Michael Kjaer		
9.15			
9.30	Highlight lecture by Masahiro Kurosaka		
9.45			
10.00	Coffee break	Visit industrial exhibition	Coffee break
10.15			
10.30	Education in Europe		
10.45		Live surgical demonstration (AFAS)	
11.00	The different aspects of an anatomical ACL reconstruction		Meniscus I
11.15		The use of arthroscopy to treat ...	
11.30		Sports recovery after ankle injuries	
11.45			
12.00	Lunch Break		Lunch Break
12.15			
12.30			
12.45	12:30 - 13:30	Lunch Workshops Details see page 194 - 202	Lunch Workshops
13.00			
13.15			
13.30	Lunch Break		Lunch Break
13.45			
14.00	Global perspectives on ACL injuries, evaluation, and treatment [?]	Foot, ankle & tendon	SLARD Symposium: What is new in SLARD?
14.15			
14.30			
14.45			
15.00			APKASS Symposium: Emerging technology for cartilage repair in Asia-Pacific region
15.10			
15.15			
15.30	Coffee break	Visit industrial exhibition	Coffee break
15.45			
16.00	SPAT & SPOT Symposium: ACL fixation methods	Acute and chronic syndesmotic injury: A solution for everything	ISAKOS Symposium: Football lesions update
16.15			
16.30			
16.45			Ligament II
17.00		Debate (Dutch): Achilles tendon rupture – Follow the guidelines or just treat the patient? [?]	
17.15	EFOST Symposium: Graft choice according to the type of sport	Case discussion (AFAS): Joint preserving surgery in osteoarthritic ankle joint [?]	AOSSM Symposium: Acute injuries in athletes: A case based debate on treatment and return to play
17.30			
17.45			
18.00	Travelling fellows presentation		
18.15			
18.30			
18.45			
19.00			
19.15			
19.30			
19.45			
20.00			

Award	Free papers	Live surgical demonstration	PT programme
Break	Instructional course lecture	National symposia	Resident programme FORTE
Case discussion	Invited lecture	Orthopaedic Sports Medicine Review	Other sessions
Debate	Keynote lecture	Posters	Symposia

?
Voting

G 102-103	G 104-105	G 106-107	Emerald	Time	
				8.00	
				8.15	
				8.30	
				8.45	
				9.00	
				9.15	
				9.30	
				9.45	
Coffee break		Visit industrial exhibition	Coffee break	10.00	
				10.15	
ISAKOS-UEC/ESSKA-ESA – Shoulder stiffness: Current concepts and concerns	Ligament I	NVA Symposium: Age and handicap in sports performance	PT symposium: Tendon injuries	10.30	
				10.45	
		EKA IV		11.00	
				11.15	
Debate (ESA): Irreparable rotator cuff tear [?]		11.30			
		11.45			
Lunch Break		Lunch Break		12.00	
				12.15	
Lunch Workshops	KSSTA Review Course	Lunch Workshops Details see page 194 - 202	12:30 - 13:30	12.30	
				12.45	
				13.00	
				13.15	
Lunch Break		Lunch Break		13.30	
				13.45	
AC joint controversies	The pivot shift: Pros and cons of different quantitative devices and laxity types	How to improve muscle healing	PT symposium: Hip and groin injuries	14.00	
		Ligament healing: State of the art		14.15	
Shoulder VI (rotator cuff)	Ligament VI			PT keynote lecture by Robert van Cingel	14.30
					14.45
			15.00		
			15.10		
			15.15		
Coffee break		Visit industrial exhibition	Coffee break	15.30	
				15.45	
Shoulder I (rotator cuff)	Musculoskeletal allograft in Europe	EAE & TUSYAD symposium: PCL – current trends?	PT symposium: Knee injuries	16.00	
				16.15	
				16.30	
Elbow instability	Degenerative knee	PCL – PLC		16.45	
				17.00	
	Cartilage II			17.15	
				17.30	
					17.45
			18.00		
Poster Happy Hour I with Welcome Reception (Forum Lounge, Ruby Lounge, Onyx Lounge)				18.15	
				18.30	
				18.45	
				19.00	
				19.15	
				19.30	
			19.45		
			20:00		

TIMETABLE

THURSDAY, 15 MAY 2014

Time	Auditorium	Forum	E 104-107
7:30	ICL 06: Cartilage lesion and the patello-femoral joint	ICL 01: Anatomy of the ACL and reconstruction [?]	ICL 03: Tips and tricks in UKA
7:45			
8.00			
8.15			
8.30			
8.45			
9.00	Presidential lecture by Joao Espregueira-Mendes		
9.15			
9.30	Highlight lecture by Johan Bellemans		
9.45			
10.00	Coffee break	Visit industrial exhibition	Coffee break
10.15			
10.30	Star Paper Session	Shoulder II (instability)	Fast-track surgery in TKA, how to start [?]
10.45			
11.00		Massive rotator cuff treatment options, multicentric study	
11.15			
11.30			
11.45			
12.00	Lunch Break		
12.15	Lunch Break		
12.30	12:30 - 13:30 Lunch Workshops Details see page 194 - 202 Lunch Workshops		
12.45			
13.00			
13.15			
13.30	Lunch Break		
13.45	Lunch Break		
14.00	„Close to clinics”: Tissue engineering ...	Imaging of rotator cuff – what surgeons ...	Controversies in primary TKA
14.15	Case discussion (Articular Cartilage Committee): Cartilage imaging – radiological and clinical importance (combined with ICRS) [?]	How to treat rotator cuff re-tears	
14.30		Updates in biceps pathology and treatments	
14.45			
15.00			
15.15	Basic science III		
15.30	ESSKA General Assembly	Coffee break	
15.45		Visit industrial exhibition	Coffee break
16.00			
16.15			
16.30			
16.45	Cartilage lesions during ACL reconstruction: to treat or not to treat?	Live surgical demonstration (ESA)	ESSKA-EKA: Failure analysis in TKA
17.00	The infected ACL reconstructed knee	Crash and nightmare in shoulder arthroscopy	
17.15		Case discussion (ESA): Rotator cuff [?]	
17.30			
17.45			
18.00			EKA III (Infection)
18.15			
18.30	Poster Happy Hour (Forum Lounge, Ruby Lounge, Onyx Lounge)		EKA General Assembly
18.45			
19.00			
19.15			
19.30			

Award	Free papers	Live surgical demonstration	PT programme
Break	Instructional course lecture	National symposia	Resident programme FORTE
Case discussion	Invited lecture	Orthopaedic Sports Medicine Review	Other sessions
Debate	Keynote lecture	Posters	Symposia

☐ Voting

G 102-103	G 104-105	G 106-107	Emerald	Time
ICL 02: Elbow arthroscopy: From basic to advance	ICL 04: Achilles tendon rupture treatment: still a weak spot?	ICL 05: Shoulder osteoarthritis in the young and current treatments		7:30
				7:45
				8.00
				8.15
				8.30
				8.45
			PT Workshop: Neuromuscular electrical stimulation (NMES) Knee	9.00
				9.15
				9.30
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
Xenografts in orthopaedics: the future ...	Meniscus II	Pelvis/groin & hip	What is necessary to be a good ...	10.30
Ligament IV			Sport specific injuries	10.45
Minimal invasive approach ...				11.00
				11.15
Ligament V	Basic science I	Multiligament	Return to play	11.30
				11.45
Lunch Break		Lunch Break		12.00
				12.15
12:30 - 13:30 Lunch Workshops Details see page 194 - 202 Lunch Workshops				12.30
				12.45
				13.00
				13.15
Lunch Break		Lunch Break		13.30
				13.45
Primary talar OCD: What is new?	The history of trochlea dysplasia ...		PT symposium: Shoulder injuries	14.00
	Patellofemoral II			14.15
				14.30
				14.45
				15.00
		15.15		
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
				16.00
				16.15
Injury prevention	Pitfalls in arthroscopic knee surgery – how to avoid & what to do?	FAA & NAF Symposium: Different technique of ACL reconstruction (SB, DB, AM, tran tibial, all inside) techniques and results	PT symposium: Return to sport	16.30
Ankle osteoarthritis and sports		THE ACL laxity evaluation: How to score your patient?		Indications and technique for osteotomy of the knee
	17.00			
	17.15			
	17.30			
				17.45
			18.00	
			18.15	
Poster Happy Hour (Forum Lounge, Ruby Lounge, Onyx Lounge)				18.30
				18.45
				19.00
				19.15
				19.30

TIMETABLE

FRIDAY, 16 MAY 2014

Time	Auditorium	Forum	E 104-107	G 102-103			
7:30	ICL 09: How to address multi-ligament injuries?	ICL 07: Planning a primary TKA	ICL 08: Shoulder pathology in sports [?]				
7:45							
8.00							
8.15							
8.30							
8.45							
9.00	Ejnar Eriksson lecture by Rene Verdonk						
9.15							
9.30	Social lecture by Bibian Mentel						
9.45							
10.00	Coffee break Visit industrial exhibition Coffee break						
10.15							
10.30	Return to sport following knee surgery (meniscus, cartilage, ligaments, osteotomy and prosthesis) orthopaedic and PT view – does it match? [?]	Osteotomy versus UNI	Shoulder arthroplasty	Patellofemoral pain: A global approach			
10.45		Live surgical demonstration (EKA)					
11.00							
11.15							
11.30			Shoulder IV (Instability)	Patellofemoral I			
11.45							
12.00	Lunch Break Lunch Break						
12.15							
12.30	12:30 - 13:30 Lunch Workshops Details see page 194 - 202 Lunch Workshops						
12.45							
13.00							
13.15							
13.30	Lunch Break Lunch Break						
13.45							
14.00		Live surgical demonstration (ESSKA): ACL	Patellofemoral III	Meniscus III			
14.15							
14.30	Diagnosis and treatment of the dislocated knee	EKA I	Case discussion (ESA): AC-Joint [?]	Ligament III			
14.45							
15.00							
15.15							
15.30	Coffee break Visit industrial exhibition Coffee break						
15.45							
16.00	Extra articular tenodesis (all different techniques in extra articular tenodesis)	Case discussion (EKA): Learning from our mistakes in UKA and TKA [?]	Shoulder III (Mixed)	ASTAOR & UASTKA Symposium: RC tear, from partial to massive – arthroscopical approach			
16.15			Shoulder V				
16.30							
16.45							
17.00							
17.15							
17.30							
17.45							
18.00							

Award	Free papers	Live surgical demonstration	PT programme
Break	Instructional course lecture	National symposia	Resident programme FORTE
Case discussion	Invited lecture	Orthopaedic Sports Medicine Review	Other sessions
Debate	Keynote lecture	Posters	Symposia

?
Voting

G 104-105	G 106-107	Emerald	E 102	Time	
ICL 10: 3D anatomy vs. arthroscopy vs. navigation	ICL 11: Subchondral bone and reason for surgery	ICL 12: Arthroscopic simulation in skills training: European initiatives	OSR I Upper limb and head injury	7:30	
				7:45	
				8.00	
				8.15	
				8.30	
				8.45	
				9.00	
				9.15	
		PT Workshop: Neuromuscular electrical stimulation (NMES) Shoulder		9.30	
				9.45	
Coffee break	Visit industrial exhibition		Coffee break	OSR II Lower limb and spine	10.00
					10.15
Long term F. U. complex ligament ...	BASK Symposium: Specialist knee training in the UK	PT symposium: children and sport	10.30		
SIGASCOT & SIA Symposium: How to treat cartilage lesion of shoulder, elbow, hip, knee and ankle			10.45		
			11.00		
			11.15		
Future of biomaterials	Basic science II		11.30		
			11.45		
Lunch Break				12.00	
Lunch Break				12.15	
12:30 - 13:30 Lunch Workshops Details see page 194-202 Lunch Workshops				12.30	
				12.45	
				13.00	
				13.15	
				13.30	
Lunch Break		Lunch Break		13.45	
ACL		PT Keynote lecture by Lynn Snyder-Mackler	OSR III Upper limb	14.00	
				14.15	
The role of stem cells and surgery in cartilage defects (combined with ICRS)	Meniscal transplants: Questions and answers	FORTE resident programme: Ankle		14.30	
				14.45	
				15.00	
				15.15	
Coffee break	Visit industrial exhibition	Coffee break		OSR IV Lower limb	15.30
					15.45
SEROD & AEA Symposium: Non metal treatment of early osteoarthritis	Treatment of knee-injuries in kids and adolescents	FORTE resident programme: Knee	16.00		
			16.15		
			16.30		
			16.45		
			17.00		
			17.15		
			17.30		
			17.45		
			18.00		

TIMETABLE

SATURDAY, 17 MAY 2014

Time	Auditorium	Forum	E 104-107	G 102-103
7:30		ICL 13: Medial patello femoral ligament reconstructions [?]	ICL 14: Management of failed traumatic anterior instability repair	ICL 15: Hip arthroscopy (Part 1, basics): From access to repair in femoro acetabular impingement
7:45				
8.00				
8.15				
8.30				
8.45				
9.00	ESSKA's Awards presentation			
9.15				
9.30				
9.45	Highlight lecture by Rui Reis			
10.00				
10.15	Presentation: ESSKA 2016 in Barcelona			
10.30	Coffee break Visit industrial exhibition Coffee break			
10.45				
11.00	Advances in biology and mechanics of rotator cuff tears	Patellofemoral instability: A surgical approach	Hip arthroscopy part 2 (Advanced): Snapping hips and peri-articular pathologies [?]	ESSKA guidelines for PRP use
11.15				
11.30				
11.45				
12.00	SFA Symposium: Partial ACL tears	Osteoarthritis – from basic science to molecular therapy	PTTS & BOTA Symposium: Soft tissue endoscopy	Cartilage III
12.15				
12.30				
12.45				
13.00				

Award	Free papers	Live surgical demonstration	PT programme
Break	Instructional course lecture	National symposia	Resident programme FORTE
Case discussion	Invited lecture	Orthopaedic Sports Medicine Review	Other sessions
Debate	Keynote lecture	Posters	Symposia

☐ Voting

G 104-105	G 106-107	Emerald	E 102	E103	G109	Time
ICL 16: How to share guidelines in daily practice on: Meniscus repair, degenerate meniscal lesion, meniscectomy	ICL 17: Acute muscle injury	ICL 18: How to do proper research				7:30
						7:45
			PT Workshop I: Functional performance tests for the lower extremity	PT Workshop II: Functional performance tests for the upper extremity	PT Workshop III: Hamstring injuries	8.00
						8.15
						8.30
						8.45
						9.00
						9.15
						9.30
						9.45
			10.00			
			10.15			
Coffee break	Visit industrial exhibition	Coffee break	PT Workshop IV: Core stability	PT Workshop V: Gait analysis		10.30
					10.45	
GOTS & Croatian society for sports medicine & SAT & SFTS Symposium: Muscle Injuries: what is new, what is true ...	Muscle tendon	National Society Award Winner Session				11.00
						11.15
						11.30
						11.45
ACL registry symposium (Norway, Denmark, Sweden)	Injury in female soccer player					12.00
						12.15
				12.30		
				12.45		
						13.00

Timetables

Wednesday

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Saturday

Posters

ROOM: AUDITORIUM

08:30 - 09:00 **Highlight lecture**

Moderation: Zaffagnini S. (Italy)

08:30 - 09:00 How biomechanics can improve orthopaedic clinical practice

IL11-9001

Amis A. (United Kingdom)

30'

09:00 - 09:30 **Highlight lecture**

Moderation: Kerkhoffs G. (Netherlands)

09:00 - 09:30 Tendinopathy: Where are we? From lab to treatment

IL12-9003

Kjaer M. (Denmark)

30'

09:30 - 10:00 **Highlight lecture**

Moderation: Espregueira-Mendes J. (Portugal)

09:30 - 10:00 ACL surgery of the next 10 years, how it will be

IL13-9004

Kurosaka M. (Japan)

30'

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

10:30 - 10:45 **Keynote lecture**

Moderation: Karlsson J. (Sweden)

10:30 - 10:45 Education in Europe

KN23-9055

Randelli P. (Italy)

15'

10:45 - 12:00 **The different aspects of an anatomical ACL reconstruction**

Moderation: Georgoulis A. (Greece), Ochi M. (Japan)

10:45 - 10:57 The shape of the ACL and its relation to common grafts

SY32-5033

Georgoulis A. (Greece)

12'

10:57 - 11:09 Augmentation of the ACL for a better anatomical reconstruction

SY32-5034

Ochi M. (Japan)

12'

11:09 - 11:21 How to prepare proper tunnels to mimic the normal ACL with grafts

SY32-5035

Shino K. (Japan)

12'

ROOM: AUDITORIUM**The different aspects of an anatomical ACL reconstruction***continued*

11:21 - 11:33	Clinical aspects of an anatomical ACL reconstruction in athletes SY32-5036 Williams A. (United Kingdom)	12'
11:33 - 11:45	Anatomical ACL Reconstruction with B-PT-B Transplant in Press-Fit-Technique SY32-9082 Bernard M. (Germany)	12'
11:45 - 12:00	Discussion	

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:30 **Global perspectives on ACL injuries, evaluation, and treatment**

Moderation: Fu F. (USA), Karlsson J. (Sweden)

14:00 - 14:10	Global perspectives: A decade of progress in ACL reconstruction SY26-9087 Middleton Kellie (USA)	10'
14:10 - 14:20	Concepts and anatomy of the ACL: From the fetus and beyond SY26-5096 Fu F. (USA)	10'
14:20 - 14:30	Looking at the ACL in nature: Comparative anatomy and its importance SY26-5097 van Der Merwe W. (South Africa)	10'
14:30 - 14:40	Outcomes and methods of evaluation of ACL reconstruction – are we too subjective? SY26-5098 Karlsson J. (Sweden)	10'
14:40 - 14:50	Are we returning to sports too early after ACL reconstruction? SY26-5099 Feller J. (Australia)	10'
14:50 - 15:00	Remnants, stem cells and healing: hope or hype? SY26-6000 Kurosaka M. (Japan)	10'
15:00 - 15:10	ACL reconstruction is overrated: Have we forgotten about extra-articular? SY26-6001 Neyret P. (France)	10'
15:10 - 15:30	Discussion	

Timetables

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Posters

ROOM: AUDITORIUM

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

16:00 - 17:00 **SPAT & SPOT Symposium: ACL fixation methods**

Moderation: Castro A. (Portugal), Amaral L. (Portugal)

16:00 - 16:10 Biomechanical properties of fixation methods

NSY13-5087 *Fonseca F. (Portugal)*

10'

16:10 - 16:20 Biological integration of the graft

NSY13-5088 *Silva A. (Portugal)*

10'

16:20 - 16:30 Metalical versus biological (biodegradebal) fixation

NSY13-5089 *Pereira H. (Portugal)*

10'

16:30 - 16:40 Fixation tendon – bone

NSY13-5090 *Varatojo R. (Portugal)*

10'

16:40 - 16:50 BTB graft fixation

NSY13-5091 *Gamelas J. (Portugal)*

10'

16:50 - 17:00 Discussion

ROOM: AUDITORIUM			
17:00 - 18:00	EFOST Symposium: Graft choice according to the type of sport <i>Moderation: Klos B. (Netherlands), Djan P. (France)</i>		
17:00 - 17:05	Introduction by the President of EFOST SY40-7096 Maffulli N. (United Kingdom)	5'	
17:05 - 17:13	Graft selection in high levels soccer players SY40-5063 Williams A. (United Kingdom)	8'	
17:13 - 17:21	Patella tendon in high impact sports SY40-5064 Canata G. (Italy)	8'	
17:21 - 17:29	Graft selection in female team sports SY40-5065 Engebretsen L. (Norway)	8'	
17:29 - 17:37	Are hamstrings a suitable graft for ACL reconstruction in football players? SY40-5066 Ferretti A. (Italy)	8'	
17:37 - 17:45	Graft selection in skiing SY40-5067 Felmet G. (Germany)	8'	
17:45 - 18:00	Discussion		
18:00 - 18:15	Travelling fellows presentation <i>Moderation: Randelli P. (Italy)</i>		
18:15 - 19:45	Poster Happy Hour I with Welcome Reception Forum Lounge, Ruby Lounge, Onyx Lounge		

Timetables

Wednesday

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Saturday

Posters

ROOM: FORUM

10:30 - 11:30 **Live surgical demonstration (AFAS)**

Moderation: Kerkhoffs G. (Netherlands)

10:30 - 11:30 Hindfoot endoscopy, Os trigonum, retrograde drilling OCD, endoscopic groove deepening, subtalar arthrodesis

LS11-9022 Surgeon: van Dijk C. (Netherlands)

60'

11:30 - 11:45 **Keynote lecture**

Moderation: Calder J. (United Kingdom)

11:30 - 11:45 The use of arthroscopy to treat articular fracture of the lower extremity

KN25-6084 Doral M. (Lebanon)

15'

11:45 - 12:00 **Keynote lecture**

Moderation: Kerkhoffs G. (Netherlands)

11:45 - 12:00 Sports recovery after ankle injuries

KN24-9056 Della Villa S. (Italy)

15'

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:30 **Free papers: Foot, ankle & tendon**

Moderation: Laver L. (Isle of Man), Lijoi F. (Italy)

14:00 - 14:05 Clinical outcome and complications in endoscopic surgery for plantar fasciitis using deep fascial approach

FP02-1983 Inui T. (Japan), Yasui Y., Takao M., Miki S., Sasahara J., Miyamoto W., Innami K., Matsushita T.

5'

14:05 - 14:10 Non-operative, dynamic treatment of acute achilles tendon rupture: The influence of early weight-bearing on clinical outcome. A blinded, randomized, controlled trial

FP02-1164 Barfod K. (Denmark), Bencke J., Bloch Lauridsen Hanne, Ban I., Ebskov L., Troelsen A.

5'

14:10 - 14:15 Treatment of apofysitis calcanei: A therapeutic randomized clinical trial

FP02-1694 Wiegerinck J. (Netherlands), Zwiers R., Vierhout R., Sierevelt Inger, van Dijk C., Struijs P.

5'

ROOM: FORUM				
	Free papers: Foot, ankle & tendon <i>continued</i>			
14:15 - 14:20	Autologous osteochondral transplantation for osteochondral lesions of the talus: Midterm functional and magnetic resonance imaging outcomes with T2 mapping	FP02-1984 Flynn S. (USA), Ross K., Hannon C., Newman H., Deyer T., Do Huong, Mintz D., Kennedy J.	5'	Timetables
14:20 - 14:40	Discussion			
14:40 - 14:45	Kinematic and contact pressure changes in the ankle joint with syndesmosis injury: A cadaveric study	FP02-1549 Hunt K. (USA), Goeb Y., Behn A., Yang A., Chou Loretta	5'	
14:45 - 14:50	Superficial medial collateral ligament anatomic augmented repair versus anatomic reconstruction: An in vitro biomechanical analysis	FP02-1138 Goldsmith Mary (USA), Wijdicks C., Michalski M., Rasmussen M., Kennedy N., Lind M., Engebretsen L., LaPrade R.	5'	Wednesday
14:50 - 14:55	Outcomes of a modified Brostrom technique followed by immediate post-operative weight bearing and early rehabilitation for the treatment of ankle instability	FP02-2173 Petrera M. (Canada), Dwyer T., Theodoropoulos J., Ogilvie-Harris D.	5'	Thursday
14:55 - 15:00	Lateral tibial osteotomy for accessing lateral osteochondral lesions of the talus in autologous osteochondral transplantation: Functional, radiographic, and T2 MRI analysis	FP02-1903 Gianakos Arianna (USA), Newman H., Ross K., Hannon C., Deyer T., Egan C., Kennedy J.	5'	Friday
15:00 - 15:05	Validation of a novel ultrasound measurement of achilles tendon length and elongation	FP02-1204 Barfod K. (Denmark), Falk Riecke Anja, Boesen A., Hansen P., Friedrich Maier J., Døssing S., Troelsen A.	5'	
15:05 - 15:30	Discussion			
15:30 - 16:00	Coffee break, visit industrial & E-poster exhibition			Saturday

ROOM: FORUM

16:00 - 17:00 **Acute and chronic syndesmotic injury: a solution for everything**

Moderation: van Dijk C. (Netherlands), Kynsburg A. (Austria)

16:00 - 16:12 Diagnosis of syndesmotic injury:
Delayed physical examination vs. US vs. MR

SY14-4058 *Kerkhoffs G. (Netherlands)*

12'

16:12 - 16:24 The key elements of conservative treatment of acute syndesmotic injury

SY14-4059 *Calder J. (United Kingdom)*

12'

16:24 - 16:36 Acute syndesmotic injury in the athlete: indication for operative treatment?

SY14-4060 *Longo U. (Italy)*

12'

16:36 - 16:48 Operative options for treatment of chronic syndesmotic injury

SY14-4061 *van Dijk C. (Netherlands)*

12'

16:48 - 17:00 Discussion

17:00 - 17:30 **Debate (Dutch): Achilles tendon rupture – Follow the guidelines or just treat the patient?** [?]

Moderation: Diercks R. (Netherlands)

Panel: Meuffels D. (Netherlands), van Dijk C. (Netherlands)

17:30 - 18:00 **Case discussion (AFAS):
Joint preserving surgery in osteoarthritic ankle joint** [?]

Moderation: Haverkamp D. (Netherlands), Spennacchio P. (Italy)

17:30 - 17:37 Case I

CD11-9142 *Longo U. (Italy)*

7'

17:37 - 17:44 Case II

CD11-9143 *Haverkamp D. (Netherlands)*

7'

17:44 - 17:51 Case III

CD11-9144 *Knupp M. (Switzerland)*

7'

17:51 - 17:58 Case IV

CD11-9145 *Spennacchio P. (Italy)*

7'

18:15 - 19:45 **Poster Happy Hour I with Welcome Reception
Forum Lounge, Ruby Lounge, Onyx Lounge**

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ROOM: E 104-107

10:30 - 12:00 **Free papers: Meniscus I**

Moderation: Kopf S. (Germany), Rodkey W. (USA)

10:30 - 10:35 Long-term subjective, clinical and radiographic outcome evaluation of isolated meniscal allograft transplantation in the knee
FP03-1317 Vundelinckx B. (Belgium), Vanlauwe J., Bellemans J. 5'

10:35 - 10:40 Positioning of medial and lateral meniscus as a basis for meniscal allograft transplantation
FP03-1141 Lee Y. (South Korea (ROK)), Oh W., Lee B. 5'

10:40 - 10:45 In-vivo evaluation of the kinematics of an artificial medial meniscus implant: a pilot study using open-MRI
FP03-1409 Elsner J. (Israel), de Coninck Tineke, Linder-Ganz E., Cromheecke M., Shemesh M., Huyse W., Verdonk R., Verdonk P. 5'

10:45 - 10:50 Human mesenchymal stem cell augmentation of scaffold-meniscus integration
FP03-2418 Moran C. (USA), Hutchinson I., Chen T., Barry F., Warren R., Suzanne M. 5'

10:50 - 11:00 Discussion

11:00 - 11:05 Arthroscopic meniscal allograft transplantation in male professional soccer players
FP03-1505 Marcheggiani Muccioli G. (Italy), Zaffagnini S., Grassi A., Bonanzinga T., Nitri M., Marcacci M. 5'

11:05 - 11:10 Assessment of age distribution of osteochondritis dissecans coincident with discoid lateral meniscus and relationship between osteochondritis dissecans and shape of discoid lateral meniscus in children
FP03-1675 Takigami J. (Japan), Hashimoto Y., Yamasaki S., Terai S., Tomihara T., Nakamura H. 5'

11:10 - 11:15 Survival analysis of meniscus allograft transplantation: Two hundred and seventeen cases
FP03-2434 Verdonk P. (Belgium), HERREGODS S., de kok a., moran c., Verdonk R. 5'

11:15 - 11:20 Serial assessment of clinical and radiological outcomes after meniscus allograft transplantation with minimum 4-year-follow up
FP03-1373 Kim J. (South Korea (ROK)), Ha J. 5'

11:20 - 11:30 Discussion

ROOM: E 104-107**Free papers: Meniscus I***continued*

11:30 - 11:35	Scaffold-free tissue-engineered adipose-derived stem cells promote meniscus regeneration <i>FP03-1980 Toratani T. (Japan), Nakase J., Kosaka M., Ohashi Y., Numata H., Tsuchiya H., Nakayama K.</i>	5'
11:35 - 11:40	Save the meniscus. Collagen matrix-based meniscus repair study <i>FP03-2196 Piontek T. (Poland), Ciemniowska-Gorzela Kinga, Szulc A., Naczek J., Slomczykowski M., Jakob R.</i>	5'
11:40 - 11:45	Clinical results of polyurethane scaffold in lateral meniscus segmental defects <i>FP03-1194 Beufls P. (France), Bouyarmane H.</i>	5'
11:45 - 11:50	Meniscal scaffold: Real substitutes of native meniscus? <i>FP03-1481 Bulgheroni Erica (Italy), Bulgheroni P., Cherubino P.</i>	5'
11:50 - 12:00	Discussion	

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:45 **SLARD Symposium: What is new in SLARD?**

Moderation: Cardona Muñoz J. (Mexico), Slullitel D. (Argentina), Seil R. (Luxembourg)

14:00 - 14:10	Key points in suprapectoral tenodesis <i>SY37-6093 Arce G. (Argentina)</i>	10'
14:10 - 14:20	PCL vision 2014 <i>SY37-6094 Maestu R. (Argentina)</i>	10'
14:20 - 14:30	Arthroscopic allografts for voluntary dislocators <i>SY37-6095 Slullitel D. (Argentina)</i>	10'
14:30 - 14:40	Arthroscopic patelloplasty and resurfacing in patellofemoral OA <i>SY37-6096 Cardona Muñoz J. (Mexico)</i>	10'
14:40 - 14:45	Discussion	

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Posters

ROOM: E 104-107

14:45 - 15:30 **APKASS Symposium: Emerging technology for cartilage repair in Asia-Pacific region**

Moderation: Ochi M. (Japan), Menetrey J. (Switzerland)

14:45 - 14:50	Introduction	
SY39-8041	Ochi M. (Japan)	5'

14:50 - 15:00	Cartilage repair using magnet	
SY39-8039	Ochi M. (Japan)	10'

15:00 - 15:10	Autologous human mesenchymal stem cells for cartilage repair: From bench to bedside	
SY39-8040	Hui H. (Singapore)	10'

15:10 - 15:20	Undressing the bone marrow stimulation technique; the evidence behind regenerating articular cartilage	
SY39-8042	Min B. (South Korea (ROK))	10'

15:20 - 15:30	Discussion
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15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

16:00 - 16:45 **ISAKOS Symposium: Football lesions update**

Moderation: Cohen M. (Brazil), Espregueira-Mendes J. (Portugal)

16:00 - 16:08	ACL and MCL association lesion in football players	
SY38-8028	Cohen M. (Brazil)	8'

16:08 - 16:16	The importance of meniscus biology and biomechanics in repair and replacement	
SY38-8029	Espregueira-Mendes J. (Portugal)	8'

16:16 - 16:24	Cartilage lesions in footballer knees in 2013	
SY38-8030	Neyret P. (France)	8'

16:24 - 16:32	Comprehensive management of injured soccer player	
SY38-8031	Della Villa S. (Italy)	8'

16:32 - 16:45	Case Discussion	
SY38-8032	Cohen M. (Brazil)	13'

ROOM: E 104-107**16:45 - 17:15 Free papers: Ligament II***Moderation: van Eck Carola (USA), Harner C. (USA)*

16:45 - 16:50 Return to sport: A misleading outcome measure for successful recovery of knee function after ACL reconstruction?
FP06-2268 Eitzen Ingrid (Norway), Grindem Hege, Moksnes H., Risberg May Arna 5'

16:50 - 16:55 Health-related quality of life following anterior cruciate ligament reconstruction: A systematic review
FP06-1133 Filbay Stephanie (Australia), Ackerman Ilana, Russell T., Macri Erin, Crossley Kay 5'

16:55 - 17:00 Prediction of return to preinjury sports following ACL reconstruction
FP06-2111 Muller B. (Netherlands), Lynch A., Yabroudi M., Tarabachi M., Harner C., van Dijk C., Fu F., Irrgang J. 5'

17:00 - 17:05 Return to sport outcomes 3-7 years after revision ACL reconstruction surgery
FP06-1324 Anand B. (United Kingdom), Webster Kate, Richmond Anneka, Whitehead T., Norsworthy C., Feller J. 5'

17:05 - 17:15 Discussion

**17:15 - 18:00 AOSSM Symposium: Acute injuries in athletes:
A case based debate on treatment and return to play***Moderation: Denti M. (Italy), Hannafin Jo A. (USA)*

17:15 - 17:30 Case I: Shoulder – Acute grade III AC Joint separation
SY41-8007 Musahl V. (USA), Randelli P. (Italy) 15'

17:30 - 17:45 Case II: Knee – Acute Grade III ACL, Grade II-III PCL, Grade III lateral corner (LCL, pop, biceps, ITB), patellar tendon rupture and peroneal nerve injury
SY41-8006 Fink C. (Austria), Harner C. (USA) 15'

17:45 - 18:00 Case III: Foot and ankle – Acute grade II-III syndesmosis injury
SY41-8005 Amendola N. (USA), van Dijk C. (Netherlands) 15'

**18:15 - 19:45 Poster Happy Hour I with Welcome Reception
Forum Lounge, Ruby Lounge, Onyx Lounge**

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ROOM: G 102-103

10:30 - 11:30 **ISAKOS-UEC/ESSKA-ESA – Shoulder stiffness: Current concepts and concerns**

Moderation: Itoi E. (Japan), Poberaj B. (Slovenia)

10:30 - 10:36	Classification	
SY42-8004	Bain G. (Australia)	6'
10:36 - 10:42	Epidemiology	
SY42-7098	Cohen Carina (Brazil)	6'
10:42 - 10:48	Etiology	
SY42-7099	Imhoff A. (Germany)	6'
10:48 - 10:54	Imaging	
SY42-8000	Sugaya H. (Japan)	6'
10:54 - 11:00	Treatment – conservative	
SY42-8001	Vergara F. (Chile)	6'
11:00 - 11:06	Treatment – surgical	
SY42-8002	Funk L. (United Kingdom)	6'
11:06 - 11:13	Proposal of a therapeutic algorithm from ESA	
SY42-8003	Gleyze P. (France)	7'
11:13 - 11:20	Proposal of a therapeutic algorithm from UEC	
SY42-9045	Arce G. (Argentina)	7'
11:20 - 11:30	Discussion	

11:30 - 12:00 **Debate (ESA): Irreparable rotator cuff tear** ?

Moderation: Ludvigsen T. (Norway)

Panel: Randelli P. (Italy), Leuzinger J. (Switzerland), Toussaint B. (France), van der List M. (Netherlands), Senekovic V. (Slovenia)

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194-202)**

ROOM: G 102-103**14:00 - 15:00 AC joint controversies***Moderation: Bak K. (Denmark), Imhoff A. (Germany)*

14:00 - 14:10	Classification, clinical findings and decision making SY05-4044 Bak K. (Denmark)	10'
14:10 - 14:20	Open anatomical coracoclavicular ligament reconstruction SY05-4045 Mazzocca A. (USA)	10'
14:20 - 14:30	Arthroscopic techniques – technical pearls and clinical outcomes SY05-4046 Imhoff A. (Germany)	10'
14:30 - 14:40	Thoracoscaphular dyskinesia with high grade AC-joint instability SY05-4047 Beitzel K. (Germany)	10'
14:40 - 14:50	Complications of surgery and how to deal with them SY05-4048 Kovacic L. (Slovenia)	10'
14:50 - 15:00	Discussion	

15:00 - 15:30 Free papers: Shoulder VI (rotator cuff)*Moderation: Mikek M. (Slovenia), Eliyahu A. (Israel)*

15:00 - 15:05	The management of the long head of the biceps in rotator cuff repair: Prospective cohort study of high versus subpectoral tenodesis FP41-1491 Franceschi F. (Italy), Papalia R., Franceschetti E., Campi S., Palumbo A., Vasta S., Maffulli N., Denaro V.	5'
15:05 - 15:10	Large rotator cuff tears arthroscopically repaired with or without porcine dermal matrix augmentation: A two-years follow up study FP41-1463 Chillemi C. (Italy), Franceschini V., Ippolito G., Osimani M., Laghi A., Gigante A.	5'
15:10 - 15:15	Predisposing factors for early recurrence of tear following arthroscopic rotator cuff repair FP41-2266 Ahmad S. (Malaysia), Haber M.	5'
15:15 - 15:20	Biomechanical properties and suture placement relative to the musculotendinous junction for arthroscopic rotator cuff repair utilizing transosseous equivalent techniques FP41-1465 Bruce B. (USA), Hussey Kristen, Thomas Jacqueline, Cole B., Romeo A., Verma N.	5'
15:20 - 15:30	Discussion	

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Posters

ROOM: G 102-103

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

16:00 - 17:00 **Free papers: Shoulder I (rotator cuff)**

Moderation: Willems J. (Netherlands), Nebelung W. (Germany)

- | | | |
|---------------|--|----|
| 16:00 - 16:05 | The critical shoulder angle is predictive of rotator cuff tears and glenohumeral osteoarthritis and is more reproducible using radiographs compared to MRI scans
<i>FP04-1962</i> <i>Spiegel U. (Germany), Horan Marilee, Smith S., Ho C., Millett P.</i> | 5' |
| 16:05 - 16:10 | Arthroscopic repair of the rotator cuff: Prospective study of tendon healing after 70 years, about 145 patients
<i>FP04-1673</i> <i>Hardy P. (France), Flurin P., Boileau P., Deranlot J., Duport M., Godenèche A., Kany J., Valenti P.</i> | 5' |
| 16:10 - 16:15 | A prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: Minimum 2-year follow-up
<i>FP04-1464</i> <i>Abrams G. (USA), Hussey Kristen, Gupta A., Cole B., Romeo A., Verma N.</i> | 5' |
| 16:15 - 16:20 | Does the preoperative subscapularis fatty muscle infiltration really matter in anterosuperior rotator cuff tears? A prospective multicentric study
<i>FP04-1762</i> <i>Maqdes A. (France), Moraiti Constantina, Boughebri O., Valenti P.</i> | 5' |
| 16:20 - 16:30 | Discussion | |
| 16:30 - 16:35 | Comparative prospective study of arthroscopic repair of transfixing ruptures of rotator cuff with or without injection of autologous conditioned plasma
<i>FP04-1839</i> <i>Ferrand M. (France), Levy B., Klouche Shahnaz, Hardy P.</i> | 5' |
| 16:35 - 16:40 | Long-term follow-up of arthroscopic treatment of reparable rotator cuff tears
<i>FP04-1919</i> <i>de Carli A. (Italy), Ciompi A., Lanzetti R., Lupariello D., Pulcinelli F Maria, Ferretti A.</i> | 5' |

ROOM: G 102-103**Free papers: Shoulder I (rotator cuff)***continued*

16:40 - 16:45	Anatomic relationship between lateral impression of greater tuberosity of humerus and insertion of infraspinatus tendon <i>FP04-1367 Nimura A. (Japan), Nozaki T., Mochizuki T., Akita K.</i>	5'
16:45 - 16:50	Diagnostic value of MR imaging and clinical tests for detecting partial-thickness tears of the rotator cuff <i>FP04-2177 Brockmeyer M. (Germany), Diehl Nora, Schmitt Cornelia, Mosser P., Kohn D., Lorbach O.</i>	5'
16:50 - 17:00	Discussion	

17:00 - 18:00 Elbow instability
Moderation: Pederzini L. (Italy), Adamczyk G. (Poland)

17:00 - 17:05	Classification <i>SY09-5037 Pederzini L. (Italy)</i>	5'
17:05 - 17:15	Recurrent postero-lat instability <i>SY09-5038 Adamczyk G. (Poland)</i>	10'
17:15 - 17:25	Chronic medial instability <i>SY09-5039 Pederzini L. (Italy)</i>	10'
17:25 - 17:35	Complex fracture dislocation <i>SY09-5040 Eygendaal Denise (Netherlands)</i>	10'
17:35 - 17:45	Elbow dislocation <i>SY09-5041 Sevivas N. (Portugal), Espregueira-Mendes J. (Portugal)</i>	10'
17:45 - 17:55	Stabilization of chronic elbow dislocations <i>SY09-5062 Bain G. (Australia)</i>	10'
17:55 - 18:00	Discussion	

18:15 - 19:45 Poster Happy Hour I with Welcome Reception
Forum Lounge, Ruby Lounge, Onyx Lounge

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ROOM: G 104-105

10:30 - 12:00 **Free papers: Ligament I**

Moderation: Zantop T. (Germany), Pujol N. (France)

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|---------------|--|----|
| 10:30 - 10:35 | Early results after dynamic intraligamentary stabilisation in acute ACL injuries
<i>FP05-1769 Henle P. (Switzerland), Kohl S., Eggli S.</i> | 5' |
| 10:35 - 10:40 | Analysis of muscular properties after ACL reconstruction Bptb versus pedunculated hamstring-graft: An analysis of 111 patients
<i>FP05-1298 Mathieu N. (Switzerland), Baur C., Delamorclaz Simone, Fournier Sarah, Siegrist O., Blatter S., Hilfiker R.</i> | 5' |
| 10:40 - 10:45 | Progression of knee OA after anterior cruciate ligament reconstruction. A 20 year prospective follow-up study after ACL reconstruction
<i>FP05-1755 Risberg May Arna (Norway), Oiestad Britt Elin, Gunderson Ragnhild, Engebretsen L., Aune A., Fosdahl Merete, Culvenor A., Holm Inger</i> | 5' |
| 10:45 - 10:50 | Outcome of anatomical ACL reconstruction - single bundle quadriceps vs. double bundle hamstring tendon graft
<i>FP05-2142 Lee MC. (South Korea (ROK)), Lee S., Lee J., Chung K., Seong S.</i> | 5' |
| 10:50 - 11:00 | Discussion | |
| 11:00 - 11:05 | Changes in cross-sectional area of hamstring tendon graft after the triple bundle ACL reconstruction
<i>FP05-1768 Kinugasa K. (Japan), Hamada M., Yoneda K., Shino K.</i> | 5' |
| 11:05 - 11:10 | Increased risk of revision with hamstring graft compared to patellar graft after anterior cruciate ligament reconstruction: A study of 12 643 cases from the Norwegian cruciate ligament registry 2004-2012
<i>FP05-1167 Persson A. (Norway), Fjeldsgaard K., Jan-Erik G., Engebretsen L., Kjellsen A., Hole Randi, Fevang J.</i> | 5' |
| 11:10 - 11:15 | Long-term results of a prospective randomized study of single-bundle versus double-bundle anterior cruciate ligament reconstruction
<i>FP05-1206 Koga H. (Japan), Muneta T., Sekiya I.</i> | 5' |
| 11:15 - 11:25 | Discussion | |
| 11:25 - 11:30 | ACL-graft rupture in contact versus non-contact sports
<i>FP05-2273 Ekeland A. (Norway), Engebretsen L., Heir S.</i> | 5' |
| 11:30 - 11:35 | Does the timing of ACL surgery really influence the outcome?
<i>FP05-1582 Herbst E. (Germany), Hoser C., Gföller P., Hepperger Caroline, Fink C.</i> | 5' |

ROOM: G 104-105**Free papers: Ligament I***continued*

11:35 - 11:40	Relative risk of concurrent ACL and cartilage injury in patients with a BMI below and above 30 <i>FP05-2305 Strauss M. (Norway)</i>	5'
11:40 - 11:45	Differences in early results between acute and delayed ACL reconstruction. A randomized controlled trial <i>FP05-2203 Barenius B. (Sweden), Eriksson K.</i>	5'
11:45 - 11:50	Anatomic and non-anatomic double-bundle anterior cruciate ligament reconstruction. An in-vivo kinematic analysis <i>FP05-2371 Marcheggiani Muccioli G. (Italy), Signorelli Cecilia, Lopomo N., Grassi A., Bonanzinga T., Benzi A., Marcacci M., Zaffagnini S.</i>	5'
11:50 - 12:00	Discussion	

12:00 - 14:00 Lunch break & industry workshops (details see p. 194 - 202)**12:30 - 13:30 KSSTA Review Course (only with pre-registration)***Moderation: Karlsson J. (Sweden), Becker R. (Germany)*

12:30 - 13:30	To become a better writer and reviewer <i>ME12-9077 Musahl V. (USA), Zaffagnini S. (Italy), Kerkhoffs G. (Netherlands), Rosso C. (Switzerland), Siebold R. (Germany)</i>	60'
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ROOM: G 104-105

14:00 - 15:00 **The pivot shift: Pros and cons of different quantitative devices and laxity types**

Moderation: Zaffagnini S. (Italy), Hoshino Y. (Japan)

14:00 - 14:10 What is the PS?

SY21-4076 *Hoshino Y. (Japan)*

10'

14:10 - 14:20 Electromagnetic tracking of PS

SY21-4077 *Hoshino Y. (Japan)*

10'

14:20 - 14:30 Laxity patterns and RSA

SY21-4078 *Samuelsson K. (Sweden)*

10'

14:30 - 14:40 Image analysis of PS

SY21-4079 *Musahl V. (USA)*

10'

14:40 - 14:50 What is an accelerometer? How could this be useful in ACL deficient knee?

SY21-4080 *Zaffagnini S. (Italy)*

10'

14:50 - 15:00 Discussion

15:00 - 15:30 **Free papers: Ligament VI**

Moderation: Petersen W. (Germany), Engebretsen L. (Norway)

15:00 - 15:05 Biomechanical comparison of different fixation devices for medial collateral ligament repair – a cadaveric study

FP27-1730 *Omar M. (Germany), Petri M., Krettek C., Jagodzinski M., Ettinger M.*

5'

15:05 - 15:10 Effects of remnant tissue preservation on biomechanical and histological properties of the hamstring tendon autografts after anterior cruciate ligament reconstruction in sheep

FP27-1994 *Kondo E. (Japan), Takahashi T., Kawaguchi Y., Onodera Jun, Miyatake S., Iwasaki N., Yasuda K.*

5'

15:10 - 15:15 Clinical and radiological outcome of transphyseal anterior cruciate ligament (ACL) reconstruction performed in skeletally immature patients using four-strand hamstring graft

FP27-2456 *Gwinner C. (Germany), Lackner Theresa, Kopf S., Haas N., Weiler A., Jung T.*

5'

15:15 - 15:20 Transphyseal pediatric ACL reconstruction causes femoral growth disturbances. A clinical and radiographic study in 39 patients

FP27-1653 *Faunø P. (Denmark), Rømer Lone, Grønbech T., Lind M.*

5'

15:20 - 15:30 Discussion

ROOM: G 104-10515:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition****16:00 - 17:00 Musculoskeletal allograft in Europe***Moderation: Scheffler S. (Germany), Menetrey J. (Switzerland)*

16:00 - 16:15 Indications for allograft use in orthopaedic surgery

SY15-5092 *Menetrey J. (Switzerland)*

15'

16:15 - 16:30 Does the clinical outcome following ligamentous allografts justify their use as - "last option or primary graft choice?"

SY15-5093 *Zaffagnini S. (Italy)*

15'

16:30 - 16:45 Risks and complications associated with allograft use

SY15-5094 *Verdonk R. (Belgium)*

15'

16:45 - 17:00 "I would like to use an allograft" – Regulations and legal obligations in Europe

SY15-5095 *Scheffler S. (Germany)*

15'

17:00 - 17:30 Free papers: Degenerative knee*Moderation: Seil R. (Luxembourg), Montserrat F. (Spain)*

17:00 - 17:05 Better survival of valgus opening-wedge high tibial osteotomy: 10-year results of a RCT comparing closing-wedge and opening-wedge technique

FP01-1220 *Duivenvoorden T. (Netherlands), Brouwer R., Bos K., Reijman M., Bierma-Zeinstra Sita, Verhaar J.*

5'

17:05 - 17:10 Virtual 3D planning and patient specific guides for osteotomies around the knee: A proof of concept and feasibility study

FP01-2282 *Victor J. (Belgium), Premanathan Ayishwariya, Keppler L.*

5'

17:10 - 17:15 Superior clinical results after closed wedge high tibial osteotomy comparing to open wedge high tibial osteotomy in patients with medial knee osteoarthritis and varus leg alignment: 7.9 years follow-up of a randomized controlled trial

FP01-1390 *van Egmond Nienke (Netherlands)*

5'

17:15 - 17:20 The effect of posterolateral hinge direction on the increased posterior tibial slope in medial open wedge high tibial osteotomy

FP01-2016 *Wang J. (South Korea (ROK)), Moon S., Park S., Kim Min Jung, Chang M., Kim Ah Reum, Ahn J.*

5'

17:20 - 17:30 Discussion

Timetables

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ROOM: G 104-105

17:30 - 18:00 **Free papers: Cartilage II**

Moderation: Berruto M. (Italy), Vanlauwe J. (Belgium)

17:30 - 17:35 Using the one-leg standing radiograph to evaluate severity of osteoarthritic knee: A novel technique

FP26-1595 Pinsomsak P. (Thailand)

5'

17:35 - 17:40 Edema in matrix-assisted autologous chondrocyte transplantation: MRI Evaluation at different follow-up times

FP26-1706 Perdisa F. (Italy), Filardo G., Kon Elizaveta, Di Martino A., Tentoni F., Busacca M., Marcacci M.

5'

17:40 - 17:45 Evaluation of surrounding articular cartilage in 28 patients knees with a focal cartilage lesion of the knee: using MRI T2 mapping and delayed gadolinium enhanced MRI of cartilage (dGEMRIC)

FP26-1485 Aroen A. (Norway), Brøgger Helga, Røtterud J., Sivertsen E., Engebretsen L., Risberg May Arna

5'

17:45 - 17:50 MRI Characterization of arthroscopically verified ICRS cartilage defects compared to age matched asymptomatic controls: Evaluation of quantitative T2 mapping in clinically relevant subregions of the knee

FP26-1872 Ho C. (USA), Williams B., Surowiec Rachel, Dornan G., Gatlin C., LaPrade R.

5'

17:50 - 18:00 Discussion

18:15 - 19:45 **Poster Happy Hour I with Welcome Reception
Forum Lounge, Ruby Lounge, Onyx Lounge**

UNLAODER® ONE

Clinically proven to reduce pain and increase activity

One of the most common causes of knee pain is osteoarthritis, a disease that causes a gradual breakdown of the cartilage in the joints. The Unloader One is a safe and simple treatment for the symptoms associated with osteoarthritis of the knee. Unlike many other knee-pain treatment options, this innovative knee brace has been clinically proven to decrease knee pain, reduce the use of pain medication and improve knee function.



ROOM: G 106-107

10:30 - 11:30 **NVA Symposium: Age and handicap in sports performance**

Moderation: Diercks R. (Netherlands), Backx F. (Netherlands)

10:30 - 10:42 Knee and ankle osteoarthritis in former professional football players: prevalence and consequences

NSY21-5047 Gouttebarga V. (Netherlands)

12'

10:42 - 10:54 Does a CAM deformity in adolescent athletes lead to degenerative arthritis?

NSY21-5048 Heijlboer M. (Netherlands)

12'

10:54 - 11:06 Amputees and sports

NSY21-5049 Dekker R. (Netherlands)

12'

11:06 - 11:18 Tendinopathy: ageing or degeneration?

NSY21-5050 de Vos R. (Netherlands)

12'

11:30 - 12:00 **Free papers: EKA IV**

Moderation: Strachan R. (United Kingdom), Kort N. (Netherlands)

11:30 - 11:35 How soon can my patients drive after partial knee arthroplasty?

FP36-1217 Liebensteiner M. (Austria), Rochau H., Renz P., Smekal V., Rosenberger R., Krismer M.

5'

11:35 - 11:40 Deviations from optimal alignment in TKA: Is there a biomechanical difference between femoral or tibial component malalignment?

FP36-2133 Innocenti B. (Belgium), Catani F., Schafroth M.

5'

11:40 - 11:45 Stiffness of the soft tissue envelope during intraoperative gap balancing in total knee arthroplasty

FP36-1449 Heesterbeek Petra (Netherlands), Haffner N., Wymenga A., Stifter J., Ritschl P.

5'

11:45 - 11:50 A prospective randomized study about unicompartmental knee arthroplasty with all-polyethylene versus metal-backed tibial component: A clinical and Rsa evaluation

FP36-2390 Ensini A. (Italy), Barbadoro P., d'Amato M., Timoncini A., Amadei F., Giannini S.

5'

11:50 - 12:00 Discussion

ROOM: G 106-107

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:15 **Keynote lecture**

Moderation: Servien Elvire (France)

14:00 - 14:15 How to improve muscle healing

KN14-9049

Menetrey J. (Switzerland)

15'

14:15 - 15:30 **Ligament healing: State of the art**

Moderation: Hulet C. (France), Brucker P. (Germany)

14:15 - 14:26 Basic science: Ligament structure, response to injury,
and ligament healing

SY11-5081

Pereira H. (Portugal)

11'

14:26 - 14:37 Clinical application: Healing of the glenohumeral ligaments and
the elbow collaterals – state of the art

SY11-5082

Korolev A. (Russian Federation)

11'

14:37 - 14:48 Clinical application: Healing of the cruciate and collateral ligaments
at the knee – state of the art

SY11-5083

Brucker P. (Germany)

11'

14:48 - 14:59 Clinical application: Healing and ligamentization of tendon grafts in
ligament reconstructions – Status quo and can we improve it?

SY11-5084

Georgoulis A. (Greece)

11'

14:59 - 15:10 Clinical application: Healing of the lateral / medial ankle ligaments
and the syndesmosis – State of the art

SY11-5085

van Dijk C. (Netherlands)

11'

15:10 - 15:18 Conclusion: Healing of the ligaments – State of the art and
future directions

SY11-5086

Hulet C. (France), Brucker P. (Germany)

8'

15:18 - 15:30 Discussion

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

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ROOM: G 106-107

16:00 - 17:00 EAE & TUSYAD Symposium: PCL – current trends?

Moderation: Pinar H. (Turkey), Hantes M. (Greece)

16:00 - 16:08 Natural history, anatomy and biomechanics (GREECE)

NSY14-6031 *Hantes M. (Greece)*

5'

16:08 - 16:16 Acute isolated PCL Injuries: diagnosis, decision making and treatment (GREECE)

NSY14-6032 *Gliatis J. (Greece)*

8'

16:16 - 16:24 Chronic isolated PCL injuries: diagnosis, decision making and treatment (TURKEY)

NSY14-6033 *Taser Ö. (Turkey)*

8'

16:24 - 16:32 PCL tear and associated bony lesions (GREECE)

NSY14-6034 *Plessas S. (Greece)*

8'

16:32 - 16:40 Treatment of PCL and combined ligamentous Injuries (TURKEY)

NSY14-6035 *Tandogan R. (Turkey)*

8'

16:40 - 16:48 Evidence based medicine: graft selection, transtibial vs. tibial inlay, double vs. single bundle technique (TURKEY)

NSY14-6036 *Karaoglu S. (Turkey)*

8'

16:48 - 17:00 Discussion

ROOM: G 106-107**17:00 - 18:00 Free papers: PCL – PLC***Moderation: Slullitel D. (Argentina), Zorzi C. (Italy)*

17:00 - 17:05 Kinematic analysis of the posterior cruciate ligament: The individual and collective function of the anterolateral and posteromedial bundles

FP31-1196 LaPrade R. (USA), Kennedy N., Goldsmith Mary, Michalski M., Devitt B., Aroen A., Engebretsen L., Wijdicks C.

5'

17:05 - 17:10 Posterior cruciate ligament length change with knee loading

FP31-1744 Smolinski P. (USA), Wang J., Kato Y., Linde-Rosen Monica, Fu F., Harner C.

5'

17:10 - 17:15 Posteromedial corner reconstruction using laprade technique. 21 cases follow-up

FP31-1989 Leon A. (Chile), Ferrer G., Carredano X., Tuca Maria Jesus, Mena A., Glucksmann R., Gonzalo E.

5'

17:15 - 17:25 Discussion

17:25 - 17:30 In-vitro comparison of popliteus tendon and popliteofibular ligament reconstruction in an external rotation injury model of the knee: A cadaveric study evaluated by navigation system

FP31-1740 Zhang H. (China), Feng H.

5'

17:30 - 17:35 Kinematic analysis of the posterior cruciate ligament: A comparison of anatomic single – versus double-bundle reconstruction

FP31-1149 Wijdicks C. (USA), Kennedy N., Goldsmith Mary, Devitt B., Michalski M., Aroen A., Engebretsen L., LaPrade R.

5'

17:35 - 17:40 Biomechanical insight of ACL and PLC injury: an experimental study

FP31-2300 Bonanzinga T. (Italy), Signorelli Cecilia, Lopomo N., Filardo G., Marcacci M., Zaffagnini S.

5'

17:40 - 17:45 Is there a correlation in between stability and subjective functional outcome after successful PCL reconstruction in a long-term analysis

FP31-2108 Jung T. (Germany), Gwinner C., Kopf S., Benert Teresa, Ohde Julia, Haas N., Weiler A.

5'

17:45 - 18:00 Discussion

18:15 - 19:45 **Poster Happy Hour I with Welcome Reception
Forum Lounge, Ruby Lounge, Onyx Lounge**

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ROOM: EMERALD

10:30 - 12:00 **PT symposium: Tendon injuries**

Moderation: Gard Suzanne (Switzerland), Cools Ann M. (Belgium)

10:30 - 10:45	Overview of tendon rehabilitation protocols – from spaceflight to top athletes <i>PT11-8063 Langberg H. (Denmark)</i>	15'
10:45 - 11:00	Treatment of achilles tendinopathy, state of the art <i>PT11-8064 Willberg Lotta (Sweden)</i>	15'
11:00 - 11:15	The role of eccentric exercise in patients with subacromial impingement <i>PT11-8065 Maenhout Annelies (Belgium)</i>	15'
11:15 - 11:30	Treatment of patellar tendinopathy, state of the art <i>PT11-8067 Willberg Lotta (Sweden)</i>	15'
11:30 - 11:45	Achilles tendon rupture – an update of recovery and rehabilitation <i>PT11-8066 Grävare Silbernagel Karin (USA)</i>	15'
11:45 - 12:00	Discussion	

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:10 **PT symposium: Hip and groin injuries**

Moderation: Bizzini M. (Switzerland), Hölmich P. (Denmark)

14:00 - 14:15	The Swedish school of osteoarthritis with emphasis on the hip joint – a success? <i>PT12-8068 Klässbo Maria (Sweden)</i>	15'
14:15 - 14:30	Diagnostics and treatment of patients with impingement of the hip joint <i>PT12-8069 Tijssen Marsha (Netherlands)</i>	15'
14:30 - 14:45	Hip problems in professional dancers <i>PT12-8070 Nguyen Huu Florence (Switzerland)</i>	15'
14:45 - 15:00	An update of rehabilitation after groin injuries <i>PT12-8071 Hölmich P. (Denmark)</i>	15'
15:00 - 15:10	Discussion	

ROOM: EMERALD			
15:10 - 15:30	PT keynote lecture <i>Moderation: Gard Suzanne (Switzerland), Häger Charlotte (Sweden)</i>		
15:10 - 15:30	The plasticity of the human motor control system and orthopaedic rehabilitation <i>PT13-9043 van Cingel R. (Netherlands)</i>	20'	
15:30 - 16:00	Coffee break, visit industrial & E-poster exhibition		
16:00 - 18:00	PT symposium: Knee injuries <i>Moderation: Werner Suzanne (Sweden), Snyder-Mackler Lynn (USA)</i>		
16:00 - 16:15	Motor control aspects in the understanding of knee disorders – implications for rehabilitation <i>PT14-8072 Häger Charlotte (Sweden)</i>	15'	
16:15 - 16:30	Novel screening and individualized feedback techniques in ACL injury prevention to enhance retention and transfer <i>PT14-8073 Benjaminse Anne (Netherlands)</i>	15'	
16:30 - 16:45	The role of gender, age, sport and different grafts for clinical outcome after ACL reconstruction <i>PT14-8074 Werner Suzanne (Sweden)</i>	15'	
16:45 - 17:00	ACL injury prevention in young alpine skiers at elite level <i>PT14-8075 Westin Maria (Sweden)</i>	15'	
17:00 - 17:15	Rehabilitation and clinical outcome of patients with cartilage injuries of the knee <i>PT14-8076 van Assche D. (Belgium)</i>	15'	
17:15 - 17:30	An update and guidelines for evidence based treatment of patients with anterior knee pain <i>PT14-8077 Witvrouw E. (Belgium)</i>	15'	
17:30 - 17:45	Biomechanical issues in patellofemoral joint rehabilitation? <i>PT14-8078 Bizzini M. (Switzerland)</i>	15'	
17:45 - 18:00	Discussion		
18:15 - 19:45	Poster Happy Hour I with Welcome Reception Forum Lounge, Ruby Lounge, Onyx Lounge		

ROOM: AUDITORIUM

07:30 - 08:55 **ICL 06: Cartilage lesion and the patello-femoral joint**

Moderation: Koeter S. (Netherlands), Gigante A. (Italy)

07:30 - 07:45	Anatomy and biomechanics of patello-femoral joint <i>ICL06-9013 Amis A. (United Kingdom)</i>	15'
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07:45 - 08:00	Patello-femoral resurfacing and arthroplasty <i>ICL06-9012 Doral M. (Turkey)</i>	15'
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08:00 - 08:15	Patello-femoral chondromalacia: pathology, diagnosis and clinical aspects <i>ICL06-9009 Berruto M. (Italy)</i>	15'
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08:15 - 08:30	Cartilage repair of patellar lesions: an overview <i>ICL06-9010 Koeter S. (Netherlands)</i>	15'
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08:30 - 08:45	Cartilage repair with and without patellar realignment <i>ICL06-9011 Gigante A. (Italy)</i>	15'
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08:45 - 08:55	Discussion	
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09:00 - 09:30 **Presidential lecture**

09:00 - 09:30	The first global village <i>IL14-9042 Espregueira-Mendes J. (Portugal)</i>	30'
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09:30 - 10:00 **Highlight lecture**

Moderation: Becker R. (Germany)

09:30 - 10:00	Total knee prosthesis: surgery, design, clinical results Where can we improve? <i>IL16-9002 Bellemans J. (Belgium)</i>	30'
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10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

ROOM: AUDITORIUM

10:30 - 12:00 **Star Paper Session**

Moderation: Engebretsen L. (Norway), Courage O. (France)

10:30 - 10:40 Metal resurfacing inlay implant for osteochondral defects of the talus after failed previous surgery: a prospective study
AW11-2426 *van Bergen C. (Netherlands), van Eekeren Inge, Reilingh M., Gerards R., Sierevelt Inger, van Dijk C.* 10'

10:40 - 10:50 Comparison of glenohumeral contact pressures and contact areas after posterior glenoid reconstruction with iliac crest or distal tibia osteochondral allograft
AW11-1964 *Saccomanno Maristella Francesca (Italy), Frank Rachel, Shin J., Provencher M., Romeo A., Verma N.* 10'

10:50 - 11:00 The tibial tubercle - posterior cruciate ligament distance: An independent review of this new measurement
AW11-2436 *Anley C. (United Kingdom), Saithna A., Morris G., James S., Snow M.* 10'

11:00 - 11:10 A novel synthetic meniscus implant for the treatment of middle aged patients: Results of 118 patients in a prospective, multi-center study
AW11-1427 *Condello V. (Italy), Arbel R., Agar G., Rozen N., Angele P., Victor J., Brittberg M., Verdonk P.* 10'

11:10 - 11:20 The potential impact of repair of the anterolateral ligament on post-ACL reconstruction uncontrolled internal rotation
AW11-2529 *Branch T. (USA), Stinton S.* 10'

11:20 - 11:30 Extra-articular reconstruction and Pivot shift: „In vivo“ dynamic evaluation with navigation
AW11-1129 *Monaco E. (Italy), Maestri Barbara, Mazza D., Iorio C., Ferretti A.* 10'

11:30 - 11:40 Long-term degradation of poly-lactide co-glycolide/beta-tricalcium phosphate biocomposite anchors in arthroscopic Bankart repair. A prospective study
AW11-1635 *Compagnoni R. (Italy), Ragone Vincenza, Aliprandi A., Carminati S., Bruno Valentina, Randelli P.* 10'

11:40 - 11:50 Platelet-rich plasma injections in acute hamstring muscle injuries: A randomised controlled trial
AW11-1375 *Reurink G. (Netherlands), Goudswaard G., Moen M., Weir A., Verhaar J., Bierma-Zeinstra Sita, Maas M., Tol J.* 10'

11:50 - 12:00 Discussion

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ROOM: AUDITORIUM

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:15 **Keynote lecture**

Moderation: Madry H. (Germany)

14:00 - 14:15 „Close to clinics“: Tissue engineering and regenerative medicine

KN20-9052 *Pereira H. (Portugal)*

15'

14:15 - 15:00 **Case discussion (Articular Cartilage Committee):
Cartilage imaging - radiological and clinical importance
(combined with ICRS) [?]**

Moderation: Steinwachs M. (Switzerland), Angele P. (Germany)

14:15 - 14:30 Osteochondritis dissecans-Treatment options and pitfalls

CD14-9139 *Angele P. (Germany)*

15'

14:30 - 14:45 Imaging and biomaterials

CD14-9140 *Kon Elizaveta (Italy)*

15'

14:45 - 15:00 Imaging of bone pathology after CARtilage Repair

CD14-9141 *Steinwachs M. (Switzerland)*

15'

ROOM: AUDITORIUM

15:00 - 15:30 **Free papers: Basic science III**

Moderation: Peretti G. (Italy), Cucchiaroni Madry Magali (Germany)

15:00 - 15:05 Automated three-dimensional knee articular cartilage visualization and volume measurement using 3D U-shape and Gaussian filter – validation with human knees

FP15-1645 Chung J. (South Korea (ROK)), Min B., Oh H., Jung M., Kim J., Park D.

5'

15:05 - 15:10 The effect of platelet rich plasma formulations on human synoviocytes

FP15-1252 Drago J. (USA), Braun Hillary, Kim Hyeon Joo, Chu Constance

5'

15:10 - 15:15 Intra and inter-observer reliability of ten major histological scoring systems used for the evaluation of in vivo cartilage repair

FP15-1478 Bonasia D. (Italy), Massa A., Marmotti A., Ferro A., Bruzzone M., Castoldi F., Blonna D., Rossi R.

5'

15:15 - 15:20 Tissue engineered nasal cartilage for the regeneration of post traumatic cartilage injuries in the knee – early results of a Phase 1 clinical trial

FP15-2534 Mumme M. (Switzerland), Barbero A., Steinwachs M., Studler U., Jundt G., Heberer M., Arnold M., Schwamborn T., Martin I.

5'

15:20 - 15:30 Discussion

15:30 - 16:30 **ESSKA General Assembly**

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ROOM: AUDITORIUM

16:30 - 17:30 **Cartilage lesions during ACL reconstruction: to treat or not to treat?**

Moderation: Peretti G. (Italy), Kon Elizaveta (Italy)

16:30 - 16:42 Natural history of cartilage lesion

SY01-6085 *Widuchowski W. (Poland)*

12'

16:42 - 16:54 When and how I treat them

SY01-6087 *Erggelet C. (Switzerland)*

12'

16:54 - 17:06 When and how I treat them

SY01-6086 *Engebreetsen L. (Norway)*

12'

17:06 - 17:18 When and how I treat them

SY01-6088 *Pujol N. (France)*

12'

17:18 - 17:30 Discussion

17:30 - 18:30 **The infected ACL reconstructed knee** [?]

Moderation: Aroen A. (Norway), Höher J. (Germany)

17:30 - 17:35 Introduction (epidemiology, incidence)

SY03-4038 *Aroen A. (Norway)*

5'

17:35 - 17:45 Where do the bacteria come from?

SY03-4039 *Skråmm I. (Norway)*

10'

17:45 - 17:55 Antibiotics - prophylaxis and treatment

SY03-4040 *Berdal J. (Norway)*

10'

17:55 - 18:05 Practical management of the infected ACL reconstructed knee

SY03-4041 *Bouillon B. (Germany)*

10'

18:05 - 18:15 Outcomes after ACL reconstruction followed by infection

SY03-4042 *Sivertsen E. (Norway)*

10'

18:15 - 18:25 Prevention of infection after ACL reconstruction – which precautions are practical, what is evidence based?

SY03-4043 *Höher J. (Germany)*

10'

18:25 - 18:30 Discussion

18:30 - 19:30 **Poster Happy Hour I with Welcome Reception Forum Lounge, Ruby Lounge, Onyx Lounge**

ROOM: FORUM			
07:30 - 08:55	ICL 01: Anatomy of the ACL and reconstruction 		
	<i>Moderation: Siebold R. (Germany), Järvelä T. (Finland)</i>		
07:30 - 07:42	Anatomy and biomechanics of mid-substance and fan-like extension fibres of the femoral ACL attachment		12'
ICL01-6044	Yasuda K. (Japan)		
07:42 - 07:54	Ribbon-like anatomy of mid-substance and tibial crescent shaped ACL insertion		12'
ICL01-6045	Smigielski R. (Poland)		
07:54 - 08:06	Consequences of ribbon-like ACL anatomy for ACL reconstruction using hamstrings		12'
ICL01-6046	Siebold R. (Germany)		
08:06 - 08:18	Alternatives for ACL reconstruction using Patella tendon or Quadriceps-Tendon		12'
ICL01-6047	Fink C. (Austria)		
08:18 - 08:29	Outcome of randomized controlled trials comparing double-bundle- to single-bundle ACL reconstruction		11'
ICL01-6048	Järvelä T. (Finland)		
08:29 - 08:35	A prospective study comparing individualized SB- to DB ACL reconstruction		6'
ICL01-9084	Hussein M. (Slovenia)		
08:35 - 08:55	Discussion		
10:00 - 10:30	Coffee break, visit industrial & E-poster exhibition		

10:30 - 11:00	Free papers: Shoulder II (instability)		
	<i>Moderation: Bak K. (Denmark), Diercks R. (Netherlands)</i>		
10:30 - 10:35	Effect of humeral avulsion of the glenohumeral ligaments on stability		5'
FP07-1239	Park K. (South Korea (ROK)), McGarry Michelle H, Tamboli Mallika, Nguyen Lauren, Lee T.		
10:35 - 10:40	Short-term complications of the arthro-Latarjet procedure		5'
FP07-1391	Ciais G. (France), Nourissat G., Tiemtore R., Augouard S.		

ROOM: FORUM

Free papers: Shoulder II (instability)

continued

10:40 - 10:45	Long term results after arthroscopic bankart repair using the 05:30 portal for recurrent anterior shoulder instability: A minimum of ten years follow-up <i>FP07-2202 Aboalata M. (Germany), Plath J., Seppel G., Vogt S., Imhoff A.</i>	5'
10:45 - 10:50	Dorsal remplissage – arthroscopic additional procedure for recurrent instability of the shoulder joint <i>FP07-2540 Krifter R. (Austria), Zweiger Christine</i>	5'
10:50 - 11:00	Discussion	

11:00 - 12:00 Massive rotator cuff treatment options, multicentric study

Moderation: Brzoska R. (Poland), Kovacic L. (Slovenia)

11:00 - 11:08	Introduction: Massive cuff tear – late degeneration: Reha or surgery? <i>SY07-8056 Korolev A. (Russian Federation)</i>	8'
11:08 - 11:16	Speed Bridge technique for MRCT <i>SY07-8057 Toussaint B. (France)</i>	8'
11:16 - 11:24	Baloon technique in irreparable MRCT <i>SY07-8058 Senekowicz V. (Germany)</i>	8'
11:24 - 11:32	Single row for MRCT <i>SY07-8059 Jermolajevs V. (Lithuania)</i>	8'
11:32 - 11:40	Double row for the massive treatment <i>SY07-8060 Brzoska R. (Poland)</i>	8'
11:40 - 11:48	MRCT treatment? Arthroscopic transosseous suture as a technical option <i>SY07-8061 Franceschi F. (Italy)</i>	8'
11:48 - 11:56	Multicentric study: where we are <i>SY07-8062 Kovacic L. (Slovenia)</i>	8'
11:56 - 12:00	Discussion	

12:00 - 14:00 Lunch break & industry workshops (details see p. 194-202)

ROOM: FORUM			
14:00 - 14:15	Keynote lecture <i>Moderation: Poberaj B. (Slovenia)</i>		
14:00 - 14:15	Imaging of rotator cuff – what surgeons need to know <i>KN12-9047 Funk L. (United Kingdom)</i>		15'
14:15 - 14:30	Keynote lecture <i>Moderation: Taverna E. (Italy)</i>		
14:15 - 14:30	How to treat rotator cuff re-tears <i>KN11-9046 Hardy P. (France)</i>		15'
14:30 - 15:30	Updates in biceps pathology and treatments <i>Moderation: Calvo Diaz A. (Spain), Taverna E. (Italy)</i>		
14:30 - 14:37	Decision making in LHB pathology <i>SY06-5076 Soler Romagosa F. (Spain)</i>		7'
14:37 - 14:44	The role of LHB tendon in shoulder pathology. Biomechanics and function <i>SY06-5075 Di Giacomo G. (Italy)</i>		7'
14:44 - 14:51	Treatment of biceps pathology in sportsmen <i>SY06-5077 Funk L. (United Kingdom)</i>		7'
14:51 - 14:58	LHB and cuff tears. What to do with biceps tendon? <i>SY06-5078 Huijsmans P. (Netherlands)</i>		7'
14:58 - 15:05	Painful LHB with intact cuff. Choosing the technique <i>SY06-5079 Poberaj B. (Slovenia)</i>		7'
15:05 - 15:12	Intraosseous Biceps tenodesis. Indications, results and complications <i>SY06-5080 Calvo Diaz A. (Spain)</i>		7'
15:30 - 16:00	Coffee break, visit industrial & E-poster exhibition		

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ROOM: FORUM

16:30 - 17:30 Live surgical demonstration (ESA)

Moderation: Poberaj B. (Slovenia), Huijsmans P. (Netherlands)

16:30 - 17:30 Arthroscopic bone block procedure for anterior shoulder instability

LS12-9033

Surgeon: Taverna E. (Italy)

60'

17:30 - 17:45 Keynote lecture

Moderation: Randelli P. (Italy)

17:30 - 17:45 Crash and nightmare in shoulder arthroscopy

KN13-9048

Calvo Diaz A. (Spain)

15'

17:45 - 18:30 Case discussion (ESA): Rotator cuff ?

Moderation: Huijsmans P. (Netherlands)

18:30 - 19:30 Poster Happy Hour II

Forum Lounge, Ruby Lounge, Onyx Lounge

ROOM: E 104 - 107**07:30 - 08:55 ICL 03: Tips and tricks in UKA***Moderation: Argenson J. (France), Fuchs-Winkelmann Susanne (Germany)***07:30 - 07:40 Tips for preoperative assessment before UKA***ICL03-4026 Murray D. (United Kingdom)*

10'

07:40 - 07:50 Tips for fixed UKA*ICL03-4027 Parratte S. (France)*

10'

07:50 - 08:00 Tips for mobile UKA*ICL03-4028 Aldinger P. (Germany)*

10'

08:00 - 08:10 Tips for aiding UKA surgery*ICL03-4029 Bellemans J. (Belgium)*

10'

08:10 - 08:20 Tips on assessment of failed UKA*ICL03-4030 Kornilov N. (Russian Federation)*

10'

08:20 - 08:30 Tips on revision UKA*ICL03-4031 Skowronek P. (Poland)*

10'

08:30 - 08:55 Discussion**10:00 - 10:30 Coffee break, visit industrial & E-poster exhibition****10:30 - 12:00 Fast-track surgery in TKA, how to start [?]***Moderation: Thienpont E. (Belgium), Victor J. (Belgium)***10:30 - 10:45 Basic principles in fast track surgery***SY30-8017 Husted H. (Denmark)*

15'

10:45 - 11:00 Pain in TKA: still an unsolved issue*SY30-8018 Grosu Irina (Belgium)*

15'

11:00 - 11:15 Blood management*SY30-8019 Thienpont E. (Belgium)*

15'

11:15 - 11:30 Closing techniques and bandages*SY30-8020 Victor J. (Belgium)*

15'

11:30 - 12:00 Discussion

ROOM: E 104 - 107

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:30 **Controversies in primary TKA**

Moderation: Baldini A. (Italy), Becker R. (Germany)

14:00 - 14:10	Surgical technique: Measured resection technique SY31-6054	10'
	<i>Cobb J. (United Kingdom)</i>	

14:10 - 14:20	Surgical technique: Gap balancing technique SY31-6055	10'
	<i>von Knoch F. (Switzerland)</i>	

14:20 - 14:30	PSI Pro SY31-6066	10'
	<i>Tibesku C. (Germany)</i>	

14:30 - 14:40	PSI Contra SY31-6067	10'
	<i>Vandenneucker Hilde (Belgium)</i>	

14:40 - 15:00 Discussion

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

ROOM: E 104-107**16:30 - 18:00 ESSKA-EKA: Failure analysis in TKA***Moderation: Wymenga A. (Netherlands), Hofmann S. (Austria)***16:30 - 16:35 Case challenge**SY43-8021 *Hofmann S. (Austria)*

5'

16:35 - 16:45 Diagnostic algorithmSY43-8022 *Porteous A. (United Kingdom)*

10'

16:45 - 16:55 Clinical examinationSY43-8023 *Parratte S. (France)*

10'

16:55 - 17:05 Radiographic evaluationSY43-8024 *Romero J. (Switzerland)*

10'

17:05 - 17:15 How to exclude infectionSY43-8025 *Klauser W. (Germany)*

10'

17:15 - 17:25 Planning the revisionSY43-8026 *Chapman-Sheath P. (United Kingdom)*

10'

17:25 - 17:35 Case challengeSY43-8027 *Hofmann S. (Austria)*

10'

17:35 - 18:00 Discussion

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ROOM: E 104-107

18:00 - 18:30 **Free Papers: EKA III (Infection)**

Moderation: Marcacci M. (Italy), Christen B. (Switzerland)

18:00 - 18:05 Intra-articular level of C-reactive protein is an indicator for infection after total knee arthroplasty

FP35-1290 *Ronde-Oustau Cécile (France), Diesinger Y., Jenny J.*

5'

18:05 - 18:10 Same success rate for one-stage versus two-stage reimplantations for infected TKR:
A matched paired comparison in a French multicenter trial

FP35-1510 *Massin P. (France), Lhotellier L., Pasquier G., Touchais Sophie, Jenny J.*

5'

18:10 - 18:15 Surgical case order in total knee arthroplasty has no effect on infection risk

FP35-2496 *Chen Antonia (USA), Greenbaum J., Restrepo C., Maltenfort M., Parvizi J.*

5'

18:15 - 18:20 Final outcome after periprosthetic knee infections by resistant bacteria could be catastrophic

FP35-2073 *Vasso M. (Italy), Gasparini G., Cerciello S., Schiavone Panni A.*

5'

18:20 - 18:30 Discussion

18:30 - 19:30 **EKA General Assembly**

Moderation: Argenson J. (France), Bellemans J. (Belgium)

ROOM: G 102 - 103			
07:30 - 08:55	ICL 02: Elbow arthroscopy: From basic to advance <i>Moderation: Arrigoni P. (Italy), Eygendaal Denise (Netherlands)</i>		
07:30 - 07:45	Set up, portals and safety considerations <i>ICL02-6009 Van Tongel A. (Belgium)</i>		15'
07:45 - 08:00	Tennis: elbow diagnosis and treatment <i>ICL02-6010 Eygendaal Denise (Netherlands)</i>		15'
08:00 - 08:15	The unstable elbow: what we can see and treat arthroscopically <i>ICL02-6011 Arrigoni P. (Italy)</i>		15'
08:15 - 08:30	Arthroscopic assisted fracture management <i>ICL02-6012 Adamczyk G. (Poland)</i>		15'
08:30 - 08:45	The stiff and degenerative elbow – Arthroscopic treatment <i>ICL02-6013 Pederzini L. (Italy)</i>		15'
08:45 - 08:55	Discussion		
10:00 - 10:30	Coffee break, visit industrial & E-poster exhibition		
10:30 - 10:45	Keynote lecture <i>Moderation: van Der Merwe W. (South Africa)</i>		
10:30 - 10:45	Xenografts in orthopaedics: the future of ligament replacement <i>KN26-9057 Stone K. (USA)</i>		15'

ROOM: G 102 - 103

10:45 - 11:15 **Free papers: Ligament IV**

Moderation: Amis A. (United Kingdom), Höher J. (Germany)

10:45 - 10:50 The relationship between clinical grading and quantitative measurement of the pivot shift test. An international multicenter study

FP13-2151

Hoshino Y. (Japan), Kuroda R., Musahl V., Irrgang J., Lopomo N., Zaffagnini S., Karlsson J., Fu F.

5'

10:50 - 10:55 Combined anterior and rotational laxity measurements allow characterizing personal knee laxity profiles in healthy individuals

FP13-1664

Mouton Caroline (Luxembourg), Theisen D., Agostinis Hélène, Nührenbörger C., Pape D., Seil R.

5'

10:55 - 11:00 Quantification of the pivot shift test before and after ACL reconstruction: A multicenter international study

FP13-2051

Lopomo N. (Italy), Musahl V., Kuroda R., Karlsson J., Zaffagnini S.

5'

11:00 - 11:05 The anatomy of the anterolateral ligament of the knee

FP13-2444

Claes S. (Belgium), Vereecke Evie, Maes M., Victor J., Verdonk P., Schafroth M.

5'

11:05 - 11:15 Discussion

11:15 - 11:30 **Keynote lecture**

Moderation: Zaffagnini S. (Italy)

11:15 - 11:30 Minimal invasive approach to posterolateral knee instability - an Asian experience

KN27-9058

Hua F. (China)

15'

ROOM: G 102-103**11:30 - 12:00 Free papers: Ligament V***Moderation: Aroen A. (Norway), Mastrokalos D. (Greece)*

11:30 - 11:35 Conscious performance of athletes with anterior cruciate ligament injury during the competition season treated with conservative therapy until the end of the season

FP18-1842 Numata H. (Japan), Nakase J., Toratani T., Kosaka M., Ohashi Y., Tsuchiya H.

5'

11:35 - 11:40 Knee functional performance and self-reported knee function at six months predicts return to preinjury activity level two years after anterior cruciate ligament reconstruction

FP18-1991 Nawasreh Z. (USA), Logerstedt D., White Kathleen, Snyder-Mackler Lynn

5'

11:40 - 11:45 Patient expectations of primary and revision ACL reconstruction

FP18-1640 Feucht M. (Germany), Saier T., Minzlaff P., Hinterwimmer S., Südkamp N., Imhoff A.

5'

11:45 - 11:50 Effect of quadriceps muscle activation on anterior tibial translation after single and double bundle anterior cruciate ligament reconstruction

FP18-1930 Hantes M. (Greece), Tsarouhas A., Giakas I., Sideris V., Karatzios K., Antoniou I.

5'

11:50 - 12:00 Discussion

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194-202)**

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ROOM: G 102-103

14:00 - 15:30 **Primary talar OCD: What is new?**

Moderation: Kerkhoffs G. (Netherlands), Handl M. (Czech Republic)

14:00 - 14:15 Diagnostic work-up: MR vs. CT vs. US

SY12-4054

Terra Maaike (Netherlands)

15'

14:15 - 14:30 The role of correcting malignment in treatment of primary OCD

SY12-4055

Amendola N. (USA)

15'

14:30 - 14:45 ACI - an option for talar OCD treatment

SY12-4056

Handl M. (Czech Republic)

15'

14:45 - 15:00 LDFF procedure best practice, (not) only in children?

SY12-4057

Kerkhoffs G. (Netherlands)

15'

15:00 - 15:15 Developments in debridement and drilling: healing water?

SY12-7003

Tuijthof Gabrielle (Netherlands)

15'

15:15 - 15:30 Discussion

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

ROOM: G 102-103**16:30 - 17:00 Free papers: Injury prevention***Moderation: Bahr R. (Norway), Snyder-Mackler L. (USA)*

16:30 - 16:35 The risk of injury for children in alpine sports.
A 6 years case-control study

FP29-2441 Zacharopoulos A. (Greece), Vlastos I., Smyrnis A., Zafeiriou C.

5'

16:35 - 16:40 The hip abductor and abdominal rectus muscles were active
during of the FIFA 11+

FP29-1401 Nakase J. (Japan), Toratani T., Kosaka M., Ohashi Y., Numata H.,
Tsuchiya H.

5'

16:40 - 16:45 Effect of acute and 4 weeks heavy resistance exercise training on
immunohistochemical matrix protein staining in the myotendinous
junction in humans

FP29-1928 Jakobsen J. (Denmark), Knudsen A., Mackey-Sennels Abigail,
Krogsgaard M.

5'

16:45 - 16:50 Precise risk factor for Osgood-Schlatter disease

FP29-1394 Nakase J. (Japan), Toratani T., Kosaka M., Ohashi Y., Numata H.,
Tsuchiya H.

5'

16:50 - 17:00 Discussion

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ROOM: G 102-103

17:00 - 18:00 **Ankle osteoarthritis and sports**

Moderation: d'Hooghe P. (Qatar), Karlsson J. (Sweden)

17:00 - 17:12 Arthroscopic debridement of the osteoarthritic ankle.
Return or not to sports?

SY13-5009 Vega J. (Switzerland)

12'

17:12 - 17:24 Subtalar fusion: not a problem for the athlete?

SY13-5010 Amendola N. (USA)

12'

17:24 - 17:36 Mini battle

SY13-5011

12'

17:36 - 17:48 Ankle fusion is not a restriction for sports performance

SY13-5012 Stufkens S. (Netherlands)

12'

17:48 - 18:00 Ankle prosthesis much better for sports performance!

SY13-5013 Bonnin M. (France)

12'

18:30 - 19:30 **Poster Happy Hour II**

Forum Lounge, Ruby Lounge, Onyx Lounge

ROOM: G 104 - 105**7:30 - 08:55 ICL 04: Achilles tendon rupture treatment: still a weak spot?***Moderation: Calder J. (United Kingdom), Longo U. (Italy)*

07:30 - 07:42 Presentation of achilles tendon study group consensus book
ICL04 - 9138 Wiegerinck J. (Netherlands) 12'

07:42 - 07:54 Tricks and tips for successful conservative treatment of primary
achilles tendon rupture
ICL04-4021 Karlsson J. (Sweden) 12'

07:54 - 08:06 Minimal invasive operative treatment: better or worse?
ICL04-4022 Calder J. (United Kingdom) 12'

08:06 - 08:18 Key elements of successful open surgery for primary achilles
tendon rupture
ICL04-4023 van Dijk C. (Netherlands) 12'

08:18 - 08:30 Treatment of delayed Achilles tendon rupture: what should we know?
ICL04-4024 Maffulli N. (United Kingdom) 12'

08:30 - 08:45 What to do when everything goes wrong following treatment
of Achilles tendon rupture?
ICL04-4025 Doral M. (Turkey) 15'

08:45 - 08:55 Discussion

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

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ROOM: G 104 - 105

10:30 - 11:30 **Free papers: Meniscus II**

Moderation: Beaufile P. (France), Varatojo R. (Portugal)

10:30 - 10:35 Anatomical study of the benchmarks for two techniques of pie-crusting of the MCL for a partial medial meniscectomy
 FP10-2447 Bouguennec N. (France), Graveleau N., MEYER A., Colombet P. 5'

10:35 - 10:40 Prevalence of lateral meniscus root tears in 228 ACL injuries. A classification
 FP10-1602 Forkel P. (Germany), Imhoff A., Petersen W. 5'

10:40 - 10:45 Radial tear and root avulsion of posterior horn of lateral meniscus: Technique, significance and outcome of repair
 FP10-1052 Keyhani S. (Iran) 5'

10:45 - 10:50 The clinical results of saucerization alone versus saucerization and repair for discoid lateral meniscus in juvenile patients with minimum 2-years follow-up
 FP10-1568 Yamasaki S. (Japan), Hashimoto Y., Takigami J., Terai S., Nakamura H. 5'

10:50 - 11:00 Discussion

11:00 - 11:05 Assessment of the medial meniscus in ACL deficient knee according to the arthroscopic approach
 FP10-1623 Peltier A. (France), Lustig S., Servien Elvire, Neyret P. 5'

11:05 - 11:10 Clinical results after arthroscopic repair of peripheral tears around popliteal hiatus of the lateral meniscus
 FP10-1665 Lee S. (South Korea (ROK)), Ahn J., Yoon K., Wang J. 5'

11:10 - 11:15 Second generation suture devices superior to arrows in all-inside meniscal repair: A prospective randomized clinical trial with 2 years follow-up
 FP10-1455 Kise Nina Jullum (Norway), Drogset J., Ekeland A., Sivertsen E., Heir S. 5'

11:15 - 11:20 A longitudinal study of impacts during gait following knee arthroscopic partial meniscectomy
 FP10-1087 Hall Michelle (Australia), Wrigley T., Hinman Rana, Metcalf B., Millis P., Dempsey A., Lloyd D., Bennell K. 5'

11:20 - 11:30 Discussion

ROOM: G 104 - 105			
	11:30 - 12:00	Free papers: Basic science I <i>Moderation: Blankevoort L. (Netherlands), Cerulli G. (Italy)</i>	
	11:30 - 11:35	Isolation and characterization of human rotator cuff and long head of the biceps tendon stem cells. The HRC and HLHB stem cells <i>FP17-1338 Randelli P. (Italy), Anastasia L., Ragone Vincenzo, Masuzzo Pamela, Conforti Erika, Tettamanti G., Cabitza P., Banfi G.</i>	5'
	11:35 - 11:40	Surmenage injuries in professional handball players. Role of indoor surface material. <i>FP17-2359 Heijnen Simone (Netherlands), Schotanus M., Dekker R., Wijers B., Jansen E.</i>	5'
	11:40 - 11:45	TRPV4 in healthy and injured human anterior cruciate ligament <i>FP17-2370 Maestro A. (Spain), Rodriguez L., Vazquez G., Garcia-Suárez Olivia, Vega J.</i>	5'
	11:45 - 11:50	Back to sport after ACL repair <i>FP17-2225 Ahmad S. (Switzerland), Müller T., Eggli S., Evangelopoulos D., Henle P., Kohl S.</i>	5'
	11:50 - 12:00	Discussion	
	12:00 - 14:00	Lunch break & industry workshops (details see p. 194 - 202)	
	14:00 - 14:15	Keynote lecture <i>Moderation: Feller J. (Australia)</i>	
	14:00 - 14:15	The history of trochlea dysplasia and trochloplasty <i>KN22-9054 Dejour D. (France)</i>	15'

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ROOM: G 104 - 105

14:15 - 15:30 **Free papers: Patellofemoral II**

Moderation: Van Kampen A. (Netherlands), Hirschmann M. (Switzerland)

14:15 - 14:20 Femoral tunnel enlargement after MPFL reconstruction: Prevalence, risk factors, and clinical impact
 FP20-1421 Neyret P. (France), Berard J., Magnussen R., Lustig S., Servien Elvire 5'

14:20 - 14:25 Femoral insertion of the medial patellofemoral ligament (MPFL) in relation to the growth plate in adolescent patients with patellofemoral instability
 FP20-1860 Wagner D. (Germany), Rueth M., Pfalzer S., Bauer G. 5'

14:25 - 14:30 A multi-level analysis of femoral torsion predisposing patterns relevant to lateral patella dislocations
 FP20-2410 Scheurecker G. (Austria), Seitlinger G., Högler R., Hofmann S. 5'

14:30 - 14:40 Discussion

14:40 - 14:45 Analysis of failure and subsequent surgery after unsatisfactory medial patellofemoral ligament reconstruction
 FP20-1318 Nelitz M. (Germany), Lippacher Sabine 5'

14:45 - 14:50 Does radiographic location ensure precise location of the femoral fixation site in medial patellofemoral ligament surgery? A 3D-computed tomography analysis
 FP20-1764 Sanchis-Alfonso V. (Spain), Ramirez-Fuentes Cristina, Montesinos-Berry E., Aparisi F. 5'

14:50 - 14:55 Prospective evaluation of trochleoplasty in patients with objective patellar instability and severe trochlear dysplasia
 FP20-1649 Mollen B. (Netherlands), Heesterbeek Petra, Wymenga A. 5'

14:55 - 15:05 Discussion

15:05 - 15:10 The anterior notch in mobile-bearing UKA and its effect on the patellofemoral joint
 FP20-1283 Liebensteiner M. (Austria), Rochau H., Uprimny C., Smekal V., Rosenberger R., Servien Elvire 5'

15:10 - 15:15 Evidence of trochlear dysplasia in current patellofemoral arthroplasty designs
 FP20-1733 Ntagiopoulos P. (France), Saffarini M., Demey G., Le Negaret B., Dejour D. 5'

15:15 - 15:20 Trochleoplasty and femoral MPFL insertion positioning via computer assisted surgical template. An anatomical study
 FP20-2373 Drobnic M. (Slovenia), Martincic D., Kreuh D., Hribernik Marjana 5'

15:20 - 15:30 Discussion

ROOM: G 104-105**15:30 - 16:00 Coffee break, visit industrial & E-poster exhibition****16:30 - 17:30 Pitfalls in arthroscopic knee surgery – how to avoid & what to do?***Moderation: Angele P. (Germany), Becker R. (Germany)***16:30 - 16:42 Most common mistakes in Cartilage surgery**

SY16-6043

Angele P. (Germany)

12'

16:42 - 16:54 Pitfalls in ACL surgery

SY16-4062

Petersen W. (Germany)

12'

16:54 - 17:06 Pitfalls in meniscus surgery

SY16-4063

Becker R. (Germany)

12'

17:06 - 17:18 Pitfalls in MPFL reconstruction

SY16-4064

Schöttle P. (Germany)

12'

17:18 - 17:30 Discussion

Timetables

Wednesday

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Posters

ROOM: G 104-105

17:30 - 18:30 **The ACL laxity evaluation: How to score your patient?**

Moderation: Espregueira-Mendes J. (Portugal), Musahl V. (USA)

17:30 - 17:37 Stress X Rays and radiographic evaluation

SY20-4069

Dejour D. (France)

7'

17:37 - 17:44 Robotic sagittal and rotational laxity measurement of ACL tears. Applications in complete and partial rupture, and in combined ACL lesions

SY20-4070

Robert H. (France)

7'

17:44 - 17:51 Can knee laxity be evaluated using image analysis?

SY20-4071

Musahl V. (USA)

7'

17:51 - 17:58 New ways to evaluate static rotational laxity

SY20-4072

Seil R. (Luxembourg)

7'

17:58 - 18:05 Laxity measurement in MRI (rotation and translation)

SY20-4073

Espregueira-Mendes J. (Portugal)

7'

18:05 - 18:12 Prospective ESSKA study on ACL laxity

SY20-4074

Ntagiopoulos P. (Greece)

7'

18:12 - 18:19 Results of the prospective study

SY20-4075

Mouton Caroline (Luxembourg)

7'

17:18 - 17:30 Discussion

18:30 - 19:30 **Poster Happy Hour II**

Forum Lounge, Ruby Lounge, Onyx Lounge

ROOM: G 106 - 107**07:30 - 08:55 ICL 05: Shoulder osteoarthritis in the young and current treatments***Moderation: Brzoska R. (Poland), Huijsmans P. (Netherlands)***07:30 - 07:45** Current concepts on shoulder early arthritis*ICL05-8013 van der List M. (Netherlands)*

15'

07:45 - 07:50 Discussion**07:50 - 08:05** Articular cartilage injuries (Clinical treatment options and basic science)*ICL05-8014 Miniaci A. (USA)*

15'

08:05 - 08:10 Discussion**08:10 - 08:25** Arthroscopic soft tissue interpositioning for patients with glenohumeral osteoarthritis*ICL05-8015 Huijsmans P. (Netherlands)*

15'

08:25 - 08:30 Discussion**08:30 - 08:45** Prevention of shoulder osteoarthritis in young patients*ICL05-8016 Brzoska R. (Poland)*

15'

08:45 - 08:55 Discussion**10:00 - 10:30 Coffee break, visit industrial & E-poster exhibition****10:30 - 11:30 Free papers: Pelvis/groin & hip***Moderation: Tol J. (Qatar), NN***10:30 - 10:35** Which ligaments are the most important for providing hip joint stability?*FP11-1459 van Arkel R. (United Kingdom), Amis A., Jeffers J.*

5'

10:35 - 10:40 Miniinvasive hip osteonecrosis surgical treatment with composite adult autologous mesenchymal stem cells (aMSc) grafting procedure - early results*FP11-1893 Jancewicz P. (Poland), Hermanowicz K., Kuzma K., Malinowski K.*

5'

10:40 - 10:45 Eccentric and isometric hip-adduction strength in male soccer players with and without adductor-related groin pain: An assessor-blinded comparison*FP11-2076 Thorborg K. (Denmark), Branci Sonia, Nielsen M., Tang L., Nielsen M., Per H.*

5'

ROOM: G 106 - 107

Free papers: Pelvis/groin & hip

continued

- | | | |
|---------------|--|----|
| 10:45 - 10:50 | The hip fluid seal: The effect of an acetabular labral tear, repair, resection, and reconstruction on hip fluid pressurization
<i>FP11-1150</i> <i>Wijdicks C. (USA), Philippon M., Nepple J., Campbell K., Dornan G., Jansson K., LaPrade R.</i> | 5' |
| 10:50 - 11:00 | Discussion | |
| 11:05 - 11:10 | Specificity and sensitivity of 3T MRI in diagnosing grade 3 and 4 chondral lesions in the hip
<i>FP11-2321</i> <i>Philippon M. (USA), Ho C., Ommen Dawn, Goljan P., Briggs Karen</i> | 5' |
| 11:10 - 11:15 | Femoroacetabular impingement is associated with decreased subtalar eversion: A 3-dimensional gait analysis study
<i>FP11-1437</i> <i>Hetsroni I. (Israel), Funk Shany, Ben-Sira D., Palmanovich E., Nyska M., Ayalon M.</i> | 5' |
| 11:15 - 11:20 | Is isometric strength testing of the adductors and abductors a valuable tool for differentiating hip-related adductor pain and adductor-related groin pain?
<i>FP11-2127</i> <i>Dimitrakopoulou Alexandra (United Kingdom), Schilders E., Kartsonaki Christiana, Cooke C.</i> | 5' |
| 11:20 - 11:30 | Discussion | |

11:30 - 12:00 Free papers: Multiligament

Moderation: Smigielski R. (Poland), Zorzi C. (Italy)

- | | | |
|---------------|---|----|
| 11:30 - 11:35 | Clinical outcomes of knee dislocations: 2- to 10-year follow-up
<i>FP28-2190</i> <i>Wascher D. (USA), Richter D., Schenck R., Gurney B., Dexter J., Andrews R.</i> | 5' |
| 11:35 - 11:40 | Incidence of knee dislocation and concomitant vascular injury requiring surgery - a nationwide study
<i>FP28-2490</i> <i>Sillanpää P. (Finland), Kannus P., Niemi S., Rolf C., Felländer-Tsai Li, Mattila V.</i> | 5' |
| 11:40 - 11:45 | Risk factors for the development of heterotopic ossification after knee dislocation
<i>FP28-1304</i> <i>Whelan D. (Canada), Dold A., Trajkovski T., Chahal J.</i> | 5' |
| 11:45 - 11:50 | Staged management of knee dislocation in polytrauma injured patients
<i>FP28-1495</i> <i>Darabos N. (Croatia), Cuti T., Elabjer E., Matejic A.</i> | 5' |
| 11:50 - 12:00 | Discussion | |

ROOM: G 106 - 107

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:30 Free papers: Cartilage I

Moderation: Nakamura N. (Japan), Russo A. (Italy)

14:00 - 14:05 Do laterally wedged insoles and valgus knee braces unload the medial compartment of the knee in patients with osteoarthritis? Results of a RCT
FP21-1219 Duivenvoorden T. (Netherlands), van Raaij T., Brouwer R., Horemans H., Bos K., Bierma-Zeinstra Sita, Verhaar J., Reijnen M. 5'

14:05 - 14:10 Failures in matrix-assisted ACL: Analysis on 193 patients and systematic review
FP21-1423 Filardo G. (Italy), Andriolo L., Balboni Federica, Di Martino A., Di Matteo B., Marcacci M., Kon Elizaveta 5'

14:10 - 14:15 Is that possible to restore the pre-injury physical activity level after one-stage articular cartilage and anterior cruciate ligament reconstruction procedure
FP21-2387 Gudas R. (Lithuania), Siupsinskas L., Macijauskiene Jurate, Gudaite Agne 5'

14:15 - 14:20 Improved chondrogenic differentiation of human bone marrow-derived mesenchymal stem cells modified to overexpress TGF-beta via rAAV-mediated gene transfer
FP21-1350 Cucchiariini Madry Magali (Germany), Venkatesan J., Frisch Janina, Schmitt Gertrud, Kohn D., Madry H. 5'

14:20 - 14:30 Discussion

14:30 - 14:35 First clinical experience with a single surgery, autologous cell based technology for cartilage repair combining primary chondrocytes with bone marrow cells on a PEGT/PBT scaffold copolymer scaffold
FP21-1661 Widuchowski W. (Poland), Verdonk P., Snow M., Weiss W., Kruczyński J., Hendriks Jeanine, Guidoux J., Slynarski K. 5'

14:35 - 14:40 Treatment of extra large osteochondral lesions with combined osseous subchondral reconstruction and autologous chondrocytes implantation: A review of 2 years results
FP21-1832 Goyal D. (India), Goyal Anjali 5'

14:40 - 14:45 Clinical outcome in the donor site of osteochondral grafts from the healthy knee
FP21-1243 Nakagawa Y. (Japan), Mukai S., Setoguchi Y., Goto T., Furukawa T., Okudaira S. 5'

Timetables

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Posters

ROOM: G 106 - 107

Free papers: Cartilage I

continued

14:45 - 14:50	Survival rates after different autologous chondrocyte implantation grafts and concomitant procedures. A preliminary report from a single-center over 15 years	
FP21-2476	<i>Drobnic M. (Slovenia), Martincic D., Strazar K., Merkac J., Radosavljevic D.</i>	5'
14:50 - 15:00	Discussion	
15:00 - 15:05	Diagnostic value of outerbridge and ICRS classifications for arthroscopic grading of chondral lesions in the knee	
FP21-1253	<i>Tuca Maria Jesus (Chile), Figueroa D., Calvo R., Nuñez M., Etcheagaray F.</i>	5'
15:05 - 15:10	Patello-femoral cartilage damage: Patients with grade 4 chondral defects of the patella have increased disability	
FP21-2324	<i>Briggs Karen, Rodkey W. (USA), Steadman R.</i>	5'
15:10 - 15:15	Homologous platelet-rich plasma versus hyaluronic acid intra-articular injection as treatment for knee osteoarthritis of elderly patients	
FP21-2183	<i>Bottegoni C. (Italy), Dei Giudici L., Busilacchi A., Chiurazzi E., Bencivenga R., Gigante A.</i>	5'
15:15 - 15:20	Microfracture technique versus osteochondral autologous transplantation mosaicplasty in patients with articular chondral lesions of the knee. A prospective randomized trial with long-term follow-up	
FP21-1682	<i>Ulstain S. (Norway), Aroen A., Røtterud J., Engebretsen L., Heir S.</i>	5'
15:20 - 15:30	Discussion	

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

ROOM: G 106-107**16:30 - 17:30 FAA & NAF Symposium: Different technique of ACL reconstruction (SB, DB, AM, tran tibial, all inside) techniques and results***Moderation: Järvelä T. (Finland), Dimmen S. (Norway)***16:30 - 16:40** How can an ACL register make a difference? (NORWAY)NSY17-6037 *Engelbrechtsen L. (Norway)*

10'

16:40 - 16:50 Hamstring tendon versus patellar tendon graft in primary ACL reconstruction (NORWAY)NSY17-6038 *Drogset J. (Norway)*

10'

16:50 - 17:00 Anatomic single bundle ACL reconstruction with interference screw fixation (FINLAND)NSY17-6040 *Suomalainen P. (Finland)*

10'

17:00 - 17:10 ACL reconstruction with semitendinosus autograft. 2 years follow-up results of a technique with no fixation in the graft itself (FINLAND)NSY17-6041 *Harilainen A. (Finland)*

10'

17:10 - 17:20 Anatomic double bundle ACL reconstruction (FINLAND)NSY17-6042 *Järvelä T. (Finland)*

10'

17:20 - 17:30 Impact of cartilage lesions on patient-reported outcome after ACL reconstruction (NORWAY)NSY17-6039 *Røtterud J. (Norway)*

10'

Timetables

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Posters

ROOM: G 106-107

17:30 - 18:30 **Indications and technique for osteotomy of the knee**

Moderation: Denti M. (Italy), van Heerwaarden R. (Netherlands)

17:30 - 17:40 Osteotomy planning: lessons learned from digital planning

SY35-7049

Wilson A. (United Kingdom)

10'

17:40 - 17:50 Osteotomy accuracy: lessons learned from our database

SY35-7050

Jervidal T. (Norway)

10'

17:50 - 18:00 High tibial osteotomies for sports injuries around the knee

SY35-7051

Denti M. (Italy)

10'

18:00 - 18:10 Distal femoral valgus osteotomy

SY35-7052

van der Woude J-T. (Netherlands)

10'

18:10 - 18:20 Mini-invasive approaches for osteotomies around the knee

SY35-7053

Kley K. (Germany)

10'

18:20 - 18:30 Discussion

18:30 - 19:30 **Poster Happy Hour II**

Forum Lounge, Ruby Lounge, Onyx Lounge

ROOM: EMERALD

09:00 - 10:00 **Neuromuscular electrical stimulation (NMES) as an adjunctive treatment modality in the rehabilitation of patients with ACL injury and repair** 60'
PT25-9147
 Moderation: Felmet G. (Germany), Klos B. (Netherlands), van Vliet H. (Switzerland)

10:30 - 10:45 **Keynote lecture**
 Moderation: Williams A. (United Kingdom)

10:30 - 10:45 What is necessary to be a good soccer team doctor 15'
KN17-9050 Ernlund L. (Brazil)

10:45 - 11:30 **Free papers: Sport specific injuries**
 Moderation: Mayr H. (Germany), Canata G. (Italy)

10:45 - 10:50 The swimmer's shoulder caused by suprascapular neuropathy. Results after arthroscopic treatment 5'
FP12-2192 Lopez Vidriero E. (Spain), Lopez-Vidiero Rosa, Toledo M., Ballesteros J., Arriaza R.

10:50 - 10:55 Running style characteristics in previously injured and non-injured runners: A retrospective, case-control study 5'
FP12-1676 Mann R. (Luxembourg), Malisoux L., Nührenbörger C., Urhausen A., Meijer K., Theisen D.

10:55 - 11:00 Adolescent shoulder injuries in rugby 5'
FP12-2384 Hodhody Ghazal (United Kingdom), Mackenzie Tanya, Funk L.

11:00 - 11:05 Jumping accelerometric study of elite handball female athletes with or without anterior cruciate ligament reconstruction 5'
FP12-1529 Setuain-Chorraut I. (Spain), Millor Nora, Gorostiaga E., Alfaro-Adrián J., Izquierdo M.

11:05 - 11:10 Kinematic analysis of handball-specific side-cutting manoeuvre: Influence of pelvic rotation on the kinematics of the knee and hip joint 5'
FP12-2053 Falcoz E. (France), Guegan C., Mathieu L., Rémy-Néris O.

11:10 - 11:15 Upper extremity motion in the overhand pitch: Evaluation of tenodesis and repair for SLAP tears 5'
FP12-1753 Saccomanno Maristella Francesca (Italy), Chalmers P., Cip J., Wimmer M., Cole B., Verma N., Romeo A.

11:15 - 11:30 Discussion

Timetables

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Posters

ROOM: EMERALD

11:30 - 12:00 **Free papers: Return to play**

Moderation: van Cingel R. (Netherlands), De Carli A. (Italy)

11:30 - 11:35 Development and evaluation of a new seated heel-rise test to evaluate function during the early stages of rehabilitation after an acute Achilles tendon rupture
FP19-1587 Brorsson Annelie (Sweden), Olsson N., Eriksson B., Karlsson J., Nilsson-Helander Katarina, Gravare Silbernagel Karin 5'

11:35 - 11:40 Pre-operative intra articular hip injection as a predictor of short term outcome following arthroscopic management of femoroacetabular impingement: A prospective pilot cohort study
FP19-1364 Ayeni O. (Canada), Farrokhyar Forough, Crouch Sarah, Chan K., Sprague Sheila, Bhandari M. 5'

11:40 - 11:45 Restoration of neuromuscular control during the pitch after operative treatment of SLAP tears
FP19-1754 Saccomanno Maristella Francesca (Italy), Chalmers P., Cip J., Wimmer M., Cole B., Verma N., Romeo A. 5'

11:45 - 11:50 Driving ability with a knee brace depends on the type of brace
FP19-1237 Liebensteiner M. (Austria), Dammerer D., Giesinger J., Biedermann R., Haid C., Krismer M. 5'

11:50 - 12:00 Discussion

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 15:30 **PT symposium: Shoulder injuries**

Moderation: van Cingel R. (Netherlands), Witvrouw E. (Qatar)

14:00 - 14:15 Rehabilitation of patients with multidirectional shoulder instability
PT15-8079 Jaggi Anju (United Kingdom) 15'

14:15 - 14:30 Rehabilitation of frozen shoulder from a physical therapy perspective
PT15-8080 Franck R. (Switzerland) 15'

14:30 - 14:45 Accelerated rehabilitation post stabilisation surgery: risks and benefits?
PT15-8081 Gibson Jo (United Kingdom) 15'

14:45 - 15:00 Prevention of recurrent injuries in overhead athletes
PT15-8082 Cools Ann M. (Belgium) 15'

ROOM: EMERALD			
	PT symposium: Shoulder injuries <i>continued</i>		
15:00 - 15:15	The adolescent overhead athlete and sport specific adaptation, strength training and specific pathology <i>PT15-8083 Johansson F. (Belgium)</i>	15'	
15:15 - 15:30	Discussion		
15:30 - 16:00 Coffee break, visit industrial & E-poster exhibition			
16:30 - 18:30 PT symposium: Return to sport <i>Moderation: Werner Suzanne (Sweden), Della Villa S. (Italy)</i>			
16:30 - 16:45	Football specific ACL rehabilitation: from injury to return to play <i>PT16-8084 Della Villa S. (Italy)</i>	15'	
16:45 - 17:00	Motor learning rehabilitation strategies after ACL reconstruction in order to return to sport <i>PT16-8085 Gokeler A. (Netherlands)</i>	15'	
17:00 - 17:15	Quantity versus quality and the consequences of returning-to-sports after ACL reconstruction <i>PT16-8086 Engelen-van Melick Nicky (Netherlands)</i>	15'	
17:15 - 17:30	Return to sport after ACL reconstruction – the Aspetar approach <i>PT16-8087 Witvrouw E. (Qatar)</i>	15'	
17:30 - 17:45	Return to play criteria of overhead athletes <i>PT16-8088 Heidvall Ewa (Sweden)</i>	15'	
17:45 - 18:00	The importance of mental readiness before considering return to sport after injury <i>PT16-8089 Tranaeus Ulrika (Sweden)</i>	15'	
18:00 - 18:15	The use of Video Art to improve the rehabilitation after ACL reconstruction <i>PT16-8090 Zaffagnini S. (Italy), Russo Rebecca Luciana (Italy)</i>	15'	
18:15 - 18:30	Discussion		
18:30 - 19:30 Poster Happy Hour II Forum Lounge, Ruby Lounge, Onyx Lounge			

Timetables

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ROOM: AUDITORIUM

07:30 - 08:55 **ICL 09: How to address multi-ligament injuries?**

Moderation: Marx R. (USA), Adravanti P. (Italy)

07:30 - 07:42 Initial management of the dislocated knee

ICL09-5051

Whelan D. (Canada)

12'

07:42 - 07:54 PCL management in the multiligament injured knee

ICL09-5052

Adravanti P. (Italy)

12'

07:54 - 08:06 Lateral side injuries

ICL09-5053

Wulff Jakobsen B. (Denmark)

12'

08:06 - 08:18 Medial side injuries

ICL09-5054

Marx R. (USA)

12'

08:18 - 08:30 Multiligament injuries in elite athletes

ICL09-5055

Williams A. (United Kingdom)

12'

08:30 - 08:55 Discussion

9:00 - 09:30 **Ejnar Eriksson lecture**

Moderation: Seil R. (Luxembourg)

09:00 - 09:30 Meniscal surgery from past to future

IL15-9005

Verdonk R. (Belgium)

30'

9:30 - 10:00 **Social lecture**

Moderation: van Dijk C. (Netherlands)

09:30 - 10:00 It's all about Mentelity

IL17-9149

Bibian Mentel, a six-time Dutch national champion in half-pipe and snowboard cross, was well on her way to qualifying for the 2002 Salt Lake City Winter Olympic Games when her life changed dramatically... Our surgical intervention is just the start of a chain of events taking a lot of endurance of the athlete and surroundings. This story is on thinking in possibilities instead of impossibilities, in looking ahead instead of back. Cry for a few days and then wake up and focus on your future. Leave the past behind and go for whatever dreams you have. Focus on what is still possible. It's all about Mentelity.

30'

ROOM: AUDITORIUM

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

10:30 - 12:00 **Return to sport following knee surgery (meniscus, cartilage, ligaments, osteotomy and prosthesis) orthopaedic and PT view – does it match? [?]**
Moderation: Maestro A. (Spain), Werner Suzanne (Sweden)

10:30 - 10:42 **ACL**
 SY17-5021 *van Cingel R. (Netherlands), Jones H. (Portugal)* 12'

10:42 - 10:54 **Cartilage transplant**
 SY17-5022 *Verdonk R. (Belgium), van Assche D. (Belgium)* 12'

10:54 - 11:06 **Meniscus surgery**
 SY17-5023 *Seil R. (Luxembourg), Werner Suzanne (Sweden)* 12'

11:06 - 11:18 **PCL**
 SY17-5024 *d'Hooghe P. (Qatar), Mikkelsen Christina (Sweden)* 12'

11:18 - 11:30 **Meniscus transplant**
 SY17-5025 *Monllau J. (Spain), Zanobbi M. (United Kingdom)* 12'

11:30 - 11:42 **Patellar realignment**
 SY17-5026 *Denti M. (Italy), Snyder-Mackler Lynn (USA)* 12'

11:42 - 11:59 **Discussion**

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:30 - 15:30 **Diagnosis and treatment of the dislocated knee**
Moderation: Margheritini F. (Italy), Benedetto K. (Austria)

14:30 - 14:42 **Acute knee dislocation with associated neurovascular injury: the North American Protocol**
 SY18-4065 *Harner C. (USA)* 12'

14:42 - 14:54 **Acute knee dislocation with associated neurovascular injury: the European Protocol**
 SY18-4066 *Benedetto K. (Austria)* 12'

14:54 - 15:06 **Acute knee dislocation without concomitant neurovascular pathology: approach, timing and surgical technique**
 SY18-4067 *Engebreetsen L. (Norway)* 12'

15:06 - 15:18 **Complex chronic knee instability without neurovascular deficit: indication for treatment**
 SY18-4068 *Margheritini F. (Italy)* 12'

15:18 - 15:30 **Discussion**

Timetables

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ROOM: AUDITORIUM

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

16:00 - 17:00 **Extra articular tenodesis (all different techniques in extra articular tenodesis)**

Moderation: Klos B. (Netherlands), Neyret P. (France)

16:00 - 16:08 Anatomy and essential structures

SY25-6068

Claes S. (Belgium)

8'

16:08 - 16:16 Long term outcome of extra articular combined procedures

SY25-6073

Verdonk P. (Belgium)

8'

16:16 - 16:24 Biomechanics of extraarticular injury and reconstruction relating to rotational instability?

SY25-6069

Amis A. (United Kingdom)

8'

16:24 - 16:32 Indications and results of extra articular reconstructions

SY25-6070

Neyret P. (France)

8'

16:32 - 16:40 Minimal invasive extra articular reconstruction

SY25-6071

Colombet P. (France)

8'

16:40 - 16:48 Lessons from history of extra articular reconstruction

SY25-6072

Klos B. (Netherlands)

8'

16:48 - 17:00 Discussion

ROOM: FORUM				
	07:30 - 08:55	ICL 07: Planning a primary TKA <i>Moderation: Perka C. (Germany), Montserrat F. (Spain)</i>		
	07:30 - 07:42	Planning with CAS <i>ICL07-8008 Catani F. (Italy)</i>	12'	Timetables
	07:42 - 07:54	Planning with PSI <i>ICL07-8009 Koch P. (Switzerland)</i>	12'	
	07:54 - 08:06	Planning with conventional radiograms <i>ICL07-8009 Franz A. (Germany)</i>	12'	
	08:06 - 08:18	Planning and release steps of the valgus knee <i>ICL07-8010 Baldini A. (Italy)</i>	12'	Wednesday
	08:18 - 08:30	Planning and release steps of the varus knee <i>ICL07-8011 Barrett D. (United Kingdom)</i>	12'	
	08:30 - 08:55	Discussion		
	10:00 - 10:30	Coffee break, visit industrial & E-poster exhibition		Thursday
	10:30 - 11:15	Osteotomy versus UNI <i>Moderation: Fuchs-Winkelmann Susanne (Germany), Bonnin M. (France)</i>		
	10:30 - 10:40	HTO versus uni in medial compartment osteoarthritis: indication, results and sport possibilities <i>SY29-8052 Fuchs-Winkelmann Susanne (Germany)</i>	10'	Friday
	10:40 - 10:50	Femoral osteotomy in lateral compartment osteoarthritis <i>SY29-8053 van Heerwaarden R. (Netherlands)</i>	10'	
	10:50 - 11:00	Closing wedge osteotomy in lateral compartment osteoarthritis <i>SY29-8054 Fayard J. (France)</i>	10'	
	11:00 - 11:10	Lateral unis: results and specificities <i>SY29-8055 Bonnin M. (France)</i>	10'	Saturday
	11:10 - 11:15	Discussion		
	11:15 - 12:00	Live surgical demonstration (EKA) <i>Moderation: Victor J. (Belgium)</i>		
	11:15 - 12:00	Medial uni compartmental knee arthroplasty featuring microplasty instruments <i>LS13-9034 Surgeon: Dodd C. (United Kingdom)</i>	45'	Posters

ROOM: FORUM

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:30 **Live surgical demonstration (ESSKA)**

Moderation: Djian P. (France)

14:00 - 14:30 **ACL all-inside and antero-lateral ligament reconstruction**

LS14-9086

Surgeons: Claes S. (Belgium), Wilson A. (United Kingdom)

30'

14:30 - 15:30 **Free papers: EKA I**

Moderation: Salreta J. (Portugal), Pfitzner T. (Germany)

14:30 - 14:35 **Should we aim at under-correction when performing a TKA?**

FP08-1191

Luyckx T. (Belgium), Vanhoorebeeck F., Schafroth M.

5'

14:35 - 14:40 **Final outcome differs from preoperative planning using patient specific instruments in total knee arthroplasty**

FP08-1840

Indelli P. (Italy), Causero A., Catani F., Castelli C., Bassini F., Violante B.

5'

14:40 - 14:45 **Alpine skiing with total knee arthroplasty. Activity of the quadriceps femoris muscle during alpine skiing with total knee arthroplasty in comparison to control subjects**

FP08-2277

Friedli Simone Rahel (Switzerland), Schreiber Nora, Lange Annika, Friedrich Lena, Goepfert B., Meyer P.

5'

14:45 - 14:50 **Positive outcome bias in the total joint arthroplasty literature**

FP08-1247

van Eck Carola (USA), Checn Antonia, Yates A.

5'

14:50 - 15:00 **Discussion**

10

ROOM: FORUM			
	Free papers: EKA I <i>continued</i>		
15:00 - 15:05	FP08-1514 Carpentier K. (Belgium), Cavaignac E.	Cadaveric study of the role of the deep medial collateral ligament in the knee rotational stability	5'
15:05 - 15:10	FP08-2163 Hunt Nicola (United Kingdom), Ghosh K., Blain A., Longstaff L., Rushton S., Deehan D.	Effect of iatrogenic popliteus tendon injury on mid-high flexion laxity in the replaced knee	5'
15:10 - 15:15	FP08-2130 Demey G. (France), De Simone V., Lustig S., Magnussen R., Servien Elvire, Neyret P.	Does iatrogenic popliteus tendon injury during total knee arthroplasty impact laxity?	5'
15:15 - 15:20	FP08-2538 Bruni D. (Italy)	Does total knee arthroplasty modify flexion axis of the knee on frontal and axial plane regardless from limb alignment?	5'
15:20 - 15:30	Discussion		
15:30 - 16:00	Coffee break, visit industrial & E-poster exhibition		
16:00 - 17:00	Case discussion (EKA): Learning from our mistakes in UKA and TKA  Moderation: Schiavone Panni A. (Italy), Montserrat F. (Spain)		
16:00 - 16:15	CD15-9135 Mayr H. (Germany)	A common reason for early loosening of the tibial component at TKA	15'
16:15 - 16:30	CD15-9135 Pfitzner T. (Germany)	Primary is not equal primary – Case of a complicated posttraumatic, postinfectious primary TKA	15'
16:30 - 16:45	CD15-9135 Benazzo F. (Italy)	Primary TKA in post-traumatic knee: Planning and execution	15'
16:45 - 17:00	CD15-9135 Vandenuecker Hilde (Belgium)	How morbid obesity can transform a simple pathology into a nightmare	15'

Timetables

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Posters

ROOM: E 104-107

07:30 - 08:55 **ICL 08: Shoulder pathology in sports**

Moderation: Funk L. (United Kingdom), Poberaj B. (Slovenia)

07:30 - 07:40 Mechanics of throwing

ICL08-6002 *D'hondt N. (Netherlands)*

10'

07:40 - 07:50 Handball injuries

ICL08-6003 *Ludvigsen T. (Norway)*

10'

07:50 - 08:00 Shoulder injuries in soccer

ICL08-6004 *Funk L. (United Kingdom)*

10'

08:00 - 08:10 The swimmers shoulder

ICL08-6005 *Zurita N. (Spain)*

10'

08:10 - 08:20 Pec major ruptures

ICL08-6006 *Monga P. (United Kingdom)*

10'

08:20 - 08:30 Clavicle fractures in sports

ICL08-6007 *Kaminen S. (USA)*

10'

08:30 - 08:40 Sport specific rehabilitation

ICL08-6008 *Gibson Jo (United Kingdom)*

10'

08:40 - 08:55 Discussion

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

10:30 - 11:15 **Shoulder arthroplasty**

Moderation: Gleyze P. (France), Milano G. (Italy)

10:30 - 10:37 Surgical approach and SSC management

SY04-5068 *Monga P. (United Kingdom)*

7'

10:37 - 10:44 Resurfacing prosthesis

SY04-5069 *Gomes N. (Portugal)*

7'

10:44 - 10:51 Stemless prosthesis

SY04-5070 *Toussaint B. (France)*

7'

10:51 - 10:58 Fracture hemiarthroplasty

SY04-5071 *Kovac L. (Slovenia)*

7'

ROOM: E 104-107**Shoulder arthroplasty***continued*

10:58 - 11:06	Neck angulation, glenoid components and biomechanics, state of the art SY04-5072 Gleyze P. (France)	8'
11:06 - 11:13	New concepts in reverse prosthesis SY04-5073 Joudet T. (France)	7'
11:13 - 11:20	Revision surgery after reverse prosthesis SY04-5074 Petroff E. (France)	7'
11:20 - 11:30	Discussion	

11:30 - 12:00 Free papers: Shoulder IV (Instability)*Moderation: Wade R. (India), Lopez Vidriero E. (Spain)*

11:30 - 11:35	Biomechanical consequences of coracoclavicular reconstruction techniques on clavicle strength FP24-1885 Spiegl U. (Germany), Smith S., Euler S., Dornan G., Wijdicks C., Millett P.	5'
11:35 - 11:40	Validation of a clinical test for subtle posterior instability of the shoulder FP24-2386 Funk L. (United Kingdom), Boulter T., Mackenzie Tanya	5'
11:40 - 11:45	Arthroscopic bankart repair in young rugby players: Short and long term results FP24-1827 Calvisi V. (Italy), Manco Annalisa, Paglia A., Goderecci R., Venditti G.	5'
11:45 - 11:50	High recurrence of instability in adolescents playing contact sports after arthroscopic shoulder stabilisation FP24-2397 Nixon M. (United Kingdom), Keenan O., Funk L.	5'
11:50 - 12:00	Discussion	

12:00 - 14:00 Lunch break & industry workshops (details see p. 194 - 202)

Timetables

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Posters

ROOM: E 104-107

14:00 - 14:30 **Free papers: Patellofemoral III**

Moderation: Donell S. (United Kingdom), Feller J. (Australia)

14:00 - 14:05 Effects of a dynamic patella re-alignment brace on disease-determining parameters in patellofemoral instability

FP37-1876

Becher C. (Germany), Schumacher T., Fleischer B., Ettinger M., Ostermeier S.

5'

14:05 - 14:10 Iatrogenic medial patellar instability. An avoidable injury

FP37-1638

Sanchis-Alfonso V. (Spain), Montesinos-Berry E., Monllau J., Merchant A.

5'

14:10 - 14:15 First time patellofemoral dislocation:
Risk factors for recurrent instability

FP37-1634

Dahm Diane (USA), McIntosh Amy, Lewallen Laura

5'

14:15 - 14:20 Injury pattern of first episode patellar dislocation in children and adolescents

FP37-1251

Tuca Maria Jesus (Chile), Olmedo C., Nuñez M., Figueroa D., Calvo R.

5'

14:20 - 14:30 Discussion

14:30 - 15:30 **Case discussion (ESA): AC-Joint**

Moderation: Bak K. (Denmark), Mihelic R. (Croatia)

14:30 - 14:42 Case I

CD16-9088

Kovacic L. (Slovenia)

12'

14:42 - 14:54 Case II

CD16-9089

Mihelic R. (Croatia)

12'

14:54 - 15:06 Case III

CD16-9090

Funk L. (United Kingdom)

12'

15:06 - 15:18 Case IV

CD16-9091

Bak K. Denmark

12'

15:30 - 16:00 **Coffee break, visit industrial & E-poster exhibition**

ROOM: E 104-107

16:00 - 16:30 Free papers: Shoulder III (Mixed)

Moderation: Huijsmans P. (Netherlands), Miniaci A. (USA)

16:00 - 16:05 A specific exercise strategy for patients with subacromial pain significantly reduced the need for surgery: One-year results of a randomized controlled trial
 FP14-1814 Holmgren Theresa (Sweden), Björnsson Hallgren Hanna, Öberg Birgitta, Johansson Kajsa, Adolfsson L. 5'

16:05 - 16:10 Association between scapula bony morphology and snapping scapula syndrome
 FP14-1958 Spiegl U. (Germany), Smith S., Horan Marilee, Millett P. 5'

16:10 - 16:15 Feasibility and effects of transcatheter arterial embolization for adhesive capsulitis refractory to non-surgical management
 FP14-2187 Okuno Y. (Japan) 5'

16:15 - 16:20 L-shaped arthroscopic posterior capsular release in frozen shoulder
 FP14-1470 Morsy M. (Egypt), Jerosch J. 5'

16:20 - 16:25 Evidence for minimal invasive therapies in the management of chronic calcific tendinopathy of the rotator cuff: A systematic review and meta-analysis
 FP14-1267 Louwerens J. (Netherlands), Sierevelt Inger, van Noort A., van den Bekerom M. 5'

16:25 - 16:30 Discussion

16:30 - 17:00 Free papers: Shoulder V

Moderation: Franceschi F. (Italy), Taverna E. (Italy)

16:30 - 16:35 Tear pattern and myotendinous retraction measured on MRI as predictive factors of retear after arthroscopic rotator cuff repair
 FP25-1835 Miyatake K. (Japan), Takeda Y., Fujii K. 5'

16:35 - 16:40 Factors associated with sensitivity and specificity of 3T MRI for the detection of subscapularis tears
 FP25-1868 Ho C. (USA), Horan Marilee, Warth R., Millett P. 5'

16:40 - 16:45 The clinical results of arthroscopic Bankart repair with double anchor footprint fixation (DAFF) technique: The study of recurrent cases
 FP25-2054 Mizuno Naoko (Japan), Yoneda M., Ozaki R. 5'

16:45 - 16:50 Arthroscopic augmentation with subscapularis tendon in patients with recurrent anterior shoulder instability
 FP25-1477 Maiotti M. (Italy), Massoni C., Marchese F. 5'

16:50 - 17:00 Discussion

Timetables

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Posters

ROOM: G 102-103

10:30 - 11:30 **Patellofemoral pain: A global approach**

Moderation: Arendt Elizabeth (USA), Sillanpää P. (Finland)

10:30 - 10:32 Introduction

SY23-4087 *Sillanpää P. (Finland)*

2'

10:32 - 10:40 Where does the pain come from - what does the literature tell us?

SY23-4087 *Sanchis-Alfonso V. (Spain)*

8'

10:40 - 10:48 How to make diagnosis of PF pain, not instability

SY23-4088 *Sillanpää P. (Finland)*

8'

10:48 - 10:56 Biomechanical background for pain

SY23-4089 *Lippacher Sabine (Germany)*

8'

10:56 - 11:04 Tendinopathy around the patella

SY23-4090 *Bahr R. (Norway)*

8'

11:04 - 11:12 Strategies for treatment for PF pain

SY23-4091 *Arendt Elizabeth (USA)*

8'

11:12 - 11:16 Putting it all together

SY23-7029 *Arendt Elizabeth (USA)*

4'

11:30 - 12:00 **Free papers: Patellofemoral I**

Moderation: Servien Elvire (France), Schiavone Panni A. (Italy)

11:30 - 11:35 The TT-TG Index

FP16-2445 *Mauch F. (Germany), Hingelbaum S., Best R., Wagner D., Bauer G.*

5'

11:35 - 11:40 Statistical shape analysis of trochlear dysplasia

FP16-2507 *Verdonk P. (Belgium), Van Haver Annemieke, De Beule M., Claessens T., Audenaert E.*

5'

11:40 - 11:45 The tilt of the distal patella tendon insertion (TPTI) in patients with lateral patella dislocation - a retrospective validation of a new tilt measurement with MR imaging

FP16-2414 *Scheurecker G. (Austria), Seitzlinger G., Fürntrath F., Högl R., Hofmann S.*

5'

11:45 - 11:50 Banff patellar instability instrument - responsiveness to change at 24 months post patellar stabilization

FP16-1628 *Hiemstra Laurie (Canada), Kerslake Sarah, Lafave M., Buchko G., Heard S.*

5'

11:50 - 12:00 Discussion

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

ROOM: G 102-103				
	14:00 - 14:30	Free Papers: Meniscus III <i>Moderation: Cugat R. (Spain), Amendola N. (USA)</i>		
	14:00 - 14:05	Shift in knee weightbearing line is associated with compartment of meniscus injury <i>FP38-2318 Briggs Karen (USA), Dorman G., Matheny Lauren, Hartline B., Steadman R..</i>	5'	
	14:05 - 14:10	Meniscus allograft transplantation: A comparison of medial and lateral procedures <i>FP38-2112 Yoon K. (South Korea (ROK)), Lee S., Park K., Chung K., Tak D.</i>	5'	
	14:10 - 14:15	Quantitative analysis of meniscus size and position of patients after athroscopic meniscus allograft transplantation <i>FP38-1848 Dirisamer F. (Austria), Patsch C., Hochreiter J., Blöcker Katja</i>	5'	
	14:15 - 14:20	Meniscus transplantation in an athletic population: Results of 49 cases with a minimum 2-year follow-up <i>FP38-2195 Stone K. (USA), Pelsis J., Surrette S., Walgenbach Ann, Turek T.</i>	5'	
	14:20 - 14:30	Discussion		
	14:30 - 15:30	Free papers: Ligament III <i>Moderation: Stärke C. (Germany), Thomas N. (United Kingdom)</i>		
	14:30 - 14:35	Side-to-side differences in anterior cruciate ligament insertion site area and location assessed using a three-dimensional laser scanner <i>FP09-1921 Araki D. (USA), Thorhauer E., Fu F., Tashman S.</i>	5'	
	14:35 - 14:40	Altered tibiofemoral kinematics in the affected knee and compensatory changes in the contralateral knee following anterior cruciate ligament reconstruction <i>FP09-1890 Hofbauer M. (Austria), Thorhauer E., Abebe E., Fu F., Tashman S.</i>	5'	
	14:40 - 14:45	In vivo kinematic alterations of the ACL deficient knee – 3D assessment <i>FP09-1776 Shabani B. (Kosovo), Bytyqi Dafina, Lustig S., Cheze Laurence, Bytyqi C., Neyret P.</i>	5'	
	14:45 - 14:50	The effect of compressive loading on anterior translation in intact and anterior cruciate ligament-deficient knees <i>FP09-1800 Kim J. (South Korea (ROK)), Bae T., Lee S., Jang K., Lim H., Ahn J., Wang J.</i>	5'	
	14:50 - 15:00	Discussion		
	15:00 - 15:05	Stress distribution at the aperture of the femoral tunnel in the anatomic ACL reconstruction <i>FP09-1651 Hoshino Y. (Japan), Kuroda R., Nishizawa Y., Nagai K., Nakano N., Kawaguchi S., Nagamune K., Kurosaka M.</i>	5'	

Timetables

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Posters

SCIENTIFIC PROGRAMME

FRIDAY, 16 MAY 2014

ROOM: G 102-103

14:30 - 15:30 Free papers: Ligament III

Moderation: Strke C. (Germany), Thomas N. (United Kingdom)

15:05 - 15:10 The use of different technologies to quantify the pivot shift test: A multicenter study comparing the examination while awake and under anesthesia
FP09-1949 Ohashi B. (USA), Lopomo N., Samuelsson K., Hoshino Y., Irrgang J., Musahl V., Pivot Study Group T. 5'

15:10 - 15:15 Superficial MCL injury: Evaluation of medial joint laxity and the effect of a novel double row repair
FP09-1335 Whelan D. (Canada), MacDonald P., Litchfield R., Randle J., Hughes S., Leiter J., Sasyniuk T. 5'

15:15 - 15:20 Non-invasive assessment of pivot-shift test in ACL injury with triaxial accelerometer KiRA
FP09-1606 Berruto M. (Italy), Uboldi F., Ferrua P., Usellini E. 5'

15:20 - 15:30 Discussion

15:30 - 16:00 Coffee break, visit industrial & E-poster exhibition

16:00 - 17:00 ASTAOR & UASTKA Symposium: RC tear, from partial to massive - arthroscopic approach

Moderation: Korolev A. (Russian Federation), Kostrub O. (Ukraine)

16:00 - 16:07 Partial RC tear – to repare or not?
NSY15-8044 Dokolin S. (Russian Federation) 7'

16:07 - 16:14 Treatment of rotator cuff calcifications
NSY15-8045 Blonskyi R. (Ukraine) 7'

16:14 - 16:21 RC tear in shoulder instability
NSY15-8046 Khasanshin M. (Russian Federation) 7'

16:21 - 16:28 Long biceps tendon rupture – athroscopic treatment
NSY15-8047 Kostrub O. (Ukraine) 7'

16:28 - 16:35 Single-row rotator cuff fixation
NSY15-8048 Kostrub O. (Ukraine) 7'

16:35 - 16:42 Double-row RC suture
NSY15-8049 Akhpashev A. (Russian Federation) 7'

16:42 - 16:49 Pulley injury of the shoulder
NSY15-8050 Zazirnyi I. (Ukraine) 7'

16:49 - 16:56 Cuff arthropathy after massive RC tear – arthroscopic treatment
NSY15-8051 Korolev A. (Russian Federation) 7'

16:56 - 17:00 Discussion

ROOM: G 104-105			
07:30 - 08:55	ICL 10: 3D anatomy vs. arthroscopy vs. navigation <i>Moderation: Zaffagnini S. (Italy), Golano P. (USA), Camillieri G. (Italy)</i>		
07:30 - 07:55	Anatomy of ACL, PCL and MPFL <i>ICL10-6074 Golano P. (USA)</i>		25'
07:55 - 08:20	Arthroscopic visualization of ACL, PCL, and MPFL and diagnosis <i>ICL10-6075 Camillieri G. (Italy)</i>		25'
08:20 - 08:45	Computer functional and biomechanical consideration on ACL, PCL and MPFL <i>ICL10-6076 Zaffagnini S. (Italy)</i>		25'
08:45 - 08:55	Discussion		
10:00 - 10:30	Coffee break, visit industrial & E-poster exhibition		
10:30 - 10:45	Keynote lecture <i>Moderation: Harner C. (USA)</i>		
10:30 - 10:45	Long term F. U. complex ligament knee surgery <i>KN21-9053 Marcacci M. (Italy)</i>		15'
10:45 - 11:45	SIGASCOT & SIA Symposium: How to treat cartilage lesion of shoulder, elbow, hip, knee, and ankle <i>Moderation: Adravanti P. (Italy), Franceschi F. (Italy)</i>		
10:45 - 10:53	New trends in cells therapy (SIA) <i>NSY16-6025 Rocco P. (Italy)</i>		8'
10:53 - 11:01	Cells: Reliable option for treatment of chondral lesions for human joints? (SIGASCOT) <i>NSY16-6026 Manunta A. (Italy)</i>		8'
11:01 - 11:09	Chondral damage and treatment choices in shoulder (SIA) <i>NSY16-6027 Franceschi F. (Italy)</i>		8'
11:09 - 11:17	Treatment options for chondral lesions of PF joint (SIGASCOT) <i>NSY16-6028 Berruto M. (Italy)</i>		8'
11:17 - 11:25	Treatment options or hip chondral defects (SIA) <i>NSY16-6029 Zini R. (Italy)</i>		8'
11:25 - 11:33	Treatment of osteochondral lesions of the ankle: options and results (SIGASCOT) <i>NSY16-6030 Cavallo M. (Italy)</i>		8'
11:33 - 11:44	Discussion		

ROOM: G 104-105

11:45 - 12:00 **Keynote lecture**

Moderation: Reis R. (Portugal)

11:45 - 12:00 Future of biomaterials

KN19-9051 Tampieri Anna (Italy)

15'

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:30 **Free Papers: ACL**

Moderation: Hantes M. (Greece), Williams A. (United Kingdom)

14:00 - 14:05 Quantitative analysis of patella harvest site after harvest of quadriceps tendon graft with bone plug

FP39-1870 Ferrer G. (USA), Miller M., Murawski C., Tashman S., Irrgang J., Musahl V., Fu F., Debski R.

5'

14:05 - 14:10 Medial vs. lateral hamstring muscle activation patterns in female athletes during the triple crossover hop test for distance after ACL reconstruction

FP39-1430 Briem Kristin (Iceland), Ragnarsdottir Arna Mekkin, Arnason S.

5'

14:10 - 14:15 ACL grafts and revision rates. A study based on 45 998 primary ACL reconstructions in Scandinavia

FP39-1778 Gifstad Tone (Norway), Foss O., Engebretsen L., Lind M., Forssblad M., Drogset J.

5'

14:15 - 14:20 Does ACL patients suffer from other medical conditions (comorbidities) and does it affect the risk of ACL revision? A nationwide population-based cohort study of 13.443 ACL reconstructed patients

FP39-2113 Rahr-Wagner Lene (Denmark), Thillemann T., Lind M., Pedersen Alma

5'

14:20 - 14:30 Discussion

ROOM: G 104-105			
14:30 - 15:30	The role of stem cells and surgery in cartilage defects (combined with ICRS) <i>Moderation: Nakamura N. (Japan), Erggelet C. (Switzerland)</i>		
14:30 - 14:42 SY02-6089	Biologic rationale <i>Madry H. (Germany)</i>	12'	
14:42 - 14:54 SY02-6090	Clinical application of stem cells <i>Kon Elizaveta (Italy)</i>	12'	
14:54 - 15:06 SY02-6091	Allogenic MSC's <i>Saris D. (Netherlands)</i>	12'	
15:06 - 15:18 SY02-6092	Future development <i>Nakamura N. (Japan)</i>	12'	
15:18 - 15:30	Discussion		
15:30 - 16:00 Coffee break, visit industrial & E-poster exhibition			
16:00 - 17:00	SEROD & AEA Symposium: Non metal treatment of early osteoarthritis <i>Moderation: Maestro A. (Spain), Monllau J. (Spain)</i>		
16:00 - 16:07 NSY12-7011	Orthopaedic and physiotherapeutic options <i>Castellet Feliu E. (Spain)</i>	7'	
16:07 - 16:14 NSY12-7012	Biologic resources (Viscosupplementation, PRP, stem cells) <i>Soler Romagosa F. (Spain)</i>	7'	
16:14 - 16:21 NSY12-7013	Biologic resources (Cartilage transplant) <i>Cuellar Gutierrez R. (Spain)</i>	7'	
16:21 - 16:28 NSY12-7014	Arthroscopic non invasive treatment <i>Leyes M. (Spain)</i>	7'	
16:28 - 16:35 NSY12-7015	The role of osteotomy <i>Hinarejos P. (Spain)</i>	7'	
16:35 - 16:42 NSY12-7016	Combined osteochondral and meniscus trasplantation <i>Gelber Ghertner P. (Spain)</i>	7'	
16:42 - 17:00	Discussion		

Timetables

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Posters

ROOM: G 106-107

07:30 - 08:55 **ICL 11: Subchondral bone and reason for surgery**

Moderation: Madry H. (Germany), Goyal D. (India)

07:30 - 07:47	Subchondral bone: Healthy soil for the healthy plant <i>ICL11-5031 Goyal D. (India)</i>	17'
07:47 - 08:04	Pathological alterations of the subchondral bone in cartilage repair <i>ICL11-5029 Madry H. (Germany)</i>	17'
08:04 - 08:21	Epidemiology and imaging of the subchondral bone <i>ICL11-5028 Menetrey J. (Switzerland)</i>	17'
08:21 - 08:38	Biomimetic scaffolds for osteochondral regeneration in the knee <i>ICL11-5030 Kon Elizaveta (Italy)</i>	17'
08:38 - 08:55	How to treat subchondral bone pathologies in the ankle joint <i>ICL11-5032 van Dijk C. (Netherlands)</i>	17'

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

10:30 - 11:30 **BASK Symposium: Specialist knee training in the UK**

Moderation: Donell S. (United Kingdom)

10:30 - 10:35	Introduction <i>NSY11-7082 Donell S. (United Kingdom)</i>	5'
10:35 - 10:40	Simulated operating <i>NSY11-7083 Price A. (United Kingdom)</i>	5'
10:40 - 10:48	The role of simulation in arthroscopic training <i>NSY11-7084 Rees J. (United Kingdom)</i>	8'
10:48 - 10:56	Skills acquisition in knee arthroscopy – how many do you need to do? <i>NSY11-7085 Alvand A. (United Kingdom)</i>	8'
10:56 - 11:04	Training opportunities in knee arthroscopy – Is simulation the answer? <i>NSY11-7086 Akhtar K. (United Kingdom)</i>	8'
11:04 - 11:12	Knee syllabus for specialist training <i>NSY11-7087 Turner P. (United Kingdom)</i>	8'
11:12 - 11:20	Mastership in knee surgery <i>NSY11-7088 Donell S. (United Kingdom)</i>	8'
11:20 - 11:30	Discussion	

One System – many Options



Graftline, the new designed instrument and implant system from Richard Wolf is the versatile basis for all requirements of modern ACL/PCL reconstruction, applicable for Hamstring, Quadriceps- as well as Patella Tendon Grafts.



graftline

Instrument and implant system for arthroscopic
reconstruction of the cruciate ligaments

ROOM: G 106-107

11:30 - 12:00 **Free papers: Basic science II**

Moderation: Maffulli N. (United Kingdom), Imhoff A. (Germany)

11:30 - 11:35 Non-autologous transplantation of human UCB-derived MSCs for enhancement of tendon-graft osteointegration in a rabbit model of ACL reconstruction

FP23-1963 Jang K. (South Korea (ROK)), Wang J., Moon S., Park S., Lim H.

5'

11:35 - 11:40 Biomechanical evaluation of MPFL Reconstructions: Differences in dynamic contact pressure between gracilis and fascia lata graft

FP23-1906 Lorbach O. (Germany), Haupt A., Kohn D., Anagnostakos K.

5'

11:40 - 11:45 Rotational and translational stability of different methods for direct acromioclavicular-ligaments repair in anatomic acromioclavicular-joint reconstructions

FP23-1647 Beitzel K. (Germany), Obopilwe E., Cote M., Russell R., Apostolakis J., Charette R., Imhoff A., Mazzocca A.

5'

11:45 - 11:50 Tensile properties of the transitional zone between the meniscus and its horn attachment

FP23-1575 Freutel Maren (Germany), Seitz A. (Germany), Scholz Natalie, Ignatius Anita, Dürselen L.

5'

11:50 - 12:00 Discussion

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194-202)**

ROOM: G 106-107**14:30 - 15:30 Meniscal transplants: Questions and answers***Moderation: Spalding T. (United Kingdom), Verdonk R. (Belgium)***14:30 - 14:40 Why should I do it?**

SY33-7089

Neyret P. (France)

10'

14:40 - 14:50 When should I do it?

SY33-7090

Spalding T. (United Kingdom)

10'

14:50 - 15:00 How to do it?

SY33-7091

Monllau J. (Spain)

10'

15:00 - 15:10 What happens afterwards?

SY33-7092

Verdonk P. (Belgium)

10'

15:10 - 15:20 What else is there?

SY33-7093

Condello V. (Italy)

10'

15:20 - 15:30 Any other questions?

SY33-7094

Verdonk P. (Belgium)

10'

15:30 - 16:00 Coffee break, visit industrial & E-poster exhibition**16:00 - 17:00 Treatment of knee-injuries in kids and adolescents***Moderation: Engebretsen L. (Norway), Seil R. (Luxembourg)***16:00 - 16:10 Introduction**

SY08-5056

Engebretsen L. (Norway), Seil R. (Luxembourg)

10'

16:10 - 16:20 Functional and radiological outcomes following a non-operative treatment algorithm

SY08-5057

Moksnes H. (Norway)

10'

16:20 - 16:30 Surgical techniques in pediatric ACL treatment

SY08-5058

Siebold R. (Germany)

10'

16:30 - 16:40 Pediatric anterior cruciate ligament monitoring initiative survey – PAMI

SY08-5059

Moksnes H. (Norway)

10'

16:40 - 16:50 Complication potential

SY08-5060

Seil R. (Luxembourg)

10'

16:50 - 17:00 Discussion

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ROOM: EMERALD

07:30 - 08:55 **ICL 12: Arthroscopic simulation in skills training: European initiatives**

Moderation: Tuijthof Gabrielle (Netherlands), Karahan M. (Turkey)

07:30 - 07:40	Obstacles faced in the classical training system; why is there a need for newer systems?	
ICL12-4012	Lobenhoffer P. (Germany)	10'

07:40 - 07:50	What skills should simulation training in arthroscopy teach residents? Results of a survey	
ICL12-4013	Swen J. (Netherlands)	10'

07:50 - 08:00	Available training methods (non computer): Basic arthroscopy course based on motor skill training	
ICL12-4014	Akgun U. (Turkey)	10'

08:00 - 08:10	New techniques for computer-based simulation in arthroscopic training	
ICL12-4015	Sherman K. (United Kingdom)	10'

08:10 - 08:20	Lab-based, computerized and OR training: do we assess objectively?	
ICL12-5061	Khan T. (United Kingdom), Alvand A. (United Kingdom)	10'

08:20 - 08:30	Face and construct validity of 5 arthroscopic knee simulators	
ICL12-4011	Tuijthof Gabrielle (Netherlands)	10'

08:30 - 08:40	Industry involvement in teaching	
ICL12-4010	Karahan M. (Turkey)	10'

08:40 - 08:55	Discussion	
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ROOM: EMERALD

09:00 - 10:00 **Neuromuscular electrical stimulation (NMES) as an adjunctive treatment modality in post-op shoulder rehabilitation. Clinical case introduction / demonstration.**

PT26-9148

60'

Moderation: Klos B. (Netherlands), van Vliet H. (Switzerland)

10:00 - 10:30 **Coffee break, visit industrial & E-poster exhibition**

10:30 - 12:00 **PT symposium: children and sport**

Moderation: Cools Ann (Netherlands), Moksnes H. (Norway)

10:30 - 10:45 Health screening for growing individuals at elite level

PT18-8091 Johnson Mandy (Qatar)

15'

10:45 - 11:00 Knee injuries in children – injury panorama and the cause injury

PT18-8092 Janarv P. (Sweden)

15'

11:00 - 11:15 Treatment and rehabilitation of children with ACL injuries

PT18-8093 Moksnes H. (Norway)

15'

11:15 - 11:30 Back injuries in the young athlete

PT18-8094 Harringe Marita (Sweden)

15'

11:30 - 11:45 Knee injury osteoarthritis outcome score for children

PT18-8095 Roos Ewa (Denmark)

15'

11:45 - 12:00 Discussion

12:00 - 14:00 **Lunch break & industry workshops (details see p. 194 - 202)**

14:00 - 14:30 **PT Keynote lecture**

Moderation: Werner Suzanne (Sweden), van Cingel R. (Netherlands)

14:00 - 14:30 Controversies in the management of the athlete with acute ACL injury

PT24-9044 Snyder-Mackler Lynn (USA)

30'

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ROOM: EMERALD

14:30 - 15:30 **FORTE resident programme: Ankle**

Moderation: Karlsson J. (Sweden), Vide J. (Portugal)

14:30 - 14:50 Debridement and drilling vs chondrocyte transplant
 RP12-9028 *van Dijk C. (Netherlands), Vannini Francesca (Italy)* 20'

14:50 - 15:10 Open vs scopic achilles tendon release
 RP12-9029 *van Sterkenburg Maayke (Netherlands), Longo U. (Italy)* 20'

15:10 - 15:30 Open vs scopic ankle arthrodesis
 RP12-9030 *Kerkhoffs G. (Netherlands), Ogut T. (Turkey)* 20'

15:30 - 16:30 **FORTE resident programme: Knee**

Moderation: Marcheggiani Muccioli G. (Italy), Hussein M. (Slovenia)

15:30 - 15:45 Posterolateral corner reconstruction
 RP11-9024 *LaPrade R. (USA)* 15'

15:45 - 16:00 Mini battle: Meniscus repair vs resection
 RP11-9025 *Beaufils P. (France), Verdonk P. (Belgium)* 15'

16:00 - 16:15 Patellar instability, MPFL, VMO, osteotomy (mini battle, MPFL vs Osteotomy?)
 RP11-9026 *Kader D. (United Kingdom)* 15'

16:15 - 16:30 Mini battle: Partial knee replacement vs total knee
 RP11-9027 *Murray D. (United Kingdom), van Geenen R. (Netherlands)* 15'

16:30 - 17:00 **FORTE resident programme: Shoulder**

Moderation: Huri G. (USA), Lansdaal J. (Netherlands)

16:30 - 17:00 Cuff tear: mini battle open vs scopic repair
 RP13-9032 *Huijsmans P. (Netherlands), van der List M. (Netherlands)* 30'

ROOM: E102			
07:30 - 09:45	OSR I: Upper limb and head injury <i>Moderation: Hantes M. (Greece), Randelli P. (Italy)</i>		
07:30 - 07:50	Elbow OSR11-7031	Hantes M. (Greece)	20'
07:50 - 08:10	Shoulder OSR11-7030	Randelli P. (Italy)	20'
08:10 - 08:30	Forearm, wrist and hand OSR11-7032	Gelber Ghertner P. (Spain)	20'
08:30 - 08:45	C-spine, including on field assessment OSR11-7033	Havlas V. (United Kingdom)	15'
08:45 - 09:00	Head injury, including on field assessment OSR11-7034	Carmont M. (United Kingdom)	15'
09:00 - 09:10	What I have learned from treating professional sportsmen OSR11-9015	Williams A. (United Kingdom)	10'
09:10 - 09:40	Discussion		
10:00 - 12:00	OSR II: Lower limb and spine <i>Moderation: Menetrey J. (Switzerland), Scheffler S. (Germany)</i>		
10:00 - 10:20	Hip and groin pain OSR12-7035	Baron D. (United Kingdom)	20'
10:20 - 10:40	Knee OSR12-7036	Denti M. (Italy)	20'
10:40 - 11:00	Ankle and foot OSR12-7037	Carmont M. (United Kingdom)	20'
11:00 - 11:15	L-spine and sacro-iliac joint OSR12-7038	Russo A. (Italy)	15'
11:15 - 11:30	Muscle injuries OSR12-7039	Jain N. (Canada)	15'
11:30 - 12:00	Discussion		
12:00 - 13:40	Lunch break & industry workshops (details see p. 194 - 202)		

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ROOM: E102

13:40 - 15:30 **OSR III: Upper limb**

Moderation: Seil R. (Luxembourg), Randelli P. (Italy)

13:40 - 13:50	Anterior shoulder instability – Non OP vs OP and open vs arthroscopic OSR13-7040 Longo U. (Italy)	10'
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13:50 - 14:00	Rotator cuff tear in the sportman – conservative vs arthroscopic OSR13-7041 Lorbach O. (Germany)	10'
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14:00 - 14:10	Clavicle fracture – Non OP vs OP OSR13-7042 Kecojevic V. (Serbia)	10'
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14:10 - 14:20	Acromio-clavicular joint injury – Non OP vs OP OSR13-7043 Darabos N. (Croatia)	10'
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14:20 - 14:35	Discussion	
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14:35 - 14:45	Tennis elbow – physio vs injection vs shock therapy vs OP OSR13-7044 Trigueiros M. (Portugal)	10'
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14:45 - 14:55	TFCC – Indications for surgery, techniques and outcomes OSR13-7045 Arrigoni P. (Italy)	10'
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14:55 - 15:05	Tendinopathy – Rest vs Physio vs PRP vs ESWT vs OP OSR13-7047 Maffulli N. (United Kingdom)	10'
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15:05 - 15:15	Hot topic – (PRP and stem cells) current evidence for use? OSR13-7048 Pereira H. (Portugal)	10'
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15:15 - 15:30	Discussion	
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ROOM: E102**15:30 - 17:30 OSR IV: Lower limb***Moderation: Karahan M. (Turkey), Randelli P. (Italy)*

15:30 - 15:40 Femoro-acetabular impingement – when to operate and surgical outcomes
OSR14-7054 Karahan M. (Turkey) 10'

15:40 - 15:50 Knee osteochondral defect – microfracture vs OATS vs ACI/MACI
vs Allograft and it is realistic to return to play?
OSR14-7079 Hulet C. (France) 10'

15:50 - 16:00 Knee ACL – immediate vs delayed / single or double bundle /
hamstrings or patellar tendon in sports population
OSR14-7056 Siebold R. (Germany) 10'

16:00 - 16:10 Knee MCL – non OP (including injection/steroid/PRP/bracing regime)
vs OP (current indications)
OSR14-7077 Rossi R. (Italy) 10'

16:10 - 16:30 Discussion

16:30 - 16:40 Hamstrings & quadriceps muscle injuries – including tendon ruptures
OSR14-7055 Kerkhoffs G. (Netherlands), Reurink G. (Netherlands) 10'

16:40 - 16:50 Knee meniscal tear – repair or reset?
Implications to sportman both long and short term
OSR14-7078 Verdonk P. (Belgium) 10'

16:50 - 17:00 Ankle sprain and syndesmosis – Non OP vs OP
OSR14-7080 Spennacchio P. (Italy) 10'

17:00 - 17:10 Plantar fasciitis – physio vs ESWT vs injection vs OP
OSR14-7081 Compagnoni R. (Italy) 10'

17:10 - 17:30 Discussion

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ROOM: AUDITORIUM

09:00 - 09:45 ESSKA's Awards Presentation

Moderation: Denti M. (Italy), Randelli P. (Italy)

Theo van Rens Best Paper Award

Best Poster Awards

Porto Award for Innovation in Arthroscopy

Alwin Jäger Best Video Award

Award for Best Paper in Ligament and Biomechanics

Young Researcher Award

KSSTA Best Paper Award

Basic Scientist Travel Grants

09:45 - 10:15 Highlight lecture

Moderation: Denti M. (Italy)

09:45 - 10:15 The actual role of tissue engineering and its future applications

IL18-9006

Reis R. (Portugal)

30'

10:15 - 10:30 Presentation: ESSKA 2016 in Barcelona

Monllau J. (Spain)

15'

10:30 - 11:00 Coffee break, visit industrial & E-poster exhibition

ROOM: AUDITORIUM			
11:00 - 12:00	Advances in biology and mechanics of rotator cuff tears <i>Moderation: Milano G. (Italy), Lorbach O. (Germany)</i>		
11:00 - 11:10	Biology and biomechanics of rotator cuff repair: the role of in-vivo animal studies SY36-7024	Baums M. (Germany)	10'
11:10 - 11:20	Rotator cuff repair technique: What is the biomechanical evidence? SY36-7025	Lorbach O. (Germany)	10'
11:20 - 11:30	Tendon augmentation grafts in rotator cuff repair: Current concepts SY36-7026	Carr A. (United Kingdom)	10'
11:30 - 11:40	Rotator cuff repair and growth factors: Are we really doing better? SY36-7027	Pauly S. (Germany)	10'
11:40 - 11:50	Cell therapy: The new frontier to enhance rotator cuff healing SY36-7028	Milano G. (Italy)	10'
11:50 - 12:00	Discussion		
12:00 - 13:00	SFA Symposium: Partial ACL tears <i>Moderation: Pujol N. (France), Colombet P. (France)</i>		
12:00 - 12:10	Introduction, diagnosis, natural evolution NSY19-6097	Pujol N. (France)	10'
12:10 - 12:20	Technical tips and tricks for a partial ACL reconstruction NSY19-6098	Graveleau N. (France)	10'
12:20 - 12:30	Retrospective study NSY19-6099	Djian P. (France)	10'
12:30 - 12:45	Prospective randomized Study NSY19-7000	Colombet P. (France)	15'
12:45 - 12:55	Histologic study of the ACL remnant NSY19-7001	Sonnery-Cottet B. (France)	10'
12:55 - 13:00	Conclusions, guidelines NSY19-7002	Pujol N. (France)	10'

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ROOM: FORUM

07:30 - 08:55 **ICL 13: Medial patello femoral ligament reconstructions** 

Moderation: Koeter S. (Netherlands), Fink C. (Austria)

07:30 - 07:40 MPFL - Anatomy and biomechanics

ICL13-6014 *Amis A. (United Kingdom)*

10'

07:40 - 07:50 Indications for isolated MPFL reconstruction

ICL13-6015 *Arendt Elizabeth (USA)*

10'

07:50 - 08:00 Different reconstruction techniques and its biomechanical background

ICL13-6016 *Herbort M. (Germany)*

10'

08:00 - 08:20 MPFL reconstruction techniques:

1. Hamstrings – static fixation
2. Hamstrings – dynamic fixation
3. Quadriceps tendon

ICL13-6017 *Schöttle P. (Germany), Koeter S. (Netherlands), Goyal D. (India)*

20'

08:20 - 08:30 MPFL after TKA

ICL13-6018 *Wymenga A. (Netherlands)*

10'

08:30 - 08:40 The failed MPFL reconstruction – causes and revision strategies

ICL13-6019 *Dejour D. (France)*

10'

08:40 - 08:55 Discussion

ROOM: FORUM			
11:00 - 12:00	Patellofemoral instability: A surgical approach <i>Moderation: Dejour D. (France), Feller J. (Australia)</i>		
11:00 - 11:10	Soft tissue procedure – MPFL: What is the best choice - bone on bone or soft attachment? SY24-4093 <i>Arendt Elizabeth (USA), Erasmus P. (South Africa)</i>	10'	Timetables
11:10 - 11:20	Soft tissue procedure – MPFL: What is the best graft choice - layer or tubular? SY24-4094 <i>Fink C. (Austria)</i>	10'	
11:20 - 11:26	Bony procedures – TT osteotomy: is medialization/anteriorization still an indication? SY24-4095 <i>Feller J. (Australia)</i>	6'	
11:26 - 11:32	Bony procedures – TT osteotomy: Distalization new proposal for indication? SY24-4096 <i>Dejour D. (France)</i>	6'	Wednesday
11:32 - 11:38	Bony procedures – Trochleoplasty: Deepening why? SY24-4097 <i>Koch P. (Switzerland)</i>	6'	Thursday
11:38 - 12:00	Discussion		
12:00 - 13:00	Osteoarthritis - from basic science to molecular therapy <i>Moderation: Madry H. (Germany), Cucchiariini Madry Magali (Germany)</i>		
12:00 - 12:08	The basic science of early osteoarthritis SY44-9016 <i>Madry H. (Germany)</i>	8'	Friday
12:08 - 12:16	Biomarkers in osteoarthritis SY44-9018 <i>Pereira H. (Portugal)</i>	8'	
12:16 - 12:24	Reconstructive surgical options for early osteoarthritis SY44-9019 <i>Kon Elizaveta (Italy)</i>	8'	
12:24 - 12:32	Osteotomy and stem cells to treat osteoarthritis SY44-9017 <i>Hui H. (Singapore)</i>	8'	Saturday
12:32 - 12:40	Mesenchymal stromal cell transplantation to regenerate articular cartilage using a magnetic cell delivery system SY44-9020 <i>Ochi M. (Japan)</i>	8'	
12:40 - 12:48	Molecular therapy of osteoarthritis SY44-9021 <i>Cucchiariini Madry Magali (Germany)</i>	8'	
12:48 - 13:00	Discussion		Posters

ROOM: E 104-107

07:30 - 08:55 **ICL 14: Management of failed traumatic anterior instability repair**

Moderation: Charousset C. (France), Cartucho A. (Portugal)

07:30 - 07:35	Introduction	
ICL14-7004	Charousset C. (France)	5'
07:35 - 07:47	Failure of the analysis at first repair	
ICL14-7005	Cartucho A. (Portugal)	12'
07:47 - 07:59	What to do after the recurrence	
ICL14-7006	Calvo E. (Spain)	12'
07:59 - 08:23	Arthroscopic management of failed bankart procedure: a. with bone block procedure b. with Latarjet procedure	
ICL14-7007	Taverna E. (Italy), Leuzinger J. (Switzerland)	24'
08:23 - 08:35	Management of failed latarjet procedure	
ICL14-7008	Charousset C. (France)	12'
08:35 - 08:47	Management of multioperated patients	
ICL14-7009	Neyton L. (France)	12'
08:47 - 08:50	Conclusion	
ICL14-7010	Cartucho A. (Portugal)	3'
08:50 - 08:55	Discussion	

ROOM: E 104-107

11:00 - 12:00	Hip arthroscopy part 2 (Advanced): Snapping hips and peri-articular pathologies 	
	<i>Moderation: Bonin N. (France), Randelli F. (Italy)</i>	
11:00 - 11:10	Deep gluteal space pathology and sciatic nerve entrapment	
SY22-4083	<i>Sadri H. (Switzerland)</i>	10'
11:10 - 11:20	Snapping Psoas: when and how to operate – intra articular or endoscopic technique?	
SY22-4081	<i>Bonin N. (France)</i>	10'
11:20 - 11:30	Trochanteric bursitis external snapping hip and abductor pathologies	
SY22-4082	<i>Randelli F. (Italy)</i>	10'
11:30 - 11:40	Periarticular impingement: AILS, Ischiofemoral impingement	
SY22-4084	<i>Ayeni O. (Canada)</i>	10'
11:40 - 11:50	Ligament teres pathology and impingement	
SY22-4086	<i>Khanduja V. (United Kingdom)</i>	10'
11:50 - 12:00	Discussion	

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ROOM: E 104-107

12:00 - 13:00 **PTTS & BOTA Symposium: Soft tissue endoscopy**

Moderation: Smigielski R. (Poland), Asparouhov A. (Bulgaria)

12:00 - 12:07	Endoscopic approach to Osgood-Schlatter diseases	
NSY20-9059	Smigielski R. (Poland)	7'

12:07 - 12:14	Endoscopic approach to Baker cyst excision	
NSY20-9060	Zaorski P. (Poland)	7'

12:14 - 12:21	Endoscopic approach to chronic anterior compartment syndrome in runners	
NSY20-9061	Zdanowicz Urszula (Poland)	7'

12:21 - 12:28	Endoscopic nerve releases around shoulder	
NSY20-9062	Brzoska R. (Poland)	7'

12:28 - 12:35	Endoscopic procedure for tenodesis of the long head biceps tendon in acute laesions of sportsman's shoulder	
NSY20-9063	Vassilev I. (Bulgaria)	7'

12:35 - 12:42	Endoscopic carpal tunnel release using the single proximal incision technique - aretrospective study of complications and surgical experience in 500 cases	
NSY20-9064	Asparouhov A. (Bulgaria)	7'

12:42 - 12:49	Endoscopic calcaneoplasty for Haglund's deformity and retrocalcaneal bursitis	
NSY20-9065	Asparouhov A. (Bulgaria)	7'

12:49 - 13:00	Discussion	
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ROOM: G 102-103

07:30 - 08:55 **ICL 15: Hip arthroscopy (Part 1, basics): From access to repair in femoro acetabular impingement**

Moderation: Bonin N. (France), Sadri H. (Switzerland)

07:30 - 07:40	Get into the joint = 3 ways to manage the capsule: 1. How to make an easy extra capsular approach	10'
ICL15-4032	<i>Laude F. (France)</i>	

07:40 - 07:50	Get into the joint = 3 ways to manage the capsule: 2. How to make an easy peripheral compartment approach	10'
ICL15-5016	<i>Said H. (Egypt)</i>	

07:50 - 08:00	Get into the joint = 3 ways to manage the capsule: 3. How to make an easy central compartment approach	10'
ICL15-5015	<i>Philippon M. (USA)</i>	

08:00 - 08:10	How to manage the cam?	10'
ICL15-4033	<i>Bonin N. (France)</i>	

08:10 - 08:20	How to manage the pincer?	10'
ICL15-4034	<i>Bajwa A. (United Kingdom)</i>	

08:20 - 08:30	How to manage the labrum?	10'
ICL15-4035	<i>Dienst M. (Germany)</i>	

08:30 - 08:40	How to manage the cartilage?	10'
ICL15-4036	<i>Sadri H. (Switzerland)</i>	

08:40 - 08:50	How to manage the postoperative rehabilitation?	10'
ICL15-4037	<i>Kerangueven J. (France)</i>	

08:50 - 08:55	Discussion	
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ROOM: G 102-103

11:00 - 12:00 **ESSKA guidelines for PRP use**

Moderation: Filardo G. (Italy), Dragoo J. (USA)

11:00 - 11:10 PRP: what's in a name? Biological rational and product differences

SY34-5004

Dragoo J. (USA)

10'

11:10 - 11:20 PRP to augment surgical procedures, which indications?

SY34-5005

Cugat R. (Spain)

10'

11:20 - 11:30 PRP for the treatment of muscle lesions: when and how?

SY34-5006

Zanon G. (Italy)

10'

11:30 - 11:40 PRP for the treatment of tendon lesions: different applications, different results?

SY34-5007

Randelli P. (Italy)

10'

11:40 - 11:50 PRP for cartilage lesions: from biological rational to clinical evidence

SY34-5008

Filardo G. (Italy)

10'

11:50 - 12:00 Discussion

ROOM: G 102-103

12:00 - 13:00 Free papers: Cartilage III

Moderation: Erggelet C. (Switzerland)

12:00 - 12:05 Improvement of osteochondral scaffold fixation:
Mechanical stability evaluation in a human cadaver knee model
FP33-1708 Filardo G. (Italy), Perdisa F., Drobnic M., Ravnik D., Kon Elizaveta, Marcacci M. 5'

12:05 - 12:10 The effect of platelet rich plasma and hyaluronic acid on
autologous osteochondral transplantation: an in vivo rabbit model
FP33-2467 Smyth N. (USA), Ross K., Haleem A., Hannon C., Murawski C., Do Huong, Kennedy J. 5'

12:10 - 12:15 Effect of platelet rich plasma and hyaluronic acid on chondrogenic
differentiation of human mesenchymal stem cells
FP33-1284 Figueroa D. (Chile), Espinosa Ipinza M., Calvo R., Leon A., Bruna Flavia, Conget Paulette 5'

12:15 - 12:20 Systemic administration of PTH [1-34] induces early osteoarthritic
changes correlating with an increased thickness of the calcified cartilage
and enhanced bone mineral density of the subarticular spongiosa
FP33-1311 Orth P. (Germany), Cucchiariini Madry Magali, Wagenpfeil S., Menger M., Kohn D., Madry H. 5'

12:20 - 12:30 Discussion

12:30 - 12:35 A novel collagen-hydroxyapatite substitute for osteochondral repair:
A large animal study
FP33-1686 Sosio C. (Italy), Di Giancamillo A., Deponti Daniela, Gervaso Francesca, Melato M., Peretti G. 5'

12:35 - 12:40 Cell-free cartilage engineering approach using hyaluronic
acid-policaprolactone scaffold: A study in a rabbit model
FP33-1612 Torres-Claramunt R. (Spain), Martínez-Díaz S., Cruz-Sánchez M., García-Giralt Natalia, Monllau J. 5'

12:40 - 12:45 Minced umbilical cord fragments as an effective cell source for
cartilage and bone tissue engineering. An in vitro tridimensional study
FP33-1880 Marmotti A. (Italy), Mattia Silvia, Bonasia D., Bruzzone M., Castoldi F., Dettoni F., Rossi R., Peretti G. 5'

12:45 - 12:50 Injectable cultured bone marrow derived mesenchymal stem cells in
varus knees with cartilage defects undergoing high tibial osteotomy:
A prospective, randomized controlled clinical trial with 2 years follow up
FP33-2283 Hui H. (Singapore), Wong K., Lee K., Tai Bee Choo, Law P., Lee E. 5'

12:50 - 13:00 Discussion

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ROOM: G 104-105

07:30 - 08:55 **ICL 16: How to share guidelines in daily practice on: Meniscus repair, degenerate meniscal lesion, meniscectomy**
Moderation: Beaufils P. (France), Englund M. (Sweden)

07:30 - 07:45 Guidelines. What is it? A European survey
ICL16-6049 Beaufils P. (France) 15'

07:45 - 08:00 What is a traumatic meniscal lesion?
ICL16-6050 Pereira H. (Portugal) 15'

08:00 - 08:15 Guidelines on meniscal repair
ICL16-6051 Pujol N. (France) 15'

08:15 - 08:30 Aetiology of degenerative meniscus tear and its consequences
ICL16-6052 Englund M. (Sweden) 15'

08:30 - 08:45 Treatment of degenerative meniscus tear – current concepts and evidence
ICL16-6053 Järvinen T. (Finland) 15'

08:45 - 08:55 Discussion

11:00 - 12:00 **GOTS & Croatian society for sports medicine & SAT & SFTS Symposium: Muscle Injuries: what is new, what is true; Muscle trauma; recurrent injury; effect of status on outcome**
Moderation: Darabos N. (Croatia), Thoreux Patricia (France), Valderrabano V. (Switzerland), Mihelic R. (Croatia)

11:00 - 11:10 Ultrasonography in the appreciation of the degree of the muscular lesion and time of recovery
NSY18-7020 Guillodo Y. (France) 10'

11:10 - 11:20 MRI diagnostics in muscle injuries
NSY18-7019 Mauch F. (Germany) 10'

11:20 - 11:30 The strategy of muscular injuries treatment and their complications
NSY18-7021 Brozicevic V. (Croatia) 10'

11:30 - 11:40 Treatment of acute and chronic muscle injuries in elite athletes
NSY18-7023 Grim C. (Germany) 10'

11:40 - 11:50 PRP in the treatment of muscular lesions (SFTS)
NSY18-7018 Bouvard M. (France) 10'

11:50 - 12:00 Treatment of muscle injuries with ACP
NSY18-7022 Darabos N. (Croatia) 10'

ROOM: G 104-105**12:00 - 13:00 ACL registry symposium (Norway, Denmark, Sweden)***Moderation: Forssblad M. (Sweden), Engebretsen L. (Norway)*

12:00 - 12:08 Introduction – Scandinavian ACL registers and important Swedish findings
SY28-5042 Forssblad M. (Sweden) 8'

12:08 - 12:18 Outcomes after ACL reconstruction with focus on older patients
SY28-5043 Samuelsson K. (Sweden) 10'

12:18 - 12:28 ACL reconstruction with cartilage and meniscus injuries
SY28-5044 Engebretsen L. (Norway) 10'

12:28 - 12:40 Effect of cohort studies on ACL reconstruction: my experience with MOON
SY28-5045 Spindler K. (USA) 12'

12:40 - 12:50 Experiences from England about the new ACL register
SY28-5046 Spalding T. (United Kingdom) 10'

12:50 - 13:00 Discussion

Timetables

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Posters

ROOM: G 106-107

07:30 - 08:55 **ICL 17: Acute muscle injury**

Moderation: Servien Elvire (France), Kerkhoffs G. (Netherlands)

07:30 - 07:35 Introduction

ICL17-6077 *Kerkhoffs G. (Netherlands), Servien Elvire (France)*

5'

07:35 - 07:45 Terminology and classification of athletic muscle injuries

ICL17-6078 *Ueblicher P. (Germany)*

10'

07:45 - 07:55 Basic principles of muscle healing: new insights

ICL17-6079 *Menetrey J. (Switzerland)*

10'

07:55 - 08:05 Hamstring muscle injury

ICL17-6080 *Kerkhoffs G. (Netherlands)*

10'

08:05 - 08:15 Acute quadriceps muscle injuries

ICL17-6081 *LaPrade R. (USA)*

10'

08:15 - 08:25 Acute hip adductor muscle injuries

ICL17-6082 *Piontek T. (Poland)*

10'

08:25 - 08:35 Acute pectoralis major muscle injuries

ICL17-6083 *Servien Elvire (France)*

10'

08:35 - 08:55 Discussion

11:00 - 12:00 **Free papers: Muscle tendon**

Moderation: Buchmann S. (Germany), Menetrey J. (Switzerland)

11:00 - 11:05 Lentivirus mediated VEGF gene transfer enhances human muscle derived stem cells survival after transplantation in a strain-injury muscle model

FP32-1404 *Menetrey J. (Switzerland), Laumonier T., Hoffmeyer P.*

5'

11:05 - 11:10 Platelet-rich plasma in combination with TGF- β antagonist as novel therapeutic option for muscle repair after injury

FP32-1777 *Vogrin M. (Slovenia), Kelc R.*

5'

11:10 - 11:15 Transfer of FHL tendon for insertional achilles tendinopathy: A prospective, randomized study

FP32-2488 *Hunt K. (USA), Jones C., Davis H., Cohen B., Anderson R.*

5'

11:15 - 11:20 Change in cross-sectional area of the remaining tendinous tissue of patellar tendon after harvesting its central third – an ultrasonographic investigation

FP32-1392 *Kanamoto T. (Japan), Tanaka Y., Kita K., Amano H., Horibe S.*

5'

ROOM: G 106-107**Free papers: Muscle tendon***continued*

11:20 - 11:30 Discussion

11:30 - 11:35 The influence of postoperative dexamethasone application after surgical treatment of insertional achilles tendinopathy
 FP32-2237 Donner Stefanie (Germany), Müller Nena, Thermann H. 5'

11:35 - 11:40 Platelet rich plasma injection in chronic patella tendinitis: A double blind randomized controlled trial with cross over design
 FP32-1374 Ha J. (South Korea (ROK)) 5'

11:40 - 11:45 Use of platelet rich plasma in the management of acute hamstring muscle strain injury: A randomised controlled trial in Qatar
 FP32-1650 Tol H. (Netherlands), Hamilton B., Eirale C., Chalabi H. 5'

11:45 - 11:50 The impact of collagen and fibrocartilage regeneration in single- and double-row repair
 FP32-1061 Baums M. (Germany), Miosge N., Schultz W., Klinger H. 5'

11:50 - 12:00 Discussion

12:00 - 13:00 **Injury in female soccer player**
 Moderation: Servien Elvire (France), Jones H. (Portugal)

12:00 - 12:10 Ankle injury
 SY19-6020 Kerkhoffs G. (Netherlands) 10'

12:10 - 12:20 ACL injury
 SY19-6021 Servien Elvire (France) 10'

12:20 - 12:30 Role of hip adductors/abductors
 SY19-6022 Maestro A. (Spain) 10'

12:30 - 12:40 Strategy and prevention for footballers
 SY19-6023 Della Villa S. (Italy) 10'

12:40 - 12:50 Specific injuries and prevention developed with FIFA
 SY19-6024 Jones H. (Portugal) 10'

12:50 - 13:00 Discussion

Timetables

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ROOM: EMERALD

07:30 - 08:55 ICL 18: How to do proper research

Moderation: Musahl V. (USA), Samuelsson K. (Sweden)

07:30 - 07:45	Introduction: How to ask, plan and apply ICL18-4000 Musahl V. (USA)	15'
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07:45 - 08:00	How to do a proper biomechanical study ICL18-4001 Halewood Camilla (United Kingdom)	15'
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08:00 - 08:15	How to conduct a clinical trial ICL18-4002 Kopf S. (Germany)	15'
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08:15 - 08:30	How to prepare a systematic review ICL18-4003 Alentorn E. (Spain)	15'
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08:30 - 08:45	Overview on evidence based medicine ICL18-4004 Samuelsson K. (Sweden)	15'
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08:45 - 08:55	Discussion	
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11:00 - 13:00 National Society Award Winner Session

Moderation: Seil R. (Luxembourg), Denti M. (Italy)

11:00 - 11:05	The role of stem cells in cartilage repair (TUSYAD) AW12-7095 Kocabey Y. (Turkey), Basdemir Gulcin	5'
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11:05 - 11:10	Transplantation of adipose-derived mesenchymal stem cells for knee articular cartilage focal lesions (EAE) AW12-7046 Iosifidis M. (Greece), Kyriakidis T., Melas I., Kyriakidis A.	5'
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11:15 - 11:20	Autologous Matrix Induced Chondrogenesis with or without application of concentrated bone marrow aspirate (cBMA): a prospective randomized controlled trial at 24 months follow-up (SIGASCOT) AW12-8034 de Girolamo Laura (Italy), Schoenhuber H., Corrado B., Quaglia A., Cervellin M., Thiebat Gabriele, Volpi P.	5'
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11:20 - 11:25	Matrix applied characterised autologous cultured chondrocytes versus microfracture: Two-year follow up from a prospective randomized trial (NVA) AW12-8035 Tsuchida Anika (Netherlands), Price A., Brittberg M., Caron J., Emans P., Saris D.	5'
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11:25 - 11:30	Arthroscopic partial meniscectomy versus sham surgery for a degenerative meniscal tear (FAA) AW12-8036 Sihvonen R. (Finland), Paavola M., Malmivaara A., Itälä A., Joukainen A., Nurmi H., Kalske J., Järvinen T.	5'
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ROOM: EMERALD

National Society Award Winner Session

continued

11:30 - 11:35	What's going on with the long head of the biceps tenotomies that we have made more than 10 years ago? (AEA)	5'
AW12-8037	<i>Arroyo Hernandez Marta (Spain), Bravo Giménez Beatriz, García Lamas Lorena, Martín López C., Cano Egea J., Vila y Rico J.</i>	
11:35 - 11:40	Comparison of tendon repair and physiotherapy in the treatment of rotator cuff tears - a randomized study with 5 year follow-up (NAF)	5'
AW12-8038	<i>Moosmayer S. (Norway), Lund Gerty, Seljom U., Haldorson B., Svege Ida, Hennig T., Pripp A., Smith H.</i>	
11:40 - 11:45	Structural and biomechanical changes in shoulders of junior javelin throwers – A multimodal evaluation as a proof of concept for a preventive exercise protocol (AGA)	5'
AW12-8033	<i>Beitzel K. (Germany), Zandt Julia, Buchmann S., Beitzel Kirstin I., Schwirtz A., Imhoff A., Brucker P.</i>	
11:45 - 11:50	ACP in the treatment of muscular injuries (CSSM) Croatian Society of Sports Medicine – ACP in the treatment of muscular injuries	5'
AW12-8043	<i>Vrgoc G. (Croatia), Jankovic S.</i>	
11:50 - 11:55	Arthroscopy-assisted surgery for tibial plateau fractures – literature review and experience of service (SPAT)	5'
AW12-9023	<i>Neves J. (Portugal), Pessoa P., Ricardo Rita, Fachada N., Carvalho M., Araújo A., Batista Mafalda</i>	
11:55 - 12:00	Chondrocytes extract from patients with osteoarthritis induces chondrogenesis in infrapatellar fat pad-derived stem cells (SEROD)	5'
AW12-9035	<i>Gomez Palomo J. (Spain), López-Ruiz E., Perán M., Cobo-Molinos J., Jiménez G., Arrebola F., Marchal J., Montañez Heredia Elvira</i>	
12:00 - 12:05	Anterior cruciate ligament reconstruction and return to sport activity: postural control as the key to success (SIA)	5'
AW12-9036	<i>Papalia R. (Italy), Franceschi F., Tecame A., Maffulli N., Denaro V.</i>	
12:05 - 12:10	Improving the accuracy of unicompartmental knee arthroplasties: Robots vs patient specific instrumentation (BASK)	5'
AW12-9037	<i>Jaffry Zahra (United Kingdom), Masjedi M., Clarke Susannah, Harris S., Karia M., Barry A., Cobb J.</i>	

Timetables

Wednesday

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Posters

ROOM: EMERALD

National Society Award Winner Session

continued

12:10 - 12:15	Is immediate arthroscopic stabilization a good option in young athletes with first time anterior shoulder dislocation? Preliminary report of a prospective comparative study (SFA)	
AW12-9038	Uhrling J. (France), Rochet S., Rey P., Obert I.	5'
12:15 - 12:20	Effect of fatigue on hamstring reflex responses and posterior-anterior tibial translation in men and women (GOTS)	
AW12-9039	Behrens M. (Germany), Mau-Möller Anett	5'
12:20 - 12:25	Shoulder pain in capsulitis and impingement syndrome of the shoulder: diagnostic features (BAKAST)	
AW12-9066	Peresada A. (Belarus), Eismont O.	5'
12:25 - 12:30	Shoulder injuries and their treatment in young athletes (SES)	
AW12-9078	Medenica Ivica (Serbia)	5'
12:30 - 12:35	Evaluation of the effect of three different playing surfaces on knee loads (SFTS)	
AW12-9079	Dreville X. (France), Thoreux Patricia, Rouch P.	5'
12:35 - 12:40	Arthroscopy of the ankle – anterior vs posterior – comparison of results and complications (SPOT)	
AW12-9080	Barros A. (Portugal), Gonçalves S., Quintas Ines, Camacho A., Carvalho N., Caetano R., Corte-Real N.	5'
12:40 - 12:45	Evaluation of cartilage repair-validation study of four scoring systems (MAOT)	
AW12-9081	Mitev K. (Macedonia), Kaftandziev I.	5'
12:45 - 12:50	Arthroscopic treatment of damaged acetabular labrum in athletes (UASTKA)	
AW12-9083	Blonskyi R. (Ukraine), Kostrub O.	5'
12:50 - 12:55	The role of remplissage technique in arthroscopic anterior shoulder stabilization (BOTA)	
AW12-9085	Rusimov V. (Bulgaria)	5'

ROOM: E 102	
08:00 - 09:00	PT Workshop II: Functional performance tests for the upper extremity
09:00 - 10:00	Workshop repeated with identical content
PT20-8097	Functional performance tests after shoulder injuries for overhead athletes <i>Cools Ann M. (Belgium), Maenhout Annelies (Belgium)</i>
10:30 - 11:30	PT Workshop IV: Core stability
11:30 - 12:30	Workshop repeated with identical content
PT22-8099	Reliability for a battery of core stability tests <i>Habets B. (Netherlands)</i>
ROOM: E 103	
08:00 - 09:00	PT Workshop III: Hamstring injuries
09:00 - 10:00	Workshop repeated with identical content
PT21-8098	Rehabilitation and evaluation of athletes with hamstring injuries <i>Askling C. (Sweden)</i>
10:30 - 11:30	PT Workshop V: Gait analysis
11:30 - 12:30	Workshop repeated with identical content
PT23-9000	EMG and accelerometry as clinical measurement tools in physical therapy <i>Richards J. (United Kingdom)</i>
ROOM: G 109	
08:00 - 09:00	PT Workshop I: Functional performance tests for the lower extremity
09:00 - 10:00	Workshop repeated with identical content
PT19-8096	A combination of functional performance tests measuring different physiological aspects <i>Theisen D. (Luxembourg), Krecké R. (Luxembourg)</i>

P01: ELBOW/HAND

	Synovial radial head plica causing chronic lateral elbow pain: An analysis of 453 patients
P01-1083	<i>Rajeev Aysha (United Kingdom), Jabbar F., Pooley J.</i>
	Arthroscopic release of the extensor carpi radialis brevis tendon for chronic recalcitrant lateral epicondylitis
P01-1539	<i>Cho H. (South Korea (ROK)), Ku J., Wang T., Hwang T., Yang H.</i>
	Nonconstrained total elbow arthroplasty in low demand patients: A long-term follow-up study
P01-2252	<i>Machado Sara (Portugal), Ribeiro de Oliveira P., Almeida Pinto Isabel, Matos Coutinho A., Seara M., Pinto R.</i>
	Transcatheter arterial embolization for abnormal vessels in patients with lateral epicondylitis refractory to non-surgical management
P01-2347	<i>Okuno Y. (Japan)</i>
	The endoscopic repair of partial lesions of the distal triceps tendon; first prospective results of 14 cases
P01-2353	<i>Listringhaus R. (Germany), Heikenfeld R., Godolias G.</i>

P03: INJURY PREVENTION

P03-1011	The epidemiology of injuries in contact flag football <i>Kaplan Y. (Israel), Myklebust Grethe, Nyska M., Palmanovich E., Victor J., Witvrouw E.</i>
P03-1012	The prevention of injuries in contact flag football <i>Kaplan Y. (Israel), Myklebust Grethe, Nyska M., Palmanovich E., Victor J., Witvrouw E.</i>
P03-1144	Effect of un-anticipation on lower extremity biomechanics during a side- and cross-cutting maneuver in young soccer players <i>Lee Y. (South Korea (ROK)), Lee K., Kim J.</i>
P03-1156	Bilateral and unilateral asymmetries of isokinetic strength of the knee flexors and extensors in male elite football players: Preseason screening and prevention <i>Andrade R. (Portugal), Cervaens Mariana, Antunes Viana R., Pereira R.</i>
P03-1519	The relationship between lower plantar arch and sports injuries (Sin sprint and/or anterior knee pain syndrome) <i>Tsukahara T. (Japan), Kawai R., Yamaga A., Maeda M., Hiraiwa H., Sakai T.</i>
P03-1591	Clinical application of the anatomy of the common peroneal nerve at the posterolateral corner in knee surgery: A cadaveric study <i>Teo H. (Singapore), Loh S.</i>
P03-1786	Prevention programs are effective to decrease injuries incidence in professional ice hockey <i>Ormon G. (Switzerland), Fritschy D., Menetrey J., Ziltener J.</i>
P03-2325	The contribution of a fatigue protocol to a dynamic stability screening test for exertional medial tibial pain <i>Verrelst Ruth (Belgium), De Clercq D., Willems Tine, Victor J., Witvrouw E.</i>
P03-2440	Prevention of ankle injuries – evaluation of dynamic stability of the dominant leg in female ballet dancers <i>Korbolewska Olga (Poland), Plenzler M., Smigielski R., Popieluch M., Staniszewski M., Zdanowicz Urszula, Kowalska Malgorzata</i>
P03-2533	Use of basic screening tools to guide warm-up exercises in tournament football to decrease the incidence of injury; the experiences of the English Football Association at the FIFA under 20 World Cup <i>Jain N. (Canada), Kemp S., Lewin G., Beesley I</i>

P04: KNEE – CARTILAGE			
	The effect of partial fibulectomy on contact pressure of the knee: A cadaveric study <i>P04-1030 Yazdi H. (Iran), Givehchian B.</i>		
	Cell-based cartilage bone interphase optimization for treating knee osteoarthritis <i>P04-1211 Barve R. (India)</i>		Timetables
	Chondrogenesis using FDA-approved biomatrices <i>P04-1254 Dragoo J. (USA), Braun Hillary, Kim Hyeon Joo, Valladares R.</i>		
	Knee synovitis recurrence and cartilage damage after an arthroscopic synovectomy in a patient with rheumatoid arthritis <i>P04-1325 Lipina Marina (Russian Federation), Makarov M., Amirdjanova Vera, Makarov S., Pavlov V., Kolomacky V., Savenkova Nadejda, Mozhar Tatiana</i>		Wednesday
	Magnetic resonance evaluation of a biodegradable synthetic scaffold for the treatment of posttraumatic osteochondral lesions of the knee shows poor repair tissue quality <i>P04-1330 Gelber Ghertner P. (Spain), Millan-Billi Angélica, Gómez-Masdeu Mireia, Patthauer L., Vera Silvia, Batista J., Monllau J.</i>		Thursday
	A individualized surface replacement for focal cartilage lesions in the knee <i>P04-1396 Roberts D. (Sweden), Laursen J., Sköldenberg O., Flivik G., Ryd L.</i>		
	Early results of symptomatic treatment of osteoarthritis of the knee using intra-articular injection <i>P04-1407 Silva A. (Singapore), Zhou Z., Chong Hwei Chi, Yeo S., Lo N., Chin P., Tay D., Chia S.</i>		Friday
	Lower leg alignment after osteochondral osteograft transfer against the sponatenous osteonecrosis of the knee <i>P04-1474 Mukai S. (Japan), Nakagawa Y., Nakamura T.</i>		
	Cartilage fragments for one stage cartilage repair: Correlation between fragment size and extracellular matrix production in vitro <i>P04-1476 Bonasia D. (Italy), Cosentino A., Marmotti A., Spolaore S., Mattia Silvia, Castoldi F., Blonna D., Rossi R.</i>		Saturday
	In-vitro evaluation of compression-induced cartilage streaming potentials <i>P04-1492 Becher C. (Germany), Ricklefs M., Ettinger M., Drazidis A., Hurschler C., Abedian R.</i>		

P04: KNEE – CARTILAGE

P04-1516	The combination of microfracture plus collagen membrane combined with platelet-rich plasma gel, compared to microfracture plus collagen membrane enhanced by concentrated bone marrow for the treatment of severe patellar cartilage defects in the knee <i>Widuchowski W. (Poland), Lukasik P., Baczynski K., Mroczka A., Widuchowski J.</i>
P04-1527	Inflammatory cytokines and biomarkers of cartilage metabolism 8 years after anterior cruciate ligament reconstruction from operated and contra-lateral control knees <i>Ahlén Martina (Sweden), Roshani L., Lidén M., Rostgård Christensen L., Kartus J.</i>
P04-1552	Indications for and results of arthroscopy in the arthritic knee: A European survey <i>Mayr H. (Germany), Rueschenschmidt M., Seil R., Dejour D., Südkamp N., Bernstein Anke, Stöhr Amelie</i>
P04-1581	Biomimetic osteochondral scaffold for the treatment of complex tibial plateau defects: Results at 2 years of follow up <i>Kon Elizaveta (Italy), Filardo G., Di Martino A., Venieri Giulia, Perdisa F., Balboni Federica, Marcacci M.</i>
P04-1585	Matrix assisted autologous chondrocyte transplantation: Long term results and prognostic factors <i>Di Martino A. (Italy), Kon Elizaveta, Filardo G., Di Matteo B., Merli Maria Letizia, Andriolo L., Marcacci M.</i>
P04-1599	Matrix associated chondroplasty (MACH): A novel platelet rich plasma and concentrated nucleated bone marrow cells enhanced cartilage restoration technique <i>Steinwachs M. (Switzerland), Waibl B., Wopperer Stephanie, Mumme M.</i>
P04-1605	Treatment of knee osteochondral lesions with a biomimetic scaffold: Medium term follow-up results <i>Berruto M. (Italy), Uboldi F., Carimati Giulia, Ferrua P., Usellini Eva</i>
P04-1681	PRP with or without leukocytes: Any difference on chondrocytes and synoviocytes culture? <i>Kon Elizaveta (Italy), Di Matteo B., Mariani Erminia, Filardo G., Roffi Alice, Grigolo Brunella, Pulsatelli Lia, Marcacci M.</i>
P04-1684	Treatment of osteochondral defects of the knee: Results at 2 years using a cell-free biomimetic scaffold <i>Di Martino A. (Italy), Kon Elizaveta, Filardo G., Andriolo L., Perdisa F., Sessa A., Marcacci M.</i>

P04: KNEE – CARTILAGE

P04: KNEE – CARTILAGE			
P04-1704	Limited osteochondral repair by a multi-layered collagen scaffold <i>Christensen B. (Denmark), Foldager C., Jensen N., Lind M.</i>		
P04-1711	One step surgery with a biomimetic scaffold to treat osteochondral patellar lesions: Prospective study at 2 years of follow-up <i>Kon Elizaveta (Italy), Filardo G., Condello V., Zorzi C., Di Martino A., Tentoni F., Andriolo L., Marcacci M.</i>		Timetables
P04-1713	Cell-free biomimetic scaffold for osteochondral defects: A prospective clinical study at 72 months of follow-up <i>Di Martino A. (Italy), Kon Elizaveta, Filardo G., Andriolo L., Perdisa F., Sessa A., Marcacci M.</i>		
P04-1738	Evaluation of arthroscopic reduction and internal fixation for the treatment of intraarticular proximal tibial fractures <i>Benea H. (Romania), Bardas C., Martin A., Benea Andreea, Tomoaia G.</i>		Wednesday
P04-1752	Treatment of large knee osteochondral lesions with a biomimetic scaffold: Results from 49 patients at 2-years minimum follow-up in a multicenter study <i>de Caro Francesca (Italy), Delcogliano M., Carimati Giulia, Ferrua P., De Biase C., Berruto M.</i>		Thursday
P04-1756	Treatment of acute full-thickness chondral defects with high molecular weight hyaluronic acid: An experimental model <i>Figuerola D. (Chile), Espinosa Ipinza M., Calvo R., Scheu M., Conget Paulette</i>		
P04-1791	Frequency and distribution of knee cartilage lesions. Results from a prospective arthroscopic and near-infra-red spectroscopic (NIRS) study <i>Spahn G. (Germany), Plettenberg H., Hoffmann M., Hofmann G.</i>		Friday
P04-1817	Ten years follow up of knee mosaicplasty <i>Palavicini Chaverri C. (Sweden), Sjöberg Maria, Wange P., Ekström L., Engström B.</i>		
P04-1841	2 years follow-up after implantation of a synthetic osteochondral plug for full thickness cartilage defects in the knee <i>Konradsen L. (Denmark), Krogsgaard M.</i>		Saturday
P04-1851	TGF-Beta1 expression in platelet-rich plasma treated vs. saline treated autologous osteochondral grafts: An in vivo rabbit model <i>Ross K. (USA), Boakye Lorraine, Pinski J., Smyth N., Kennedy J.</i>		

P04: KNEE – CARTILAGE

P04-1887	Mid-term follow-up of the use of massive frozen tibial osteochondral allografts in posttraumatic tibial plateau defects <i>Erquicia J. (Spain), Gelber Ghertner P., Sosa G., Abat F., Pelfort X., Tey M., Monllau J.</i>
P04-1954	PRF as augmentation for microfractures in cartilage knee lesion <i>Papalia R. (Italy), Franceschi F., Franceschetti E., Díaz Balzani L., Zampogna B., Vasta S., Maffulli N., Denaro V.</i>
P04-1967	Prevalance of the chondral defects: A retrospective study of 1000 knee arthroscopies <i>Haspl M. (Croatia), Trsek D., Tabak T., Medancic N.</i>
P04-2045	The expression of vascular endothelial growth factor and syndecan-4 in cartilage from osteoarthritic knee <i>Youm Y. (South Korea (ROK)), Cho S., Lee S., Lee C., Kim C.</i>
P04-2064	Autologous mesenchymal stem cells for the treatment of chondral and osteochondral knee lesions: Results at 1 year of follow-up <i>Zorzi C. (Italy), Giovarruscio R., Madonna V., Screpis D., Piovani G., Condello V.</i>
P04-2081	Ultrastructural analysis of sheep articular and nasal septum cartilage harvested for osteochondral tissue engineering in bioreactor <i>Ivkovic A. (Croatia), Vukasic Andreja, Kostesic P., Hudetz D., Maticic D., Pecina M.</i>
P04-2101	Focal knee resurfacing. A 12-month study in sheep <i>Martinez-Carranza N. (Sweden), Lagerstedt Ann-Sofie, Nurmi-Sandh Hillka, Schupbach P., Berg H., Ryd L.</i>
P04-2115	Cartilage fragments in a composite scaffold for one-step cartilage repair: Hypoxia as a model of joint microenvironment <i>Marmotti A. (Italy), Mattia Silvia, Bonasia D., Bruzzone M., Rossi R., Castoldi F., Dettoni F., Peretti G.</i>

P04: KNEE – CARTILAGE

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| P04-2138 | Incidence of arthroscopy-identified cartilage injuries of the knee and proportion leading to repair procedures: A nationwide Danish cohort study 1996-2011
<i>Mor A. (Denmark), Grijota Miriam, Nørgaard Mette, Munthe J., Lind M., Deruaz Anouk, B. Pedersen Alma</i> |
| P04-2200 | Recovery of knee muscle isokinetic strength and endurance in patients after all-arthroscopic autologous matrix-induced chondrogenesis (AMIC) knee cartilage repair
<i>Prusinska Agnieszka (Poland), Grygorowicz Monika, Piontek T., Cierniewska-Gorzela Kinga, Szulc A., Naczek J., Dudzinski W.</i> |
| P04-2295 | Osteochondral lesions of the femoral condyles: is One step repair technique with bone marrow derived cells keeping promises?
<i>Cavallo M. (Italy), Buda R., Vannini Francesca, Castagnini F., Natali S., Giannini S.</i> |
| P04-2320 | Detection of trochlear groove chondral defects using MRI
<i>Briggs Karen (USA), Ho C., Matheny Lauren, James E., Steadman R.</i> |
| P04-2340 | The correlations of balance, self reported disability and mood in subjects with knee osteoarthritis
<i>Demirtas R. Nesrin (Turkey), Arslan Serap, Karakus N., Turgut A.</i> |
| P04-2388 | Single-stage cartilage repair in the knee with collagen-covered microfracture and autologous bone marrow concentrate
<i>Enea D. (Italy), Cecconi S., Busilacchi A., Gigante A.</i> |
| P04-2409 | Chondrogenic potential of platelet-rich plasma (PRP) in comparison with postoperative hemarthrosis-serum
<i>Hartz Claudia (Germany), Plümacher P., Tohidnezhad Mersedeh, Pries F., Pufe T., Varoga D.</i> |
| P04-2499 | A six months follow-up after intra-articular knee injections for degenerative osteoarthritis. A comparative study between PRGF and Hyaluronic acid
<i>Iosifidis M. (Greece), Iliopoulos E., Eftychiakos N., Vlachou Elena, Panagiotou A., Zidrou Christiana, Kyriakidis A.</i> |

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

P05: KNEE – MENISCUS I

	Do root avulsions of the lateral meniscus lead to extrusion? A case-control study
P05-1026	<i>Pula D. (USA), Femia R., Marzo J., Bisson L.</i>
	Cleavage meniscus tears and magnetic resonance imaging
P05-1053	<i>Alonso R. (Argentina)</i>
	Characteristic of ramp lesion with anterior cruciate ligament rupture
P05-1060	<i>Hatayama K. (Japan), Kimura M., Ogoshi Atsuko, Nakagawa T., Shiozawa H.</i>
	MRI features of the all-inside repaired meniscus: Evaluation at 10 years
P05-1063	<i>Pujol N. (France), Boisrenoult P., Beaufils P.</i>
	A prospective comparative study to evaluate the safety and efficacy of a polyurethane meniscal substitute in a meniscectomized knee: Short-term follow-up
P05-1104	<i>Popescu D. (Spain), Torrents Abiguel, Soare Gabriela, Alvarez Torres G., Macule F.</i>
	Tibiofemoral malignment 40 years after adolescent total meniscectomy
P05-1112	<i>Pengas I. (United Kingdom), Nash W., Assiotis A., Mc Nicholas M., Hatcher J.</i>
	Chondrogenic expression of human meniscal cells
P05-1117	<i>Numpaisal Piya-on (Taiwan), Jiang C., Chiang H., Chen Sychi, Chien C.</i>
	Comparison of all-inside meniscal repair for the posterior horn tear of the meniscus: Suture versus Fast-Fix
P05-1157	<i>Choi N. (South Korea (ROK)), Jung Y., Kim B.</i>
	The use of contralateral knee MRI to predict meniscal size during meniscal allograft transplantation
P05-1161	<i>Yang J. (South Korea (ROK))</i>
	Reprocessed arthroscopic shavers: Evaluation of sharpness and function in a cadaver model
P05-1169	<i>Arendt Elizabeth (USA), Ledonio C., Adams Julie, Matz Jennifer, Boers A., Miller K., Lester B.</i>
	Patterns of meniscal pathology following concurrent transection of cruciate and collateral ligaments
P05-1180	<i>Barton Kristen (Canada), Wiebe M., Achari Yamini, Shrive N., Frank C., Hart D.</i>

P05: KNEE – MENISCUS I

P05: KNEE – MENISCUS I			
	P05-1197	Discoid lateral meniscus: Type, cause of clinical symptom, tear pattern and surgical management in 69 knees <i>Yamaguchi Nami (Japan), Tajima T., Kawahara K., Chosa E.</i>	
	P05-1227	Incidence of bilateral discoid lateral meniscus in an asian population: An arthroscopic assessment of contralateral knees <i>Han J. (Korea, Democratic People's Republic of (North Korea)), Kwon J., Song J., Nam J., Kang K., Nha K.</i>	Timetables
	P05-1228	Predictive value of painful popping for a posterior root tear of the medial meniscus in middle-aged to older asian patients <i>Nha K. (South Korea (ROK)), Kwon J., Han J., Song J., Kang K., Nam J.</i>	
	P05-1238	Accuracy of a computer based diagnostic program for ambulatory patients presenting with knee pain <i>Pula D. (USA), Bisson L., Komm J., Fineberg M., Marzo J., Wind W., Smolinski R.</i>	Wednesday
	P05-1256	Associated factors to rerupture following meniscal repair in children and adolescents <i>Tuca Maria Jesus (Chile), Calvo R., Figueroa D., Villalon I., Vaisman A.</i>	
	P05-1331	High tibial valgus osteotomy. To substitute or not to substitute the injured medial meniscus with a polyurethane scaffold? <i>Gelber Ghertner P. (Spain), Isart Anna, Erquicia J., Pelfort X., Tey-Pons M., Abat F., Monllau J.</i>	Thursday
	P05-1333	The presence of chondral injuries worsens the MRI aspect of a meniscal polyurethane scaffold without influencing the clinical outcomes <i>Gelber Ghertner P. (Spain), Mari-Molina Raquel, Petrica A., Isart Anna, Erquicia J., Abat F., Monllau J.</i>	Friday
	P05-1368	Clinical and radiological evaluations after arthroscopic medial meniscus root tear refixation: Comparison of a modified Mason-Allen stitch with simple stitches <i>Ha J. (South Korea (ROK)), Kim J., Lee D.</i>	
	P05-1383	Tibial superficial meniscal strain and meniscal attachment forces after partial menisectomy <i>Freutel Maren (Germany), Seitz A., Ignatius Anita, Dürselen L.</i>	Saturday
	P05-1410	Simulated long-term wear of an artificial medial meniscus implant <i>Linder-Ganz E. (Israel), Elsner J., Shemesh M., Shefy-Peleg Adaya, Zylberberg E.</i>	

P06: KNEE – MENISCUS II

P06-1450	Dynamic stability of a non-fixed meniscus implant: In-vitro study using a novel robotic knee system <i>Linder-Ganz E. (Israel), Elsner J., Bonner Tara, Greene A., Halloran J., Agar G., Colbrunn R.</i>
P06-1480	Long term results after ACL reconstruction associated with medial collagen meniscus implant <i>Bulgheroni Erica (Italy), Bulgheroni P., Cherubino P., Marcheggiani Muccioli G., Grassi A., Zaffagnini S., Marcacci M.</i>
P06-1489	The neurovascular safety of an all-inside external meniscal repair system varies with knee flexion. A cadaveric study <i>Cuellar A. (Spain), Ruiz-Iban M., Cuellar Gutierrez R., Guerrero J., Garcia-Alonso I.</i>
P06-1500	Magnetic resonance imaging analysis of the meniscus position during deep knee flexion <i>Onodera Moe (Japan), Kurokawa J., Satou K., Tsuchiya A., Kanisawa I., Takahaschi K., Sakai H., Nagamine T.</i>
P06-1506	Occurrence of osteochondritis dissecans after surgery is different for resection pattern with complete discoid lateral meniscus in juvenile knees <i>Hashimoto Y. (Japan), Takigami J., Yamasaki S., Terai S., Tomihara T., Nakamura H.</i>
P06-1511	Long term results of arthroscopic meniscectomy: A minimum 20 years of follow-up <i>Widuchowski W. (Poland), Faltus R., Lukasik P., Baczynski K., Widuchowski J.</i>
P06-1554	Preoperative patient-related risk factors for the extrusion of meniscal allograft transplants <i>Lee B. (South Korea (ROK)), Seo S., Kim J., Bin S.</i>
P06-1555	Clinical symptoms changes does not reflect early articular cartilage degeneration in short-term periods after subtotal/total meniscectomy <i>Seo S. (South Korea (ROK)), Bin S., Kim J., Lee B.</i>
P06-1557	Greater axial trough obliquity increases the risk of graft extrusion in lateral meniscus allograft transplantation <i>Bin S. (South Korea (ROK)), Lee D., Seo S., Kim J., Lee B.</i>
P06-1560	Repair of a radial tear in the posterior horn of the lateral meniscus using the fast-fix device <i>Shim Jungin (South Korea (ROK)), In Y.</i>

P06: KNEE – MENISCUS II

P06: KNEE – MENISCUS II			
	Chronicity of injury has no influence on survival rate of arthroscopic meniscal repair		
P06-1622	<i>van Arkel E. (Netherlands), van der Wal R., Thomassen Bregje, Swen J.</i>		
	Iatrogenic overlap of the anterior meniscal root attachments following anterior cruciate ligament tunnel reaming: An in vitro analysis		
P06-1636	<i>LaPrade C. (USA), Watson J., Wilson Katharine J., Kennedy N., Campbell K., Hutchinson M., Wijdicks C., LaPrade R.</i>		Timetables
	Do the radiographic findings of symptomatic discoid lateral meniscus in children differ from normal control subjects?		
P06-1662	<i>Lee S. (South Korea (ROK)), Ahn J., Yoon K.</i>		Wednesday
	Analysis of symptomatic medial meniscus posterior horn horizontal tear and combined flap tear in patients under 50 years		
P06-1671	<i>Kim J. (South Korea (ROK)), Lim H., Wang J., Han J., Bae J.</i>		
	Pullout failure strength of the posterior root tear of the medial meniscus: A biomechanical study in porcine meniscus		
P06-1677	<i>Kim Y. (South Korea (ROK)), Joo Y., Shin B., Lee J., Yeon K.</i>		Thursday
	Risk factors for medial meniscus root tear		
P06-1678	<i>Joo Y. (South Korea (ROK)), Kim Y., Shin B., Yeon K.</i>		
	Friction properties of meniscus and articular cartilage		
P06-1693	<i>Dürselen L. (Germany), Hoffart C., Joos Helga, Brenner R., Ignatius Anita</i>		
	Polyurethane synthetic scaffold for meniscal regeneration: Prospective clinical study at 3 years follow-up		
P06-1705	<i>Perdisa F. (Italy), Kon Elizaveta, Filardo G., Di Martino A., Di Matteo B., Merli Maria Letizia, Zaffagnini S., Marcacci M.</i>		Friday
	Meniscosynovial lesions in ACL injured knees are related to injury mechanism		
P06-1714	<i>Najfeld M. (Luxembourg), Mouton Caroline, Gillman Tracey, Nührenberger C., Pape D., Seil R.</i>		Saturday
	Subchondral fracture following arthroscopic partial menisectomy		
P06-1742	<i>Moriyama I. (Japan)</i>		

P06: KNEE – MENISCUS II

	Meniscal lesion impact on the development of osteoarthritis in ACL reconstructed knee <i>P06-1773</i> Ozols E. (Latvia), Zadoroznijs S., Andersons V.
	The potential risk of neurovascular injury in all-inside meniscus repair: A cadaveric study <i>P06-1795</i> Tawada K. (Japan), Nozaki M., Kobayashi M., Goto H., Terada S., Nishimori Y., Murase A., Otsuka T.
	Physical therapy vs. arthroscopic meniscal trimming in the management of unstable meniscal tears <i>P06-1901</i> El Ghazaly S. (Egypt)
	Relevance of quantitative 3D parameters of meniscus positions for longitudinal cartilage loss in knees with and without osteoarthritis <i>P06-1917</i> Blöcker Katja (Austria), Hochreiter J., Dirisamer F., Patsch C., Eckstein F.
	The biomechanical effect of a lateral meniscus posterior root tear with and without damage of the meniscofemoral ligament <i>P06-1924</i> Forkel P. (Germany), Herbort M., Sprenker Frederike, Raschke M., Petersen W.
	Evaluation of simple, fast technique of popliteal cyst arthroscopic/ endoscopic treatment based on more than 200 cases and 9 years of experience <i>P06-1927</i> Malinowski K. (Poland), Wiecek R., Hermanowicz K., Jancewicz P., Kuzma K., Synder M.
	Evaluation of complete all-inside, nonabsorbable, vertical sutures, lateral and medial meniscus repair technique based on more than 150 cases and 6 years of experience <i>P06-1933</i> Malinowski K. (Poland), Wiecek R., Hermanowicz K., Jancewicz P., Kuzma K., Synder M.
	Meniscal allograft imaging – first data collection <i>P06-1939</i> Mickiewicz Patrycja (Poland), Binkowski M., Bursig H., Czaja Martyna, Wrobel Z.
	Short-term results and restoration of meniscal structural integrity in pull-out repair technique of medial meniscus root tear <i>P06-2009</i> Wang J. (South Korea (ROK)), Lee S., Kyung B., Kim Ah Reum, Ahn J.
	Meniscal repair with free synovial graft transplantation in scars vascular area injury: Short term results <i>P06-2050</i> Tsuchiya A. (Japan), Kanisawa I., Takahaschi K., Sakai H., Nagamine T., Akada T., Fukuda H., Asai S.

P06: KNEE – MENISCUS II			
	Arthroscopic meniscal scaffold implantation: Early clinical results at 24 months of follow-up		
P06-2059	Zorzi C. (Italy), Condello V., Madonna V., Screpis D., Piovan G., Giovarruscio R.		
	Meniscus allograft transplantation: Results at minimum 48 months of follow-up		
P06-2061	Zorzi C. (Italy), Madonna V., Condello V., Screpis D., Piovan G., Giovarruscio R.		Timetables
	Lateral meniscal allograft transplantation: A compariosn of discoid meniscus and non-discoid meniscus		
P06-2102	Yoon K. (South Korea (ROK)), Lee S., Park K., Chung K., Tak D.		
	Relationship between medial meniscal posterior root tear and medial femoral condyle width in degenerative knee osteoarthritis		
P06-2122	Jung M. (South Korea (ROK)), Min B., Chung J., Oh H., Park D., Hong K.		Wednesday
	The normal MRI findings of remodeling after implantation of a novel medial synthetic meniscus implant		
P06-2140	Shabshin Nogah (Israel), Elsner J., Condello V., Zorzi C., Nocco E., Hershman E., Linder-Ganz E.		
	Does guidelines create higher quality of patient care?		
P06-2174	Diercks R. (Netherlands)		Thursday
	Recovery of knee muscle isokinetic strength and endurance in patients after all-inside arthroscopic meniscus regeneration (AMR) based on suturing and collagen matrix wrapping		
P06-2207	Prusinska Agnieszka (Poland), Grygorowicz Monika, Piontek T., Ciemniewska-Gorzela Kinga, Szulc A., Naczek J., Dudzinski W.		Friday
	Fiber connections between the menisci and the cruciate ligament of the knee		
P06-2231	Bashir Kerstin (Austria), Weninger P., Hirtler Lena		
	Intraarticular adipose-derived mesenchymal stem cells increase vascularization and cellular proliferation after repair of a meniscal tear in the avascular zone. An experimental study in pigs		
P06-2251	Ruiz-Iban M. (Spain), Diaz Heredia J., Alonso Güemes Susana, Cebreiro Martinez Val I., Cuéllar Ayestarán A.		Saturday
	Meniscal repair in high level athletes using the all-inside technique. Factors associated with failure		
P06-2281	Papacostas E. (Greece), Papasoulis E., Savvidis M., Terzidis I., Sideridis A., Koukoulías N.		Posters

P06: KNEE – MENISCUS II

P06-2302	Meniscal injuries: is there a place for conservative management? <i>Mokhtar A. (Egypt)</i>
P06-2315	Meniscal suture: a modified outside-in technique <i>El Ghazaly S. (Egypt)</i>
P06-2323	Factors associated with complex meniscus tears requiring suture repair <i>Briggs Karen (USA), Steadman R.</i>
P06-2365	Knee flexion improves the diagnosis of posterior horn meniscus lesions <i>Walter F. (Luxembourg), Nührenbörger C., Page P., Pape D., Calafat J., Vuillemin J., Seil R.</i>
P06-2451	Indications for meniscal allograft transplantation: Advanced degenerative change should not be a contraindication <i>Parkinson B. (United Kingdom), Kempshall P., Robb C., Thomas M., Getgood A., Thompson P., Spalding T.</i>
P06-2453	Results of the modifications in rehabilitation in patients after arthroscopic meniscus repair with polyurethane implants-a one year follow-up <i>Kurowska Emilia (Poland), Piatkowski M., Slynarski K.</i>
P06-2470	Trans-osseous repair of root tears of the lateral meniscus – Operative technique and clinical follow-up <i>Driessen A. (Germany), Fink M., Albers M., Balke M., Akoto R., Shafizadeh S., Bouillon B., Höher J.</i>

P07: KNEE – OSTEOTOMY

	Investigation of the change in femorotibial angle and tibial posterior slope by opening wedge high tibial osteotomy	
P07-1018	<i>Hanada M. (Japan), Takahashi M., Koyama H., Matsuyama Y.</i>	
	Femoral shortening osteotomy in congenital dislocation of knee-result of mid term follow-up	
P07-1035	<i>Kumar N. (India), Sud A.</i>	
	Second-look arthroscopic assessment of cartilage regeneration after medial opening-wedge high tibial osteotomy	
P07-1068	<i>Jeong J. (South Korea (ROK)), Jung W., Chun C., Lee J.</i>	
	The accuracy of the limb alignment after medial opening-wedge high tibial osteotomy using the identifiable mechanical axis marker	
P07-1069	<i>Jeong J. (South Korea (ROK)), Jung W., Chun C., Lee J.</i>	
	The short-term results of simultaneous bilateral medial opening wedge high tibial osteotomy	
P07-1070	<i>Jeong J. (South Korea (ROK)), Jung W., Chun C., Lee J.</i>	
	Comparative analysis of the osteotomy accuracy between conventional and devised technique using a protective cutting system in the medial open wedge high tibial osteotomy	
P07-1140	<i>Lee Y. (South Korea (ROK)), Lee B., Kim J., Kim W.</i>	
	Lateral tibial bone mineral density around the level of the proximal tibiofibular joint: Clinical relevance in the open wedge high tibial osteotomy	
P07-1142	<i>Lee Y. (South Korea (ROK)), Oh W., Lee B.</i>	
	Second-look arthroscopic findings after open-wedge high tibia osteotomy focusing on the posterior root tears of the medial meniscus	
P07-1223	<i>Nha K. (South Korea (ROK)), Kwon J., Han J., Song J., Kang K., Nam J.</i>	
	Clinical and radiological comparisons of hydroxyapatite and beta-tricalcium phosphate spacers used in medial open wedge high tibial osteotomy	
P07-1371	<i>Onodera Jun (Japan), Kondo E., Yasuda K., Yagi T.</i>	
	Medial open wedge high tibial osteotomy: Predicting delayed or non-union	
P07-1452	<i>van Houten A. (Netherlands), Heesterbeek Petra, van Heerwaarden R., van Tienen T., Wymenga A.</i>	
	SPECT/CT for the assessment of the loading history of patients after high tibial osteotomy – a new diagnostic tool and algorithm	
P07-1712	<i>Hirschmann M. (Switzerland), Mucha A., Testa E., Dordevic M., Arnold M., Rasch H.</i>	

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P07: KNEE – OSTEOTOMY

P07-1716	Effect of high tibial osteotomy on joint loading in symptomatic patients with varus aligned knees- a study using SPECT/CT <i>Hirschmann M. (Switzerland), Mucha A., Dordevic M., Testa E., Arnold M., Rasch H.</i>
P07-1865	Type of lateral hinge fracture has certain influences on short-term outcomes of opening wedge high tibial osteotomy <i>Nakamura R. (Japan)</i>
P07-1898	Biomechanics properties of a new dynamic fixation concept in open wedge HTO <i>Schröter S. (Germany), Hoffmann T., Welke B., Schwarze M., Hurschler C., Döbele S., Stöckle U., Ateschrang A.</i>
P07-2060	Remodelling potential of beta TCP inserted for medial-opening wedge high tibial osteotomy <i>Jeong J. (South Korea (ROK)), Jung W., Chun C., Lee J.</i>
P07-2063	Efficiency of periarticular multimodal drug injection after medial opening-wedge high tibial osteotomy <i>Jeong J. (South Korea (ROK)), Jung W., Chun C., Lee J.</i>
P07-2137	Pressure algometry is a useful tool to quantify and objectify the pain in the medial part of the knee. Intra and inter-rater correlation study <i>Guiro P. (Spain), Pelfort X., Leal J., Torres-Claramunt R., Valverde-Vilamala D., Puig-Verdie L.</i>
P07-2264	Natural history of osteotomized fibula following high tibial osteotomy <i>Kaya Bicer Elcil (Turkey), Basa C., Aydogdu S., Sur H.</i>
P07-2289	Radiological evaluation of bone formation in the osteotomy gap after open wedge high tibial osteotomy <i>Goshima K. (Japan), Sawaguchi T.</i>
P07-2433	Correction accuracy, patellar height and posterior tibial slope after high tibial osteotomy for medial osteoarthritis of the knee. Open wedge vs Closed wedge technique, a prospective randomized radiological study <i>Nerhus T. (Norway), Heir S., Madsen J., Ekeland A.</i>
P07-2458	Unloading the medial compartment – a biomechanical in vitro study comparing high tibial osteotomy (HTO) and an implantable joint-unloading extra capsular prosthesis <i>Bode G. (Germany), Kloos F., Ostermeier S., Südkamp N., Niemeyer P., Becher C.</i>
P07-2469	Quality of life evaluation of patients after Ibalance osteotomy <i>Kurowska Emilia (Poland), Slynarski K.</i>

P08: KNEE – PATELLOFEMORAL

		Ultrasound investigation of vastus medialis oblique (VMO) muscle architecture: an in-vivo study
	P08-1123	Robertson Claire (United Kingdom), Engelina Shendy, Antonios T., Killingback A., Adds P.
		Biomechanical properties of two different MPFL reconstruction technique using semitendinosus graft: A human cadaveric study
	P08-1270	Cerulli G. (Italy), Tei M., Speziali A., Placella G., Criscenti G., Antinolfi P.
		Infrapatellar fat pad volumes are increased in people with patellofemoral joint osteoarthritis
	P08-1272	Hart Harvi (Australia), Cowan Sallie, Crossley Kay
		Progression of patellofemoral osteoarthritis in varus knee joint
	P08-1366	Otsuki S. (Japan), Nakajima M., Okamoto Y., Hoshiyama Y., Oda S., Neo M.
		Vastus medialis obliquus muscle morphology in primary and recurrent lateral patellar instability
	P08-1378	Balcerek P. (Germany), Oberthür Swantje, Schüttrumpf J., Wachowski M., Frosch S., Walde T., Stürmer K.
		Repair versus reconstruction for recurrent lateral patellar instability
	P08-1460	Dragoo J. (USA), Nguyen M., Young S.
		Systematic review of pre-operative variables reporting in isolated medial patellofemoral ligament reconstruction
	P08-1498	Arendt Elizabeth (USA), Tompkins M.
		Change in catastrophizing and kinesiophobia are predictive of change in disability and pain after treatment in patients with anterior knee pain
	P08-1594	Montesinos-Berry E. (Switzerland), Domenech J., Sanchis-Alfonso V., Espejo Begona
		Evaluation of a biosynthetic graft in MPFL reconstruction for episodic patellar dislocation
	P08-1613	Berruto M. (Italy), Ferrua P., Uboldi F., Carimati Giulia, Usellini Eva
		Validity and reliability assessment of femoral tunnels for medial patellofemoral ligament reconstruction: Palpation versus fluoroscopy
	P08-1625	Hiemstra Laurie (Canada), Kerslake Sarah, Sasyniuk Treny, Lafave M.
		Accuracy and learning curve of femoral tunnel placement in medial patellofemoral ligament reconstruction
	P08-1627	Hiemstra Laurie (Canada), Kerslake Sarah, Lafave M.

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P08: KNEE – PATELLOFEMORAL

P08-1695	Does the chosen experimental test procedure affect the outputs? A pilot study to observe patella-femoral joint mechanics <i>Pianigiani Silvia (Italy), Gervasi G., Antinofli P., Speziali A., Pascale W., Cerulli G., Innocenti B.</i>
P08-1703	New medial patellofemoral ligament reconstruction procedure for recurrent patellar dislocation <i>Tsujiyama T. (Japan), Kan H., Mouri H., Minami G., Suehara H.</i>
P08-1724	Clinical outcome and patient safety 18 to 24 months after implant-free, anatomical plastic of the MPFL <i>von Engelhardt L. (Germany), Fuchs T., Lahner M., Jerosch J.</i>
P08-1766	A self-centering tibial tubercle osteotomy for patellar maltracking and instability: Results at 10 years follow-up <i>Tigheelaar S. (Netherlands), Koëter S., Bénard M., Wymenga A.</i>
P08-1853	Medial patellofemoral ligament reconstruction in skeletally immature patients with ligamentous laxity <i>Abouelsoud M. (Egypt), Abdelhady A.</i>
P08-1867	CT versus MRI for measurement of the tibial tubercle trochlear groove (TTTG) distance <i>LaPrade R. (USA), James E., Surowiec Rachel, Dornan G., Ellman M., Gatlin C., Cram T., Ho C.</i>
P08-1942	MPFL reconstruction with quadriceps tendon flap – Biomechanical properties of this new technique in comparison to the intact MPFL <i>Herbert M. (Germany), Hoser C., Schliemann B., Lenschow S., Kösters C., Raschke M., Fink C.</i>
P08-2070	Patellar dislocation. What to do after the first acute episode? <i>Vasso M. (Italy), Cerciello S., Felici A., Del Regno Chiara, Schiavone Panni A.</i>
P08-2084	Anterior knee pain patients with or without degenerative cartilage have elevated patellofemoral contact stresses <i>Amis A. (United Kingdom), Lumpaopong Punyawan, Shakokani M., Toms A., Hansen U., Donell S.</i>
P08-2091	Not all anterior knee pain patients may benefit from muscle strengthening programmes <i>Amis A. (United Kingdom), Lumpaopong Punyawan, Shakokani M., Toms A., Hansen U., Donell S.</i>

P08: KNEE – PATELLOFEMORAL			
	Medial patellofemoral ligament reconstruction with a divergent patellar transverse 2-tunnel technique		
P08-2103	Schiavone Panni A. (Italy), Cerciello S., Del Regno Chiara, Vasso M.		
	Patellar shape can be a predisposing factor in patellar instability		
P08-2143	Schiavone Panni A. (Italy), Del Regno Chiara, Cerciello S., Vasso M.		
	Measurement of the tibial tubercle – trochlear groove distance on computer tomography (CT) and magnetic resonance imaging (MRI): Are they equivalent?		
P08-2145	Anley C. (United Kingdom), Saithna A., Morris G., James S., Snow M.		
	A patient profile of lateral patella re-dislocators		
P08-2167	Arendt Elizabeth (USA), Stock Elizabeth, Agel Julie, Zurek Lauren		
	MR morphological characteristics of patients with primary patellar dislocation		
P08-2169	Arendt Elizabeth (USA), England Kristin, Tompkins M., Rohr Sara		
	CT Measurements for patellofemoral joint evaluation: Interobserver reliability and reproducibility		
P08-2189	Dei Giudici L. (Italy), Bottegoni C., Cecconi S., Ulisse Serena, Chillemi C., Gigante A.		
	The biomechanical effect of simulated trochlear dysplasia in cadaver knees		
P08-2212	Verdonk P. (Belgium), Van Haver Annemieke, De Beule M., Claessens T.		
	Reconstruction of the medial patellofemoral ligament in adolescents with open growth plates		
P08-2220	Lind M. (Denmark), Enderlein Ditte, Nielsen T., Christiansen S., Faunø P.		
	Patellofemoral disorders and its relation to the other knee pathology: Analysis of 2004 arthroscopic operations		
P08-2238	Tutkus V. (Lithuania), Tutkuvienė Janina		
	The effect of progressive tibial tuberosity medialisation and lateralisation on patellofemoral joint kinematics, contact mechanics and stability		
P08-2291	Stephen Joanna (United Kingdom), Lumpaopong Punyawan, Dodds A., Williams A., Amis A.		
	Short-term results of transcatheter arterial embolization for abnormal neovessels in patients with anterior knee pain; a pilot study		
P08-2328	Okuno Y. (Japan)		

P08: KNEE – PATELLOFEMORAL

P08-2358	Long-term results of Nail-patella syndrome: 3 cases reports <i>Uematsu K. (Japan), Ogawa M., Inagaki Y., Hara R., Tanaka K., Tanaka Y., Yoshiyuki F.</i>
P08-2366	Clinical results after Elmslie-Trillat procedure in two different indications <i>Hartz Claudia (Germany), Olivet J., Pries F., Varoga D.</i>
P08-2368	Reconstruction of the medial patellofemoral ligament in patients with recurrent patella instability <i>Lind M. (Denmark), Enderlein Ditte, Nielsen T., Christiansen S., Faunø P.</i>
P08-2422	Comparison of commercial patello femoral arthroplasty systems in a virtual patella femoral joint <i>Erasmus P. (South Africa), Cho KJ., Muller C.</i>
P08-2497	Tibial tuberosity transfer(TTT) protects the medial patellofemoral ligament (MPFL) from excessive strain in patellar instability – A biomechanical study on cadaveric knees <i>Hui H. (Singapore)</i>
P08-2526	Outcome of anatomic reconstruction of medial patellofemoral ligament in recurrent patella dislocation: A prospective case series <i>Acharya K. (India), Pandey V.</i>

P08: KNEE – PATELLOFEMORAL + P09: KNEE – TOTAL JOINT REPLACEMENT

P09: KNEE – TOTAL JOINT REPLACEMENT			
	A prospective comparative study of three analgesic regimes for postoperative pain relief and functional outcome following total knee replacement		Timetables
P09-1065	<i>Rajeev Aysha (United Kingdom), Kashyap S., Tumia N., Mayne D.</i>		
	Total knee replacement and golf		
P09-1072	<i>Cronin M. (Ireland), Campbell Jane, Murray P.</i>		Wednesday
	A new surgical approach for total knee arthroplasty in patients with inaccessible medullary canal		
P09-1095	<i>Castellarin G. (Italy)</i>		
	Comparison of perioperative pain control after total knee arthroplasty between femoral nerve block and intravenous opioid analgesic		Thursday
P09-1098	<i>Hatayama K. (Japan), Terauchi M.</i>		
	The treatment of acquired patella baja in total knee replacement (TKR) with proximalize the tibial tuberosity (PTT)		
P09-1100	<i>Popescu D. (Spain), Vives Marian, Segur J., Ares O., Lozano L., Macule F.</i>		Friday
	Unsatisfactory results after total knee arthroplasty: Oxford knee score and SF-36, which score reflects better?		
P09-1114	<i>Bombaci H. (Turkey), Bilgin E., Gorgec M.</i>		
	In vivo gap analysis of three different patella positions during navigation-assisted total knee arthroplasty		Saturday
P09-1160	<i>Yang J. (South Korea (ROK))</i>		
	Sagittal alignment of the femoral component in total knee arthroplasty: Comparison of flexible and rigid intramedullary rod		
P09-1182	<i>Matsubara T. (Japan), Takahashi M., Koyama H., Hanada M.</i>		
	Is fibrin sealant useful in reducing blood loss after total knee replacement? A randomized controlled trial		
P09-1187	<i>Randelli P. (Italy), Serrao L., Ragone Vincenzo, Cabitza P.</i>		

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P09-1244	The assessment of neutrophil CD64 count in patients receiving primary hip/knee replacements <i>Perry J. (United Kingdom), Reed M., Refaie R., Sprowson A., Rankin K.</i>
P09-1287	Virtual reconstruction planning during revision total knee replacement <i>Jenny J. (France), Diesinger Y.</i>
P09-1288	Patient specific „à la carte“ knee reconstruction with unicompartmental knee replacement: A feasibility study <i>Diesinger Y. (France), Jenny J.</i>
P09-1291	Pain control through local anesthesia versus femoral nerve block after total knee arthroplasty <i>Antoni M. (France), Diesinger Y., Jenny J.</i>
P09-1292	Standard antibioprophylaxis does not negativate intra-operative bacteriological samples during infected total knee exchange <i>Jenny J. (France), Diesinger Y., Bund L.</i>
P09-1326	Biomechanical analysis in finite element method (FEM) of unicompartmental knee arthroplasty: Evaluation of the mechanical stress in tibial component: Retrospective study <i>Kaneko T. (Japan), Otani T., Kono N., Mochizuki Y., Hada M., Matsumoto T., Ikegami H., Musha Y.</i>
P09-1329	Evaluation the quantification of bone ingrowth in cementless total knee arthroplasty <i>Kaneko T. (Japan), Otani T., Kono N., Mochizuki Y., Hada M., Matsumoto T., Ikegami H., Musha Y.</i>
P09-1340	Coronal alignment parameters affecting lower limb alignment after unicompartmental knee arthroplasty <i>Terauchi M. (Japan), Hatayama K., Saitou K., Hagiwara K.</i>
P09-1352	Knee pain during strength training shortly following fast-track total knee arthroplasty: A cross-sectional study <i>Bandholm T. (Denmark), Thorborg K., Haxholdt Lunn T., Kehlet H., Linding Jakobsen T.</i>
P09-1411	Prospective randomized controlled clinical study with radiographic control on conventional and mini mid-vastus (MMV) total knee arthroplasty (TKA): 5 year follow-up <i>Verburg H. (Netherlands), Mathijssen Nina, Niesten D., Verhaar J., Pilot P.</i>

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P09-1412	Penetration and distribution of cement in the proximal tibia after TKA measured with a new method using CT-scan <i>Verburg H. (Netherlands), van Zeeland-Koobs Linda, Mathijssen Nina, Niesten D., Pilot P.</i>
P09-1429	Predictive factors of length of hospital stay after primary total knee arthroplasty <i>van den Belt Lotte (Netherlands), Heesterbeek Petra, van Essen P., Defoort K.</i>
P09-1431	Management of implant-stable distal femoral periprosthetic (TKA) fractures by distal femoral locking plate: Development of a new classification system and treatment protocol <i>Thukral R. (India), Marya S.</i>
P09-1435	Results of unicompartmental knee arthroplasty in 39 octogenarians (55 knees) with tricompartmental osteoarthritis <i>Thukral R. (India), Marya S.</i>
P09-1440	Effect of triamcinolone contained intra-operative local infiltration cocktail for the total knee arthroplasty <i>Kodama T. (Japan), Shimosawa H.</i>
P09-1453	Revision of severe stiff total knee leads to moderate functional improvement, patient satisfaction and residual pain <i>Heesterbeek Petra (Netherlands), Goosen J., van Essen P., van Hellemond G., Defoort K., Wymenga A.</i>
P09-1473	Midterm osteolysis in deep-dished total knee arthroplasty <i>Massin P. (France), Blandine Marion, Boyer P., Hutten D.</i>
P09-1479	Medial unicompartmental knee replacement. 10 year results from an independent centre: Survival, function and risk factors for revision <i>Gould A. (United Kingdom), Briant-Evans T., Wilson A., Stranks G., Pearce Andrea, Risebury M.</i>
P09-1488	Length of stay and day of surgery in total knee arthroplasty <i>Chen Antonia (USA), Cafardi Susannah, Klatt B., Cohen P.</i>
P09-1499	Measurement of the posterior tibial slope on standard lateral radiographs: An exact and practical method of determination in daily clinical practice <i>Pauzenberger L. (Austria), Schwameis Eva, Brandl G., Laky Brenda, Krieglleder B., Anderl W.</i>

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	Staphylococcus decolonization in total knee arthroplasty is effective
P09-1501	<i>Chen Antonia (USA), Heyl Alma, Xu P., Rao Nalini, Klatt B.</i>
	How effective is multiple needle puncturing for medial soft tissue balancing during total knee arthroplasty? A cadaveric study
P09-1547	<i>In Y. (South Korea (ROK)), Koh I.</i>
	Rotational laxity and collateral ligament laxity after total knee arthroplasty with rotating platform
P09-1551	<i>Mayr H. (Germany), Reinhold M., Südkamp N., Bernstein Anke</i>
	Effect of early rehabilitation with progressive strength training after fast-track total knee arthroplasty: A randomized controlled trial
P09-1570	<i>Bandholm T. (Denmark), Jakobsen T., Kehlet H., Husted H., Petersen Janne</i>

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		Smart knee replacement implant to powerlessly measure the fixation integrity in real time
P10-1579		<i>Darton Hannah (United Kingdom), Cegla F., Lord B., Vaidyanathan R., Jeffers J.</i>
		10 year results of the tension controlled, ligament balanced total knee arthroplasty
P10-1598		<i>Klenk J. (Switzerland), Christen B., Eijer H., Schuster A.</i>
		Selected versus routine one stage exchange for chronically infected total knee arthroplasty. A multicentric case-control study
P10-1600		<i>Jenny J. (France), Massin P., Barbe B., Cazenave A., Roche O.</i>
		Return to sports activity after unicompartmental knee arthroplasty
P10-1601		<i>Raspugli G. (Italy), Lo Presti M., Iacono F., Bruni D., Akkawi I., Zaffagnini S., Marcacci M.</i>
		The sealing of the intramedullar femoral canal in a total knee arthroplasty does not reduce postoperative blood loss: A randomized prospective study
P10-1616		<i>Torres-Claramunt R. (Spain), Gil-González S., Pérez-Prieto D., Leal J., Pelfort X., Hinarejos P., Puig-Verdú L.</i>
		Antibacterial-loaded hydrogel for implant coating: a preclinical studies
P10-1699		<i>Logoluso N. (Italy), Drago L., Boot Willemijn, Gawlitta Debby, Malizos K., Stuyck J., Hänsch Gertrud M, Romanò C.</i>
		Improving outcomes of lateral unicompartmental knee arthroplasty with robotic-assisted surgery
P10-1715		<i>Augart M. (USA), Plate J., Seyler T., Von Thae Sarah, Allen J., Tamam C., Poehling G., Jinnah R.</i>
		SPECT/CT evaluating patients after unicondylar knee arthroplasty: A combined analysis of tracer uptake distribution and component position
P10-1722		<i>Hirschmann M. (Switzerland), Suter B., Testa E., Rasch H., Friederich N.</i>
		The incidence and natural history of pain after medial unicompartmental knee replacement
P10-1723		<i>Dodd C. (United Kingdom), Gulati A., Pegg EC, Burchette D., Jenkins C, Pandit H., Murray D.</i>
		A novel algorithm for evaluation of patients with pain after total knee arthroplasty including SPECT/CT
P10-1726		<i>Hirschmann M. (Switzerland), Rasch H.</i>

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P10-1728	Clinico-biomechanical investigation of bone overload as a cause of pain after UKR <i>Murray D. (United Kingdom), Gulati A., Pegg EC, Pandit H.</i>
P10-1741	Gait knee kinematic alterations in medial osteoarthritis: 3D assessment <i>Bytyqi Dafina (Kosovo), Shabani B., Lustig S., Cheze Laurence, Karahoda Gjyrgjeala Natyra, Neyret P.</i>
P10-1745	The sulcus line of the trochlear groove produces accurate femoral component rotation in a large clinical series <i>Talbot S. (Australia), Bartlett J., Dimitriou P., Radic R.</i>
P10-1746	Alignment, laxity and outcome after TKR, a prospective study with > 7.5 year follow up <i>Eriksson K. (Sweden), Bartlett J.</i>
P10-1781	Quantative gait analysis in patients after total knee arthroplasty. Comparison between cruciate-retaining and posterior-substituting design <i>Hajduk G. (Poland), Nowak Karina, Sobota G., Bacik B., Kusz D., Kopec K., Blaszcak E.</i>
P10-1782	Clinical validation of model-based measurement of minimum insert thickness in total knee arthroplasty: A retrieval study <i>Kaptein B. (Netherlands), van IJsseldijk E., Harman Melinda, Valstar E.</i>
P10-1792	Pre-clinical stability assessment methods for total knee replacements <i>Halewood Camilla (United Kingdom), Amis A.</i>
P10-1802	The effect of conservative treatment in symptomatic midgrade knee osteoarthritis. 5-year-results of a retrospective study and of a systematic review <i>Spahn G. (Germany), Klinger H., Hofmann G.</i>
P10-1804	Pressure algometry applied to the end of the tibial stem pain in total knee replacement. Reliability study in healthy population and prospective evaluation in patients with a tibial press-fit stem <i>Guirro P. (Spain), Pelfort X., Hinarejos P., Torres-Claramunt R., Sánchez-Soler J., Puig-Verdie L.</i>
P10-1805	Control of paradoxical kinematics in cruciate retaining total knee prosthesis using navigation <i>Massin P. (France), Donadio Julia, Pelissier A., Boyer P.</i>
P10-1826	Arthroscopic arthrolysis for arthrofibrosis after total knee replacement. Surgical technique and results <i>Ateschrang A. (Germany), Grünwald L., Stöckle U., Schröter S.</i>

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	Are all-polyethylene tibial components a viable biomechanical alternative in TKAs?		
P10-1844	Pianigiani Silvia (Italy), Brillhault J., Navacchia A., Labey L., Pascale W., Innocenti B.		
	Progression of medial OA and long term results with lateral unicompartmental arthroplasties: 54 cases at minimum 10ys FU		
P10-1847	Lustig S. (France), Franck F., Debette Caroline, Servien Elvire, Neyret P.		Timetables
	Unicompartmental lateral knee arthroplasty using the robotic arm system		
P10-1946	Franceschi G. (Italy), Bertolini D., Khabbazè C., Rovini A., Nardacchione R.		
	Evaluation of joint kinematics and patella tracking in different replacement scenarios with a modular partial knee prosthesis		
P10-1951	Calliess T. (Germany), Ettinger M., Becher C., Ostermeier S.		Wednesday
	Total knee replacement after post traumatic arthritis of the knee		
P10-2014	Reyes N. (Chile), Canales A., Vial R., Abusleme R., Gaggero N., Sandoval C.		
	Evaluation of the ideal extension angle for TKA using intraoperative passive extension radiograph		
P10-2024	Chung K. (South Korea (ROK)), Lee M., Lee J., Lee S., Kim S., Cho Y., Lee Y., Ro D.		Thursday
	Evaluation of the rotational alignment of the femoral component in total knee arthroplasty		
P10-2031	Tanaka K. (Japan), Nagamine R.		
	Functional and radiographic short-term outcome evaluation of one patient specific instrumentation system for total knee arthroplasty		
P10-2035	Vundelinckx B. (Belgium), De Mulder K., De Schepper J., Van Esbroeck G.		Friday
	Human amniotic fluid stem cells (AFSC) unselected for c-kit engrafted in natural hydroxyapatite for bone regeneration in a rat model: A pilot study		
P10-2043	Pantalone A. (Italy), Vanni D., Centurione Maria Antonietta, Centurione Lucia, Antonucci Ivana, Stuppia L., Di Pietro Roberta, Salini V.		
	Anterior knee pain 10 years after balanced gap total knee arthroplasty: Incidence and influencing factors		
P10-2047	van Houten A. (Netherlands), Heesterbeek Petra, Wymenga A.		Saturday
	The sulcus line of the trochlear groove is more accurate than Whiteside's Line		
P10-2069	Talbot S. (Australia), Bartlett J., Dimitriou P., Zordan Rachel		
	The accuracy of the 2-dimensional digital templating for preoperative planning of total knee arthroplasty and unicompartmental knee arthroplasty		
P10-2077	Shimosawa H. (Japan), Kodama T.		Posters

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P11-2085	Current techniques for determining femoral component rotation during total knee replacement are prone to unnecessary geometrical errors <i>Talbot S. (Australia), Bartlett J., Dimitriou P., Mullen M.</i>
P11-2096	Change of unaffected limb gait pattern after unilateral total knee arthroplasty <i>Lee M. (South Korea (ROK)), Lee S., Seong S., Lee J., Ro D., Lee Y., Cho Y., Chung K.</i>
P11-2107	Morphometric differences of distal femoral cut surface between Korean male and female in total knee arthroplasty <i>Cho S. (South Korea (ROK)), Youm Y., Lee S., Lee C.</i>
P11-2114	Effectiveness of periarticular injection and/or femoral nerve block in pain management after total knee arthroplasty <i>Cho S. (South Korea (ROK)), Youm Y., Lee S., Lee C., Hwang C.</i>
P11-2135	Cemented vs. cementless femoral component in total knee arthroplasty: Seven-year follow-up of a prospective randomized study <i>Demey G. (France), Servien Elvire, Lustig S., Villa V., Debette Caroline, Neyret P.</i>
P11-2147	The efficiency of arthroscopy after unicompartmental knee replacement <i>Tamam C. (USA), Plate J., Augart M., Poehling G., Jinnah R.</i>
P11-2156	Total knee replacement at 10-year follow-up: Computer-assisted system vs. conventional instrumentation <i>Ensini A. (Italy), Feliciangeli A., Timoncini A., d'Amato M., Leardini A., Giannini S.</i>
P11-2159	CT-based patient-specific vs. conventional instrumentation: Early clinical outcomes and radiological accuracy after TKA <i>Pauzenberger L. (Austria), Schwameis Eva, Kölblinger R., Kiesselbach Gabriele, Laky Brenda, Anderl W.</i>
P11-2170	Functional and clinical outcome following revision total knee arthroplasty for instability: A prospective cohort study <i>Luttjeboer J. (Netherlands), Bénard M., Defoort K., van Hellemond G., Wymenga A.</i>
P11-2229	Outcome measurement after knee arthroplasty in activities of daily living and sports using a new developed mobile gait analysis system <i>Calliess T. (Germany), Bocklage R., Schulze Mareike, Marschollek M.</i>

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	The tibial centroid axis: A reliable axis for rotational orientation of the tibial plateau in knee surgery		
P11-2234	Leong A. (United Kingdom), Cobb J., Thangaraj Evelyn, Jones G.		
	Total knee arthroplasty and the unforeseen impact on work: A new valid questionnaire and the results of a crosssectional survey		Timetables
P11-2236	Kievit A. (Netherlands), Kuijer P., Sierevelt Inger, van Geenen R., Frings-Dresen Monique, van Dijk C., Blankevoort L., Schafroth M.		
	Single radius total knee replacement provides an envelope of laxity comparable with the native knee		Wednesday
P11-2243	Hunt Nicola (United Kingdom), Ghosh K., Blain A., Longstaff L., Rushton S., Deehan D.		
	Bilateral simultaneous total knee arthroplasty: Early outcomes and complications		
P11-2245	Haddad B. (United Kingdom), Mehta V., Khan W., Mbubaegbu C., Qamar A.		
	Factors affecting the osteolysis around the components after posterior stabilized total knee replacement arthroplasty		Thursday
P11-2274	Kim C. (South Korea (ROK)), Lee C., Seo S.		
	Superficial infection does not become a chronic deep infection in total knee arthroplasty		
P11-2279	Guiro P. (Spain), Hinarejos P., Leal J., Pelfort X., Torres-Claramunt R., Puig-Verdie L.		
	Monoaxial vs. polyaxial locking plate fixation in type-C distal femoral fractures: A biomechanical in vitro study		Friday
P11-2284	El-Zayat B. (Germany), Efe T., Ruchholtz S., Khatib S., Timmesfeld Nina, Krüger A., Zettl R.		
	Functionality and life quality with a total knee arthroplasty over 80 years old		
P11-2298	Alentorn E. (Spain), Leal-Blanquet J., Guiro P., Hinarejos P., Pelfort X., Puig-Verdie L.		
	Outcomes for fixed- versus mobile-bearing UKA: a systematic review and meta-analysis		Saturday
P11-2333	Vandenlangenbergh T. (Belgium), Peersman G., Stuyts B., Cartier P., Fennema P.		
	Evaluation of polyetheretherketone (PEEK) for use in a tibial resurfacing implant		Posters
P11-2354	Lehrberger K. (Germany), Crosbie S., Felt J., Mehawej J., Markman D., Rydell M.		

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	Surgeon preference is more important than radiological disease severity in determining arthroplasty choice for the treatment of unicompartmental knee arthrosis
P11-2376	<i>Jones G. (United Kingdom), Kong C., Ng J., Cobb J.</i>
	Re-Revision TKA often involves the extensor apparatus
P11-2398	<i>Christen B. (Switzerland), Kleer Barbara</i>
	The risk of biconvex patella resurfacing in total knee replacement
P11-2404	<i>Kleer Barbara (Switzerland), Christen B.</i>
	Unicompartmental and total knee replacement for osteoarthritis of the knee: a cost-utility analysis using data from three national registries
P11-2465	<i>Andrews B. (United Kingdom), Miraldo Marisa, Field R., Cobb J.</i>
	Traditional distal femoral cutting blocks may lead to inaccurate restoration of the mechanical axis compared to patient specific instrumentation
P11-2466	<i>Robinson J. (United Kingdom)</i>
	Hip strength is the best predictor of stair climbing ability following knee arthroplasty
P11-2504	<i>McClelland Jodie (Australia), Webster Kate, Witchelo Tara, Feller J.</i>
	A morphometric study of the knee joint in normal and varus knees
P11-2512	<i>Puthumanapully P. (United Kingdom), Harris S., Cobb J., Amis A., Jeffers J.</i>
	Minimum thickness of all-poly tibial component unicompartmental knee arthroplasty in patients younger than 60 years does not increase revision rate for aseptic loosening
P11-2535	<i>Bruni D. (Italy), Gagliardi M., Marko T., Akkawi I., Raspugli G., Nitri M., Iacono F., Zaffagnini S., Marcacci M.</i>
	Unicompartmental knee replacement: Satisfactory 14-years implant survivorship with all-poly tibial component
P11-2539	<i>Bruni D. (Italy), Gagliardi M., Marko T., Raspugli G., Nitri M., Iacono F., Zaffagnini S., Marcacci M.</i>

P12: KNEE ACL

P12-1024	The effect of intraoperative gentamicin in irrigating solutions on articular infection prophylaxis during arthroscopic ACL reconstruction surgery. A prospective randomized study <i>Yazdi H. (Iran)</i>
P12-1040	ACL footprint size is correlated with the height and area of the lateral wall of femoral intercondylar notch <i>Iriuchishima T. (Japan), Fu F.</i>
P12-1041	Size comparison of ACL footprint and reconstructed auto graft <i>Iriuchishima T. (Japan), Fu F.</i>
P12-1049	Magnetic resonance imaging new combined method assessment of tibial plateau slope and depth as risk factors for anterior cruciate ligament injury (ACL) in correlation with ACL arthroscopic findings: Does it correlate? <i>Ghandour T. (United Arab Emirates), Ghandour A., Abdelrahman A., El Gazar H.</i>
P12-1051	Five-year outcome after anatomic triple-bundle ACL reconstruction using hamstring tendon graft <i>Tachibana Y. (Japan), Mae T., Nakagawa S., Hiramatsu K., Nakata K., Matsuo T., Shino K.</i>
P12-1055	Arthroscopic determination of the center of the ACL tibial footprint using three-dimensional computed tomography analysis <i>Debandi A. (Chile), Diaz J., Nuñez A., Zamorano A., Soto M., Riquelme Ana, Catalan J.</i>
P12-1062	Does electrical muscle stimulation influence the results of anterior cruciate ligament reconstruction? A prospective, randomized comparison of a postoperative electrical muscle stimulation group and a non-electrical muscle stimulation group <i>Shimizu M. (Japan), Kimura M.</i>
P12-1078	Tunnel collisions in simultaneous anterior cruciate ligament and posterolateral corner reconstruction: Transparent 3D computed tomography analysis <i>Gali J. (Brazil), Cintra da Silva P., Almagro M., Caetano E.</i>
P12-1086	Knee flexor strength and endurance deficits in the ipsilateral hamstring tendons ACL reconstructed leg predict self-reported outcomes in athletic women two years following surgery <i>Vairo G. (USA), Sherbondy P., Sebastianelli W.</i>
P12-1088	Retrograde tibial tunnel drilling decreases bone lesions and early post-operative pain in knee ligamentoplasty <i>Lopes R. (France), Hardy P., Grimaud O., Lanternier H.</i>

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P12-1094	Comparison of tunnel enlargement in anatomic and non-anatomic unibundle ACL reconstruction <i>Ozer H. (Turkey), Özer M., Selek H., Baltaci Gul, Taskesen A.</i>
P12-1107	Rupture of patellar ligament of the knee after ACL reconstruction with BTB graft <i>Milankov Miroslav (Serbia), Janjic Natasa, Nemanja K., Nemanja G., Mirko O.</i>
P12-1110	Bony landmarks of the anterior cruciate ligament tibial footprint: A detailed analysis comparing three-dimensional computed tomography images to visual and histological evaluations <i>Tensho K. (Japan), Akaoka Y., Shimodaira H., Aoki T., Saito N., Kato H.</i>
P12-1118	Prospective comparisons of femoral tunnel enlargement in three different postoperative immobilization periods after double-bundle anterior cruciate ligament reconstruction with hamstring grafts <i>Tajima T. (Japan), Chosa E., Kawahara K., Yamaguchi Nami</i>
P12-1122	Functional performance and kinematic analysis of knee rotational stability in single- versus double-bundle ACL Reconstruction <i>Cheng K. (Taiwan)</i>
P12-1130	Second's fracture: A biomechanical study using navigation <i>Monaco E. (Italy), Maestri Barbara, D'Arrigo C., Labianca L., Speranza A., Ferretti A.</i>
P12-1131	Recommendations for management of septic arthritis after ACL reconstruction <i>Wang C. (China), Lee Yee Han D., Siebold R.</i>
P12-1158	Correlation between endobutton loop length and tunnel widening after hamstring anterior cruciate ligament reconstruction <i>Choi N. (South Korea (ROK)), Jung Y., Kim B.</i>
P12-1159	Effect of rotation of guide frame on breakage of bioabsorbable femoral cross-pin <i>Choi N. (South Korea (ROK)), Jung Y., Kim B.</i>
P12-1166	Five-year outcomes after the anatomic triple-bundle ACL reconstruction using hamstring tendon graft <i>Tachibana Y. (Japan), Mae T., Nakagawa S., Hiramatsu K., Kinugasa K., Nakata K., Yoshikawa H., Shino K.</i>
P12-1172	Central anatomic single-bundle anterior cruciate ligament reconstruction versus single-bundle augmentation: Clinical and second-look arthroscopic study <i>Nakamae A. (Japan), Ochi M., Adachi N., Deie M.</i>

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P12-1174	Intrinsic healing response of the human anterior cruciate ligament: A histological study of reattached ACL remnants <i>Nguyen D. (Netherlands), Ramwadhoebe Tamara, van der Hart C., Blankevoort L., Tak P., van Dijk C.</i>	
P12-1175	Biomechanical and histological evaluation of the healing goat anterior cruciate ligament after a new repair technique and bioscaffold treatment <i>Nguyen D. (Netherlands), Raschke M., Tak P., Woo S., van Dijk C., Blankevoort L.</i>	Timetables
P12-1199	Can we cover the same percentage of the femoral ACL footprint using 3 approaches: In-Out, Out-In and trans-tibial? A cadaveric study analyzed by 3D CT D CT <i>Bouguennec N. (France), Robert H.</i>	Wednesday
P12-1213	Revision single-bundle anterior cruciate ligament reconstruction with over-the-top route procedure <i>Kamei G. (Japan), Deie M., Adachi N., Nakamae A., Ishikawa M., Nakasa T., Ochi M.</i>	
P12-1235	Correlation between femoral guide wires position and tunnel communication in double bundle anterior cruciate ligament reconstruction <i>Hwang S. (South Korea (ROK)), Kim H.</i>	Thursday
P12-1240	Quantification of the pivot-shift test using a navigation system with non-invasive surface markers <i>Maeda S. (Japan), Tsuda E., Hiraga Y., Yamamoto Y., Ishibashi Y.</i>	
P12-1260	Effects of remnant ligament tissue preservation on the clinical outcome after anatomic double-bundle anterior cruciate ligament reconstruction <i>Kondo E. (Japan), Onodera Jun, Kawaguchi Y., Kitamura N., Iwasaki N., Yasuda K.</i>	Friday
P12-1285	Psychological factors as predictors of returning to pre-injury level sport after ACL reconstruction surgery <i>Arden Clare (Australia), Taylor N., Whitehead T., Feller J., Webster Kate</i>	
P12-1294	Anchorage mechanism of the anterior cruciate ligament at the tibial enthesis <i>Zhao L. (New Zealand), Thambyah A., Broom N.</i>	Saturday
P12-1296	The most important load-bearing fibers in the femoral attachment of the anterior cruciate ligament for resisting tibial anterior drawer force and internal-external rotation torque <i>Kawaguchi Y. (Japan), Kondo E., Takeda R., Halewood Camilla, Akita K., Yasuda K., Amis A.</i>	
P12-1303	Study area coverage of simulated single vs. double bundle ACL reconstruction in femoral and tibial footprint in cadaver knee joints <i>Chinanuvathana A. (Thailand), Saowaput S., Sawasdee N., Surachthanan N.</i>	Posters

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P12-1322	All-inside anterior cruciate ligament (ACL) reconstruction: Is it worth the hassle <i>Munjal A. (United Kingdom), Robertson A., Williams R.</i>
P12-1348	Effect of communication of bone tunnels in anatomic double-bundle anterior cruciate ligament reconstruction <i>Ichiba A. (Japan), Kido H., Makuya K.</i>
P12-1369	A prospective prognosis study using multi planar reconstructed computed tomography on tunnel enlargement and coalition after anatomic double-bundle anterior cruciate ligament reconstruction using hamstring tendon autografts <i>Onodera Jun (Japan), Kondo E., Kawaguchi Y., Kitamura N., Yasuda K.</i>
P12-1413	Seven-year clinical and imaging outcomes of anterior cruciate ligament reconstruction using HA-PLLA interference screws <i>Gasser S. (USA), Clark Rachel, Hartzler R., Cabezas A., Gupta A.</i>
P12-1414	Morphological evaluation of ACL remnants using 3-dimensional computed tomography <i>Adachi N. (Japan), Ochi M., Deie M., Nakamae A., Nakasa T., Takazawa K.</i>
P12-1424	Evaluate of the accuracy of the tibial tunnel positioning during reconstruction of the anterior cruciate ligament between navigation system and fluoroscopic imaging <i>Ohashi Y. (Japan), Nakase J., Toratani T., Kosaka M., Numata H., Tsuchiya H.</i>
P12-1438	Long-term examination of bone mineral density in the calcanei after ACL reconstruction in adolescence <i>Mansson O. (Sweden), Ejerhed L., Sernert Ninni, Kartus J.</i>
P12-1439	Radiographic femoral condyle width correlates to ACL insertion site size <i>Chen Antonia F. (USA), Murawski C., Fu F.</i>
P12-1442	Radiographic anterior laxity measurement: supine versus prone positions <i>Mae T. (Japan), Shino K., Hiramatsu K., Tachibana Y., Nakagawa S., Yoshikawa H., Nakata K.</i>
P12-1448	The association of oral contraceptives use on the risk of anterior cruciate ligament reconstruction: A population-based case-control study using the Danish knee ligament reconstruction registry <i>Rahr-Wagner Lene (Denmark), Thillemann T., Pedersen Alma, Lind M.</i>
P12-1456	Effectiveness of creating the tibial tunnel using tibial anatomical landmarks in ACL reconstruction <i>Shimodaira H. (Japan), Tensho K., Akaoka Y., Aoki T., Saito N., Kato H.</i>

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P13-1469	Growth arrest following ACL reconstruction with hamstring autograft in skeletally immature patients: A review of four cases <i>Shifflett G. (USA), Green D., Berner Natalie, Widmann R., Marx R.</i>
P13-1484	Virtual reality enhances normal movement patterns in patients after ACL reconstruction <i>Gokeler A. (Netherlands), Myer G., Benjaminse Anne, Dijkstra P., van Keeken H., van Raaij J., Burgerhof J., Otten E.</i>
P13-1486	The long-term „Ligamentization“ process of human patellar tendon autografts after anterior cruciate ligament reconstruction <i>Kakuta A. (Japan), Yamagishi T.</i>
P13-1504	A frontside versus backside approach techniques of remnant preserving double-bundle ACL reconstruction: A prospective study <i>Muneta T. (Japan), Koga H., Horie M., Nakamura T., Sekiya I.</i>
P13-1536	Concomitant pathology with time to ACL reconstruction surgery <i>Agel Julie (USA), Ralles S., Obermeier M., Tompkins M.</i>
P13-1550	Brace or no-brace after ACL graft? <i>Mayr H. (Germany), Stüeken Paul, Südkamp N., Münch E., Bernstein Anke, Stöhr Amelie</i>
P13-1556	Flexible drill can avoid posterior blowout of femoral tunnel in anatomical double bundle ACL reconstruction <i>Nozaki M. (Japan), Kobayashi M., Goto H., Murase A., Takenaga T., Nagaya Yuko, Iguchi H., Otsuka T.</i>
P13-1559	A biomechanical comparison of anatomic and non-anatomic bundle orientation in double-bundle anterior cruciate ligament reconstruction with a porcine model <i>Moon C. (South Korea (ROK)), Sasaki Y., Pronesti V., Linde-Rosen Monica, Smolinski P., Fu F.</i>
P13-1561	A biomechanical comparison of anatomic PL bundle augmentation to anatomic single- and double-bundle ACL reconstructions for partially ruptured ACL <i>Moon C. (South Korea (ROK)), Sasaki Y., Pronesti V., Linde-Rosen Monica, Smolinski P., Fu F.</i>
P13-1565	Clinical outcome after anatomic double-bundle anterior cruciate ligament reconstruction in patients older than forty years: comparison between different age groups <i>Nishio Y. (Japan), Kondo E., Onodera Jun, Kitamura N., Iwasaki N., Yasuda K.</i>

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P13-1566	Central defect type partial ACL injury model on goat knees: The effect of infrapatellar fat-pad excision <i>Karakilic B. (Turkey), Taskiran E., Doganavsargil Basak, Celik S.</i>
P13-1569	Cross-cultural validation of the ACL return to sport after injury (ACL-RSI) scale <i>Herman S. (France), Bohu Y., Klouche Shahnaz, Lefevre N., Webster Kate</i>
P13-1577	Primary arthroscopic synovectomy for pigmented villonodular synovitis of the knee: Recurrence rate and functional outcomes after a mean follow-up of seven years <i>Herman S. (France), Auregan Jean Charles, Bohu Y., Klouche Shahnaz, Lefevre N., Naouri Jean Francois, Hardy P.</i>
P13-1596	Video analysis of the occurrence of ACL tears in nine professional rugby players <i>Herman S. (France), Bohu Y., Dusfour B., Decq P., Lefevre N., Klouche Shahnaz, Peyrin J.</i>
P13-1617	Does the central anatomic single-bundle reconstruction of the ACL influence rotational movements in the same extent as the double-bundle technique? A clinical study <i>Safi A. (Czech Republic), Hart R., Komzák M., Feranec M.</i>
P13-1621	Clinical and performance-based measures 6 months after anterior cruciate ligament reconstruction do not predict knee function at 5 years <i>Snyder-Mackler Lynn (USA), Wellsandt Elizabeth</i>
P13-1624	Arthroscopic anterior cruciate ligament reconstruction using a quadriceps tendon-patellar bone autograft in press-fit fixation. 3-year results of a prospective clinical study <i>Barié A. (Germany), Huber J., Schmitz A., Streich N.</i>
P13-1629	Do graft diameter and operative age influence the laximetric results of ACL reconstruction? Study of 87 hamstring reconstructions <i>Robert H. (France), Marchand J., Couprie A.</i>
P13-1642	Ligamentization in (hamstring) tendon grafts following anterior cruciate ligament reconstruction: A discussion of state of the art literature and future implications <i>Paizenberger L. (Austria), Syré Stefanie, Schurz M.</i>
P13-1648	Factors associated with anterior knee pain 12 months after ACL reconstruction using hamstring tendon autograft <i>Culvenor A. (Australia), Collins Natalie, Vicenzino B., Cook Jill, Crossley Kay</i>

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P13-1659	Mechanical characterization of cruciate and collateral ligaments of human knee <i>Pianigiani Silvia (Italy), Godet S., Malet L., De Corte R., Labey L., Pascale W., Innocenti B.</i>		
P13-1683	Nonsurgical or surgical treatment of anterior cruciate ligament injuries: Knee function, sports participation and knee reinjury. The Delaware-Oslo ACL cohort study <i>Grindem Hege (Norway), Eitzen Ingrid, Engebretsen L., Snyder-Mackler Lynn, Risberg May Arna</i>	Timetables	
P13-1685	Association of activity and fear with joint space width after anterior cruciate ligament reconstruction <i>Snyder-Mackler Lynn (USA), Wellsandt Elizabeth, Axe M.</i>	Wednesday	
P13-1687	Ten years using synthetic ligament in ACL reconstruction – Personal experience <i>Antonelli S. (Italy)</i>	Wednesday	
P13-1691	Effect of fixation angle and graft tension in double-bundle anterior cruciate ligament reconstruction on knee biomechanics in human cadaver <i>Sasaki Y. (USA), Fujii M., Linde-Rosen Monica, Smolinski P., Fu F.</i>	Thursday	
P13-1692	The influence of tibial tunnel orientation on postoperative knee laxity in ACL reconstructions <i>Lopomo N. (Italy), Signorelli Cecilia, Bonanzinga T., Marcheggiani Muccioli G., Visani A., Zaffagnini S.</i>	Thursday	
P13-1734	Biomechanical comparison of different fixation techniques for reconstruction of tibial avulsion fractures of the anterior cruciate ligament <i>Becher C. (Germany), Ezechieli M., Drazidis A., Glaab R., Ryf C., Hurschler C., Ettinger M.</i>	Friday	
P13-1743	In situ graft force with inclination angle in single bundle anterior cruciate ligament reconstruction <i>Smolinski P. (USA), Araujo P., Middleton Kellie, Irrgang J., Linde-Rosen Monica, Fu F.</i>	Friday	
P13-1750	Pre-clinical evaluation of biological and biomechanical performance of a resorbable PLLA scaffold for reconstruction and regeneration of the anterior cruciate ligament <i>Stanton R. (Australia), Walsh W., Bertollo N., Laurencin C., Poggie R., Arciero R.</i>	Saturday	

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	To evaluate if the anthropometric and demographic measures of patients under 18 years can be used to predict the diameter of semitendinosus-gracilis autograft in ACL reconstruction surgery
P13-1757	<i>Figueroa D. (Chile), Espinosa Ipinza M., Calvo R., Calvo Mena R.</i>
	Comparative evaluation of the lateral notch sign in patients with ACL lesion
P13-1760	<i>Ronga M. (Italy), Paiusco E., Gianazza G., Genovese E., Cherubino P.</i>
	Press fit fixation using autologous bone in the tibial canal leads to reduction of bone tunnel diameter in ACL reconstruction – a CT scan analysis three months postoperatively
P13-1763	<i>Akoto R. (Germany), Müller-Hübenthal J., Balke M., Albers M., Bouillon B., Höher J.</i>
	Effects of core muscle training on neuromuscular control of lower limb and trunk during jump-landing and single-leg squatting in collegiate female basketball players
P13-1774	<i>Sasaki S. (Japan), Tsuda E., Hiraga Y., Yamamoto Y., Maeda S., Kimura Yuka, Fujita Yuki, Ishibashi Y.</i>

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P14-1790	Comparison of a thin-sliced MRI-sequence with the golden standard CT in measurement of tunnel diameters prior to revision ACL reconstruction <i>Drews B. (Germany), Mauch F., Huth J., Merz Cornelia, Bauer G.</i>
P14-1793	The influence of gender and age on the bone tunnel enlargement after anatomical double-bundle ACL reconstruction <i>Inoue M. (Japan), Kawahara H., Sasaki T., Kameda T., Onodera S., Yasuda K.</i>
P14-1803	Bone-patellar tendon-bone vs. double semitendinosus and gracilis tendon grafts in ACL reconstruction: A 12 year-minimum follow-up of a randomized clinical trial <i>Giron F. (Italy), Michele L., Giannini L., Raspanti A., Buzzi R.</i>
P14-1816	Evaluation of tibial angular velocity in the ACL deficient and the posterior horn medial meniscal tears during the Pivot-shift test using the gyrosensor <i>Terada S. (Japan), Murase A., Nozaki M.</i>
P14-1823	Concurrent anterior and static rotational knee laxity measurements improve anterior cruciate ligament injury diagnosis <i>Mouton Caroline (Luxembourg), Theisen D., Nührenbörger C., Pape D., Seil R.</i>
P14-1829	Effect of graft size and insertion site area in single bundle anterior cruciate ligament reconstruction: A biomechanical evaluation of porcine knee kinematics <i>Sasaki Y. (USA), Chang S., Linde-Rosen Monica, Smolinski P., Fu F.</i>
P14-1833	How accurate are anatomic landmarks for femoral tunnel positioning in ACL reconstruction? An in vivo imaging analysis comparing both anteromedial portal and outside-in techniques <i>Pansard E. (France), Vardi G., Greeff E., Klouche Shahnaz, Hardy P., Ferguson M.</i>
P14-1845	Anatomic single bundle anterior cruciate ligament reconstruction is possible using the modified transtibial technique – Comparison with the anteromedial transportal technique <i>Lee M. (South Korea (ROK)), Lee J., Lee S., Seong S., Chung K.</i>
P14-1846	Selective posterolateral bundle reconstruction of anterior cruciate ligament (ACL) <i>Calvisi V. (Italy), Palumbo P., Goderecci R., Manco Annalisa, Dari Salisburgo Luigia</i>
P14-1875	Comparative study of septic arthritis after single and double bundle anterior cruciate ligament reconstruction <i>Jain V. (India), Goyal A., Bahl V., Joshi D., Chaudhary D.</i>
P14-1882	Femoral tunnel widening in single bundle anterior cruciate ligament reconstruction- transtibial vs. transportal technique <i>Jain V. (India), Goyal A., Bahl V., Joshi D., Chaudhary D.</i>

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P14-1883	Double bundle hamstring ACL reconstruction has no superior results when compared to anatomical single bundle reconstruction over an anteromedial portal: Prospective, matched pairs analysis after five years, preliminary results <i>Höher J. (Germany), Fink M., Braas Maïke, Offerhaus C., Balke M.</i>
P14-1899	Anteromedial vs. transtibial tunnel placement in ACL surgery: A 3D and finite element analysis <i>Tampere T. (Belgium), Cromheecke M., Aernout Nele, Verdonk P., Victor J.</i>
P14-1910	Biomechanical evaluation of knee kinematics after ACL reconstructions in anatomic SB – and DB – technique with additional medial meniscus suture <i>Lorbach O. (Germany), Kieb M., Herbolt M., Raschke M., Engelhardt M.</i>
P14-1957	Anterior cruciate ligament (ACL) reconstruction and return to sport activity: Postural control as the key to success <i>Franceschi F. (Italy), Papalia R., Franceschetti E., Tecame A., Zampogna B., Vasta S., Maffulli N., Denaro V.</i>
P14-1959	T1 rho quantitative assessment of cartilage fissures on the medial femoral condyle associated with anterior cruciate ligament injury <i>Ogawa M. (Japan), Uematsu K., Inagaki Y., Hara R., Tanaka K., Kumai T., Tanaka Y.</i>
P14-1965	Anatomy and biomechanics of the anterolateral ligament <i>Dodds A. (United Kingdom), Halewood Camilla, Williams A., Gupte C., Amis A.</i>
P14-1966	Two to twelve year outcomes of knee function and activity level following revision ACL reconstruction with autograft <i>Pagoti R. (United Kingdom), Nicholas R.</i>
P14-1970	MRI appearances of the anterolateral ligament <i>Dodds A. (United Kingdom), Walker Miny, Khanna M., Gupte C., Baskaradas A., Halewood Camilla, Williams A., Amis A.</i>
P14-1973	Femoral bioabsorbable cross-pins fixation in ACL reconstruction – MRI and clinical study of femoral tunnel at 4 years follow up <i>Ambrozic B. (Slovenia)</i>
P14-1975	Mechanoreceptor re-innervation following allograft vs. autograft anterior cruciate ligament reconstruction <i>Valladares R. (USA), Young S., Dragoo J.</i>
P14-1978	Pre-operative measures predict the time to pass return to activity criteria after ACL-reconstruction <i>Nawasreh Z. (USA), White Kathleen, Logerstedt D., Snyder-Mackler Lynn</i>

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	P14-1981	The relationship between quadriceps index and hop symmetry indexes with IKDC2000 activity-specific questions <i>Logerstedt D. (USA), Snyder-Mackler Lynn</i>	Timetables
	P14-2004	Evaluation in coronal plane of the graft impingement after anatomical anterior cruciate ligament reconstruction <i>Wang J. (South Korea (ROK)), Kyung B., Yeo I., Kim Min Jung, Yoon Y., Ahn J.</i>	
	P14-2012	Dynamic three-dimensional analysis of Lachman test in anterior cruciate ligament injury using biplane fluoroscopy <i>Wang J. (South Korea (ROK)), Koo S., Kyung B., Jung J., Ahn J.</i>	
	P14-2013	Osseous landmarks for reconstruction of the anterior cruciate ligament from arthroscopic view – a macroscopic-anatomical study <i>Rieschl D. (Germany), Weninger P., Hirtler Lena</i>	Wednesday
	P14-2023	Tibial ACL insertion: Crescent shaped without posterolateral fibers <i>Siebold R. (Germany), Schuhmacher P., Fink C., Smigielski R.</i>	Thursday
	P14-2028	Analysis of femoral tunnels using 3D CT models and early clinical results in anatomical single bundle ACL reconstruction – A comparison between modified transtibial and anteromedial portal techniques <i>Cho S. (South Korea (ROK)), Youm Y., Lee S., Lee C.</i>	
	P14-2029	The angle in sagittal plane is important to reduce the complication of transportal technique: In vivo study <i>Wang J. (South Korea (ROK)), Park S., Moon S., Ahn J., Kim Min Jung, Chang M.</i>	
	P14-2032	Interference screw fixation of tendon grafts: time dependent behaviour of the contact force <i>Stärke C. (Germany), Winkelmann Ulrike, Glüge S., Winkelmann U., Lohmann C., Becker R.</i>	Friday
	P14-2034	A systematic review of measurement properties of the IKDC-Subjective knee form <i>Kvist Joanna (Sweden), Terwee Caroline, Tigerstrand Grevnerts Hanna</i>	Saturday
	P14-2036	Validation of anterior cruciate ligament insertion site location and area determination using high-resolution 3D isotropic magnetic resonance imaging <i>Araki D. (USA), Thorhauer E., Fu F., Tashman S.</i>	
	P14-2038	Importance of timing to avoid additional meniscal and chondral injuries in ACL reconstruction <i>Ercin E. (Turkey), Bilgili M., Atbasi Z., Tanriverdi B., Basaran S., Kural C.</i>	Posters

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P15-2055	The length of the femoral tunnel in anatomic ACL reconstruction. Comparison of three clinical techniques <i>Kadija M. (Serbia), Bumbasirevic M., Carevic Z., Milovanovic D., Raspopovic-Dubljanin Emilija, Stijak L.</i>
P15-2056	Biomechanical comparison of a double-bundle ACL reconstruction with one and two tibial tunnels <i>Drews B. (Germany), Seitz A., Huth J., Bauer G., Ignatius Anita, Dürselen L.</i>
P15-2057	8 year follow-up of Anterior cruciate ligament reconstruction using quadriceps tendon autograft and press-fit fixation <i>Streich N. (Germany), Köpf M., Huber J., Barié A.</i>
P15-2072	Performance-based or patient-reported function 12 months after ACL reconstruction is not influenced by pre-injury sports participation <i>Logerstedt D. (USA), Snyder-Mackler Lynn</i>
P15-2075	Biodegradation of a magnesium alloy implant in the intercondylar femoral notch showed an appropriate response to the synovial membrane in a rabbit model in vivo <i>Becher C. (Germany), Ezechieli M., Diekmann Julia, Schavan R., Lucas A., Windhagen H.</i>
P15-2121	Kinematic analysis of one-leg hop more than 20 years after anterior cruciate ligament injury <i>Tengman Eva (Sweden), Grip Helena, Stensdotter Ann-Katrin, Häger Charlotte</i>
P15-2131	Effect of Immobilization on Z-Plasty type anterior cruciate ligament transection in adolescent goat knees <i>Karakilic B. (Turkey), Taskiran E., Doganavsargil Basak, Uzun B., Celik S.</i>
P15-2146	Stability and Arthroscopic findings after ACL reconstruction according to posterior tibial slope <i>Park H. (South Korea (ROK))</i>
P15-2155	The anterior cruciate ligament-hamstring reflex: Can this be used in clinical setting? <i>Anley C. (United Kingdom), Abualhasan J., Grey M., Snow M.</i>
P15-2158	The 13 to 20 years old anterior cruciate ligament reconstructed are at higher risk for rerupture of the graft. Results from the Danish registry for knee ligament reconstruction <i>Faunø P. (Denmark), Wagner Lene, Lind M.</i>
P15-2161	Comparison of medial and lateral posterior tibial slope (PTS) in ACL-injured and control subjects using MRI knee, CT knee and long-leg CT <i>Bird J. (United Kingdom), McGarvey C., Jaggard M.</i>

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	A short version of the anterior cruciate ligament return to sport after injury (ACL-RSI) scale designed for clinical use		
P15-2162	Webster Kate (Australia), Ardern Clare, Feller J.		
	Patellar size variation at the quadriceps tendon-bone block harvest site		
P15-2166	Hofbauer M. (Austria), Banke I., Murawski C., Andrews Carol L., Huang Y., Irrgang J., Fu F.		Timetables
	Biomechanical gait differences in athletes after ACLR: Those who went on to re-injury vs. those who did not		
P15-2171	Logerstedt D. (USA), Failla M., Snyder-Mackler Lynn		
	Functional status and return to sport rates for potential copers and non-copers 2 years after ACLR		
P15-2179	Logerstedt D. (USA), Failla M., Snyder-Mackler Lynn		Wednesday
	The learning curve of AM-portal technique – use of postoperative CT-analysis as feedback for femoral tunnel placement		
P15-2181	Inderhaug E. (Norway), Larsen A., Strand T., Solheim E.		
	Arthroscopic ACL reconstruction in growing athletes		
P15-2194	Dei Giudici L. (Italy), Franceschini V., Fabbrini R., Tucciarone A., Chillemi C.		Thursday
	Return-to-activity after ACL reconstruction: A standardized function-based algorithm		
P15-2199	Saier T. (Germany), Keller M., Schmidlein O., Kurz E.		
	Comparison of medial and lateral incomplete meniscal tears left in situ during ACL reconstruction		
P15-2204	Prejbeanu R. (Romania), Vermesan D., Haragus H., Predescu V., Deleanu B.		Friday
	Functional outcome after ACL revisions using hamstrings or patellar tendon autografts		
P15-2209	Prejbeanu R. (Romania), Haragus H., Vermesan D., Predescu V., Deleanu B.		
	Inter-surgeon differences in single bundle ACL graft tension using the 'manual maximal' tensioning technique		
P15-2210	Sasaki Y. (USA), Moon C., Linde-Rosen Monica, Smolinski P., Fu F.		
	Dynamic intraligamentary stabilization and primary repair: A novel concept for the treatment of knee dislocation		
P15-2215	Ahmad S. (Switzerland), Eggli S., Evangelopoulos D., Henle P., Kohl S.		
	A novel technique, dynamic intraligamentary stabilization creates optimal conditions for primary ACL healing: A preliminary biomechanical study		
P15-2223	Ahmad S. (Switzerland), Eggli S., Evangelopoulos D., Henle P., Kohl S.		Posters

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P15-2230	MRI study of muscular volume evolution in double bundle semitendinosus and gracilis ACL reconstructed patients. A one year follow up study <i>Setuain-Chorrraut I. (Spain), Idoate F., Bikandi E., Gorostiaga E., Izquierdo M., Alfaro-Adrián J.</i>
P15-2247	Which C-Reactive Protein values indicate infection in the first postoperative month after anterior cruciate ligament reconstruction? A multicentric study <i>Ruiz-Iban M. (Spain), Diaz Heredia J., Cebreiro Martinez Val I., Sastre S., Pelfort X.</i>
P15-2265	Current return to sport rates after anterior cruciate ligament reconstruction and factors that may influence participation: Systematic review update <i>Ardern Clare (Australia), Taylor N., Feller J., Webster Kate</i>
P15-2267	The lateral intercondylar ridge: Anatomic variations and relationship to the anterior margin of the anterior cruciate ligament <i>Tsukada S. (Japan), Fujishiro Hitomi, Watanabe K., Nimura A., Mochizuki T., Yasuda K., Akita K.</i>
P15-2275	Results of ACL Reconstruction using second look arthroscopic examination <i>Kim C. (South Korea (ROK)), Lee C., Seo S.</i>
P15-2276	Clinical results comparing transtibial technique and outside in technique in single bundle anterior cruciate ligament reconstruction <i>Kim C. (South Korea (ROK)), Lee C., Seo S.</i>
P15-2285	Hamstrings graft biologization in ACL reconstruction: a comparative clinical and MRI study between half and complete tibial tunnel <i>Cavallo M. (Italy), Buda R., Ruffilli A., Ferranti Calderoni E., Pagliazzi G., Natali S., Giannini S.</i>
P15-2292	Experiences with the all inside technique for anterior cruciate ligament repair – A 1-year prospective follow-up study <i>Tiefenböck T. (Austria), Plachel F., Steiner G., Syré Stefanie, Hajdu S., Schurz M.</i>
P15-2304	Comparative study of ACL reconstruction with anatomical positioning of the tunnels using the patellar tendon versus hamstring tendon <i>Padua V. (Brazil), provensa a.</i>
P15-2311	Outcomes after anatomic fibular collateral ligament reconstruction <i>LaPrade R. (USA), James E., Matheny Lauren</i>
P15-2327	Clinical outcome of anteromedial portal versus transtibial drilling technique in ACL reconstruction <i>Sandelin J. (Finland), Harilainen A.</i>

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P16-2331	Coronal limb alignment and indications for high tibial osteotomy in patients undergoing revision ACL reconstruction <i>Won H. (South Korea (ROK)), Chang C., Choi Ja-Young</i>		
P16-2343	Side-to-side differences between right and left knees in postoperative laxity after anterior cruciate ligament reconstruction with hamstring tendon and interference screw fixation <i>Offerhaus C. (Germany), Balke M., Braas Maïke, Gick S., Pennig D., Höher J.</i>		Timetables
P16-2363	Fatigue improves symmetry of the bilateral squat exercise in patients who have undergone anterior cruciate ligament reconstruction surgery <i>Webster Kate (Australia), McClelland Jodie, Feller J., Austin D.</i>		
P16-2389	Quantitative in situ analysis of the human anterior cruciate ligament and midsubstance cross sectional area <i>Fujimaki Y. (USA), Murawski C., Thorhauer E., Sasaki Y., Tashman S., Smolinski P., Fu F.</i>		Wednesday
P16-2391	Is the size of the ACL graft important for the successful anterior cruciate ligament reconstruction in athletes? <i>Gudas R. (Lithuania), Siupsinskas L., Smailys A.</i>		
P16-2408	Knee and ACL injuries in thirty-five sports <i>Aman Malin (Sweden), Henriksson-Larsén Karin</i>		Thursday
P16-2415	Despite returning to pre-injury activities, failing return to activity criteria identifies limb-to-limb asymmetries one year after anterior cruciate ligament reconstruction <i>Logerstedt D. (USA), White Kathleen, Nawasreh Z., Snyder-Mackler Lynn</i>		
P16-2416	Approach to treatment algorithm for concomitant injury of medial collateral ligament in athletes with rupture of the anterior cruciate ligament <i>Blanke F. (Switzerland), Pagenstert G., Majewski M.</i>		Friday
P16-2427	Movement patterns and jumping performance after ACL reconstruction measured by a single inertial unit. A preliminary comparative study between conventional and accelerated rehabilitation programmes <i>Setuain-Chorraut I. (Spain), Echalecu Saïoa, Gorostiaga E., Izquierdo M., Alfaro-Adrián J.</i>		
P16-2437	Biomechanics of the anterolateral ligament: The Pivot-Shift unraveled? <i>Claes S. (Belgium), Vereecke Evie, Bartholomeeusen S., Schaftroth M.</i>		
P16-2439	The Second fracture: Just an X-ray clue for ACL injury? <i>Claes S. (Belgium), Luyckx T., Vereecke Evie, Schaftroth M.</i>		Saturday

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P16-2442	High prevalence of anterolateral ligament (ALL) abnormalities in MR images of ACL-injured knees <i>Claes S. (Belgium), Bartholomeeusen S., Schaefroth M.</i>
P16-2443	Usefulness of continous pasive motion machine in the early postoperative period of ACL surgery. A prospective randomized study <i>Lopez Vidriero E. (Spain), Lopez-Vidiero Rosa, Gallardo E., Hidalgo Carmen, Fernandez J.</i>
P16-2450	Trans tibial v ,anatomical' primary anterior cruciate ligament reconstruction: Early functional outcome <i>O'Leary S. (United Kingdom), Pradhan R., Burden Debbie</i>
P16-2457	Isolated AM or PL bundle augmentation may improve sports function scores and restore functional knee propioception: better than conventional ACL reconstruction <i>Robinson J. (United Kingdom)</i>
P16-2463	Non-accelerated ACL rehabilitation does not diminish recovery of muscle function at 6 months post-op compared with accelerated rehab <i>Robinson J. (United Kingdom)</i>
P16-2471	Comparison of anatomic and traditional tunnel anterior cruciate ligament reconstruction <i>Robb C. (United Kingdom), Hickson C., Benjamin P., Mayahi R., Getgood A., Sprowson A., Thompson P., Spalding T.</i>
P16-2501	Return to pre-injury level of competitive sports after anterior cuciate ligament (ACL) reconstruction <i>Irrgang J. (USA), Yabroudi M., Lynch A., Muller B., Lai C., Oostdyk Alicia, Fu F., Harner C.</i>
P16-2505	Defining thresholds for the patient acceptable symptom state for the IKDC subjective knee form and KOOS for patients undergoing ACL reconstruction <i>Muller B. (Netherlands), Yabroudi M., Lai P., Lynch A., Harner C., van Dijk C., Fu F., Irrgang J.</i>
P16-2520	The importance of test-retest reliability and reproducibility over time during objective knee examination <i>Stinton S. (USA), DeJarnette N., Madden T., Branch T.</i>
P16-2522	The importance of a complete clinical knee exam using three independent laxity tests <i>Branch T. (USA), Siebold R., Browne J., Stinton S.</i>

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| P16-2525 | Increased tibial rotation during dynamic pivoting tasks is restored after anatomic ACL reconstruction: a prospective in vivo motion analysis study
<i>Zampeli Francesca (Greece), Giotis D., Pappas E., Georgoulis A.</i> |
| P16-2530 | The potential frequency of anterolateral ligament injuries in at-risk patients in a post-ACL reconstructed population
<i>Branch T. (USA), Stinton S.</i> |
| P16-2531 | The influence of initial graft tension during retrograde inserting of the tibial screw on graft tension in ACL reconstruction
<i>Kopf S. (Germany)</i> |
| P16-2532 | The UK National Ligament Registry: A paperless model for the future?
<i>Spalding T. (United Kingdom)</i> |
| P16-2542 | Arthroscopic treatment for the fracture of tibial intercondylar eminence
<i>Oba H. (Japan), Fukaya Y., Sato K., Ando T.</i> |

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P17-1186	Evaluation of tibial landmarks for posterior cruciate ligament reconstruction with remnant augmentation <i>Maeyama A. (Japan), Saeki K., Mori S., Kamada S., Kobayashi T., Nomura T., Naito M.</i>
P17-1405	Comparative clinical study of two types of posterior cruciate ligament (PCL) reconstruction techniques for multi-ligamentous knee injuries: An analysis with quantitative data obtained from at least 2 years of follow-ups <i>Zhang J. (China)</i>
P17-1433	Double camera and four portal technique for tumoral sinovial excision at the posterior knee space <i>Galindo Rubín C. (Spain), Galindo Rubín P., Cimiano J., De la Red Angeles</i>
P17-1604	Change of the graft bending angle at the tunnel aperture with knee flexion after posterior cruciate ligament reconstruction <i>Takeda Y. (Japan), Manabe H., Kawasaki Y., Amari Rui, Miyatake K., Fujii K.</i>
P17-1737	Validity of a novel arthroscopic test to diagnose posterolateral rotational instability of the knee joint: The lateral gutter drive-through test <i>Feng H. (China)</i>
P17-1770	Graft bending angle of posterior cruciate ligament: Analysis using an in vivo 3D model <i>Yoo Y. (South Korea (ROK)), Seo Y., Song S., Kim I., Kim Y., Jang S.</i>
P17-1993	The iliotibial band is affected by the accessory anterolateral portal in posterior cruciate ligament reconstruction <i>Maeyama A. (Japan), Saeki K., Mori S., Kamada S., Kobayashi T., Nomura T., Naito M.</i>
P17-2019	Sudden compartment syndrome during knee arthroscopy in a Posterior cruciate ligament injury case: A case report <i>Karuppanan C. (India)</i>
P17-2117	Are clinical results and stabilities related to time from PCL injury to reconstruction? <i>Yoon K. (South Korea (ROK)), Lee S., Park K., Chung K., Tak D.</i>
P17-2299	Skeletal imaging following reconstruction of the posterior cruciate ligament: in vivo evaluation of femoral and tibial graft tunnel placement using an all-inside arthroscopic tibial inlay technique <i>Osti M. (Austria), Krawinkel Alessa, Benedetto K.</i>
P17-2329	Abnormal MRI findings of lateral collateral ligament and popliteus tendon can be common in knees without instability <i>Choi Ja-Young (South Korea (ROK)), Chang C.</i>

P18: LEG – ANKLE

		Cost effectiveness for the management of acute achilles tendon rupture: Conservative or operative?
	P18-1007	Ng A. (United Kingdom), Farid M.
		The relationship between the findings of the ultrasonography and the value of the stress radiography in chronic lateral ankle instability
	P18-1090	Takeda M. (Japan), Ishii Y., Noguchi H., Sato J.
		Infected tibias in open fractures
	P18-1268	Agel Julie (USA), Henley B.
		The effect of autologous platelet rich plasma on tissue healing after achilles tendon repair
	P18-1280	Sen B. (Turkey)
		Large osteochondral defects of the talus treated with autologous bone grafting
	P18-1315	Nikolopoulos D. (Greece), Sergides N., Safos G., Safos P., Fragkomichalos E.
		Ankle arthroscopy in adolescents with talus osteochondral lesions
	P18-1316	Sergides N. (Greece), Nikolopoulos D., Safos G., Safos P., Fragkomichalos E.
		„Baker cyst“-induced above-knee amputation: A case report
	P18-1319	Liebensteiner M. (Austria), Frech A., Posch Lydia, Chemelli A., Fraedrich G., Auckenthaler T.
		Unfavorable triad predicting clinical outcomes following arthroscopic bone marrow stimulation of small osteochondral lesions of the talus
	P18-1332	Angthong C. (Thailand), Yoshimura I., Kanazawa K., Hagio T., Ida T., Naito M.
		Acute ankle sprains in athletes: MRI-based assessment of ligamentous injury and risk of associated tissue damage
	P18-1387	Roemer F. (Qatar), Jomaah N., Tol H., d'Hooghe P., Niu Jingbo, Almusa E., Geertsema Celeste, Guermazi A.
		Driving ability is impaired with certain orthotic ankle devices
	P18-1389	Liebensteiner M. (Austria), Dammerer D., Waidmann Cornelia, Thaler M., Haid C., Krismer M.
		Plasma-rich in growth factors in the treatment of bone fractures in dogs
	P18-1400	Rubio Zaragoza Monica (Spain), Sopena Juncosa J., Chicharro Alcantara Debora, Cuervo Serrato Belen, Cugat R., Carrillo Poveda J.

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P18: LEG – ANKLE

P18-1403	Ultrasound assessment for the chronic anterior talofibular ligament injury: Comparison of ultrasound and arthroscopic assessment Sasahara J. (Japan), Takao M., Miyamoto W., Yasui Y., Innami K., Inui T., Matsushita T.
P18-1422	The appearance of subchondral bone in computed tomography is related to cartilage damage in osteochondral lesions of the talar dome Nakasa T. (Japan), Adachi N., Kato T., Ochi M.
P18-1441	Arthroscopic anterior talofibular ligament reconstruction using a gracilis tendon Higashiyama R. (Japan), Aikawa J., Iwase D., Minatani J., Sekiguchi H., Watanabe H., Watanabe E., Takaso M.
P18-1444	Clinical experiences with autologous osteochondral mosaicplasty on the talus: 21-year of experience Pánics G. (Hungary), Pap K., Berta Ágnes, Vásárhelyi G., Hangody L.
P18-1475	Predictors of clinical outcome after an acute achilles tendon rupture Olsson N. (Sweden), Petzold M., Brorsson Annelie, Karlsson J., Eriksson B., Gravare Silbernagel Karin
P18-1482	Osteochondral lesion of the talus: Clinical outcomes of bone marrow stimulation and the relationship between the lesion size and the ankle articular length ratio Yoshimura I. (Japan), Kanazawa K., Takeyama A., Ida T., Hagio T., Ishimatsu T., Anghong C., Naito M.
P18-1609	Functional, T2 mapping and MOCART outcomes after arthroscopic bone marrow stimulation with concentrated bone marrow aspirate for treatment of osteochondral lesions of the talus Ross K. (USA), Hannon C., Murawski C., Deyer T., Smyth N., Hogan M., Do Huong, Kennedy J.
P18-1632	Operative treatment is recommended for closed subcutaneous rupture of the anterior tibial tendon Heikkilä J. (Finland), Orava S., Sarimo J., Lempainen L., Mattila K.
P18-1655	Suture Button vs. Syndesmotic Screw in ankle fractures – clinical and radiological results Ahrberg Annette (Germany), Hepp P., Ahlschwede Sarah, Josten C.
P18-1710	Gender differences in outcome after an acute Achilles tendon rupture Gravare Silbernagel Karin (USA), Nilsson-Helander Katarina, Olsson N., Brorsson Annelie, Eriksson B., Karlsson J.

P18: LEG – ANKLE			
	P18-1729	MRI findings in the ankles of asymptomatic professional snowboarders <i>Ho C. (USA), Hackett T., Warth R., Briggs Karen, Bower Gillian, Clanton T.</i>	Timetables
	P18-1765	Brostrom direct repair vs. hemi-castaing tenodesis in the treatment of chronic ankle instability: Long term follow-up <i>Ventura A. (Italy), Corradini C., Terzaghi Clara, Legnani C., Borgo E.</i>	
	P18-1824	Functional and MRI outcomes after arthroscopic bone marrow stimulation for treatment of osteochondral lesions of the distal tibial plafond <i>Ross K. (USA), Hannon C., Deyer T., Smyth N., Hogan M., Do Huong, Kennedy J.</i>	
	P18-1838	Posterior tibial tendoscopy: Functional outcomes and comparison to magnetic resonance imaging <i>Gianakos Arianna (USA), Ross K., Prado M., Kennedy J.</i>	Wednesday
	P18-1862	Arthroscopic assisted osteosynthesis of the calcaneal fracture <i>Pasa L. (Czech Republic), Kuzma J.</i>	
	P18-1877	Autologous collagen induced chondrogenesis (ACIC) for the treatment of chondral lesions of the talus <i>Quaglia A. (Italy), Bait C., Cervellin M., Prospero E., Redaelli A., Volpi P.</i>	Thursday
	P18-1934	Double-plug autologous osteochondral transplantation shows equal functional outcomes compared to single-plug procedures in lesions of the talar fovea: A minimum five-year clinical follow-up <i>Ross K. (USA), Haleem A., Smyth N., Duke G., Deyer T., Do Huong, Kennedy J.</i>	
	P18-1937	The burden of foot and ankle injuries in elite athletes: A descriptive epidemiologic study <i>Hunt K. (USA), Robell K., Gatewood C., Botser I., Matheson G.</i>	Friday
	P18-1985	Level of evidence and quality of studies on surgical repair of osteochondral lesions of the ankle <i>Ross K. (USA), Hannon C., Boakye Lorraine, Pinski J., Murawski C., Smyth N., Ma Y., Kennedy J.</i>	
	P18-1987	Potential role of local estrogen in enhancement of fracture healing: Preclinical study in rabbits <i>Haddad B. (United Kingdom), Tahami M., Abtahian A., Hashemi A., Konan S.</i>	Saturday

P18: LEG – ANKLE

P18-2294	One step arthroscopic bone marrow derived cells transplantation: a novel solution for early degenerative ankle disease? <i>Cavallo M. (Italy), Buda R., Pagliazzi G., Ramponi Laura, Maraldi Susanna, Giannini S.</i>
P18-2306	Arthroscopic treatment of ankle anterior bony impingement: the long term clinical outcome <i>Cavallo M. (Italy), Buda R., Vannini Francesca, Parma A., Ruffilli A., Ferranti E., Giannini S.</i>
P18-2307	Arthroscopic treatment of ankle anterior soft tissue impingement: long term clinical outcome <i>Cavallo M. (Italy), Vannini Francesca, Buda R., Parma A., Pagliazzi G., Giannini S.</i>
P18-2349	Effects of perfusion, cyclic compression and bone morphogenetic protein-7 on the proliferation and differentiation of human bone marrow stromal cells seeded on the polyurethane scaffolds <i>Teng S. (Germany), Liu C., Krettek C., Jagodzinski M.</i>
P18-2360	Etiopathogenesis of osteolytic cysts associated with total ankle arthroplasty, a histological study <i>van Wijngaarden R. (Netherlands), Nieuwe Weme Rebecca, Westerga J., Doets H., Haverkamp D.</i>
P18-2395	Posterior ankle arthroscopic ankle arthrodesis, short term results <i>Hendrickx R. (Netherlands), de Leeuw P., van Dijk C., Stufkens S., Mallee W., Kerkhoffs G.</i>
P18-2493	The architecture of the muscles crossing the ankle and indications of their relative strengths <i>Sopher R. (United Kingdom), Amis A., Davies D., Jeffers J.</i>
P18-2524	Intra-articular posttraumatic ankle joint mass imitating localized pigmented villonodular synovitis (LPVS). Arthroscopic diagnosis and treatment. A case report <i>Zampeli Francesca (Greece), Giotis D., Mantellos G., Kosta Paraskevi, Georgoulis A.</i>

P19: MUSCLE

P19-1668	Anatomic study of posteromedial joint capsule in knee joint <i>Lee S. (South Korea (ROK)), Ahn J., Yoon K.</i>
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P18: LEG – ANKLE + P19: MUSCLE + P20: PELVIS/GROIN & HIP

P20: PELVIS/GROIN & HIP			
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P20: PELVIS/GROIN & HIP

P20-2089	DHAR: the Danish hip arthroscopy register – the first 742 patients <i>Lund B. (Denmark), Christiansen S., Kraemer O., Winge S., Nielsen T., Mortensen N., Lind M.</i>
P20-2124	Femoroacetabular impingement in professional and non-professional soccer players and time to return to sports: A comparative study <i>Dimitrakopoulou Alexandra (United Kingdom), Schilders E., Kartsonaki Christiana, Cooke C.</i>
P20-2278	Outcomes of selective partial adductor release for chronic adductor enthesopathy in professional soccer players <i>Dimitrakopoulou Alexandra (United Kingdom), Schilders E., Kartsonaki Christiana, Cooke C.</i>
P20-2313	Biomechanical and functional indicators of femoroacetabular impingement in male soccer players <i>Lahner M. (Germany), Falarzik A., von Engelhardt L., von Schulze Pellengahr C., Hennig E., Hagen M.</i>
P20-2314	The deviation of the mechanical leg axis correlates with an increased hip alpha angle and could be a predictor for femoroacetabular impingement <i>Lahner M. (Germany), von Schulze Pellengahr C., Damm P., Teske W., Vetter G., Hagen M.</i>
P20-2319	Hip capsule insufflation volume at the time of arthroscopy correlates with hip capsular laxity: A preliminary study <i>Philippon M. (USA), Ferro F., Briggs Karen</i>
P20-2361	Turbid-looking hip joint fluid in femur neck fracture patients – a case series <i>Tang Z. (Singapore), Lee E.</i>
P20-2364	The joint capsule protects the labrum from impingement <i>van Arkel R. (United Kingdom), Amis A., Jeffers J.</i>
P20-2446	Arthroscopic removal of osteoid osteoma from the hip using gamma probe <i>Strazar K. (Slovenia), Drobnic M., Zupanc O.</i>
P20-2511	Clinical presentation and radiological findings of a consecutive series of acute groin injuries in athletes <i>Holmich P. (Denmark), Serner A., Tol H., Weir A., Jomaah N., Thorborg K.</i>

P21: SHOULDER

P21-1054	Does suture technique affect healing in arthroscopic single row rotator cuff repairs: A meta-analysis <i>Pula D. (USA), Kluczynski Melissa, Bisson L.</i>
P21-1136	Preliminary evaluation of a robotic apparatus for the analysis of passive glenohumeral joint kinematics <i>Rosso C. (Switzerland), Müller A., Entezari V., Cereatti A., Ramappa A., De Angelis J., Nazarian A., Della Croce U.</i>
P21-1137	Bulk effect of the deltoid muscle on the glenohumeral joint in a full torso cadaveric model of the throwing shoulder <i>Rosso C. (Switzerland), Müller A., Entezari V., Cereatti A., Della Croce U., Ramappa A., Nazarian A., De Angelis J.</i>
P21-1155	Arthroscopic remplissage for treatment of anterior glenohumeral instability with engaging hill-sachs lesions: Is it essential to be done first? <i>Ahmed Abdelrahman A. (Egypt)</i>
P21-1221	Acute acromioclavicular joint injuries: A survey of trauma and orthopaedic departments in Germany <i>Balke M. (Germany), Schneider M., Akoto R., Bähis H., Bouillon B., Banerjee M.</i>
P21-1266	Influence of all arthroscopic suprapectoral biceps tenodesis with intraosseous tendon fixation on elbow flexion force and clinical scores <i>Patzer T. (Germany), Ziskoven C., Kolem Carina, Stefanovska Karoline, Kircher J., Krauspe R.</i>
P21-1297	Does the fatty degeneration of the rotator cuff improve after arthroscopic rotator cuff repair? <i>Sano T. (Japan), Matsuoka H., Nakayama K., Saji T., Akasaka S.</i>
P21-1301	Arthroscopic treatment of Neer type II fractures of the distal clavicle <i>Cañete P. (Spain), Martinez Costa J., Garcia Espert Carmen</i>
P21-1328	Arthroscopic evaluation of delaminated rotator cuff tears: A morphological analysis <i>Tanaka M. (Japan), Nimura A., Sugaya H., Akita K.</i>
P21-1341	Arthroscopic rotator cuff repair for the patient of 80 and over 80 years of age <i>Fukaya Y. (Japan), Sato K., Ando T., Oba H., Idota M.</i>

P21: SHOULDER

P21-1346	The effect for the clinical outcomes of ARCR by different procedures for the damaged long head of biceps (LHB) <i>Sakai T. (Japan), Hiraiva H., Hamada T., Nakashima M., Matsukawa T., Oda T., Yamashita S., Takamatsu A.</i>
P21-1370	Arthroscopic rotator cuff repair with or without subacromial decompression: A case control study <i>Rizzello G. (Italy), Longo U., Petrillo S., Loppini M., Berton Alessandra, Salvatore G., Maffulli N., Denaro V.</i>
P21-1372	Measurement of rotator cuff tendons for the management of partial thickness rotator cuff tears: A magnetic resonance study <i>Rizzello G. (Italy), Longo U., Loppini M., Petrillo S., Berton Alessandra, Salvatore G., Maffulli N., Denaro V.</i>
P21-1379	Clinical and MRI outcomes of the arthroscopic treatment of acromio-clavicular dislocation using a double button device <i>Boyer P. (France), Loriaut P., Alkhaili J., Orain V., Dallaudière B., Massin P.</i>
P21-1381	Comparative study of two techniques of arthroscopically assisted fixation of type 2B fractures of the clavicle: Preliminary results <i>Boyer P. (France), Loriaut P., Alkhaili J., Pelissier A., Orain V., Massin P.</i>
P21-1382	Arthroscopic double-row cuff repair with knot-less suture bridging and autologous conditioned plasma injection: Functional and structural results <i>Boyer P. (France), Pelissier A., Loriaut P., Werthel J., Massin P., Valenti P.</i>
P21-1393	Early acromial erosion and fracture after subacromial hook plate fixation of acromial clavicular joint dislocation: A report of 2 cases <i>Seng C. (Singapore), Wong M.</i>
P21-1462	Role of tendon and subacromial bursa in painful rotator cuff tears <i>Chillemi C. (Italy), Franceschini V., Ippolito G., Petrozza V., Castagna A.</i>
P21-1468	The comparison of results of early and late rehabilitation following arthroscopic Bankart repair with knotless anchor in recurrent traumatic anterior shoulder dislocation <i>Kütahya H. (Turkey), Yel M., Bilge O., Güleç A., Toker S., Kacira B.</i>
P21-1487	Postoperative bone erosion of the greater tuberosity after arthroscopic suture bridge repair for rotator cuff tears <i>Sano T. (Japan), Matsuoka H., Nakayama K., Saji T., Akasaka S.</i>

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	P21-1507	Effectiveness of joint mobilization combined with manual stretching exercises in frozen shoulder: A randomized, controlled pilot study <i>Celik Derya (Turkey), Kaya Mutlu Ebru</i>	
	P21-1524	Pulse sequence protocol optimization for MR arthrography of the shoulder with a focus on cartilage and labral lesions using CT arthrography as the reference <i>Guerhazi A. (Qatar), Jomaah N., Almusa E., Niu Jingbo, Jarraya M., Silva Jr. J., Landreau P., Roemer F.</i>	Timetables
	P21-1526	Latarjet procedure in the treatment of anterior shoulder instability: Clinical and radiological results at 18 years follow-up <i>Chillemi C. (Italy), Franceschini V., Ippolito G., Dei Giudici L., Gigante A.</i>	
	P21-1532	Arthroscopic decompression of spinoglenoid ganglion cyst <i>Cho H. (South Korea (ROK)), Wang T., Hwang T., Yang H.</i>	Wednesday
	P21-1534	Arthroscopic Latarjet: The learning curve <i>Calvo E. (Spain), Morcillo Diana, Foruria A.</i>	
	P21-1540	Recurrent shoulder dislocation and proximal humerus fracture in neurofibromatosis type 1: A case report <i>Cho H. (South Korea (ROK)), Ku J., Wang T., Hwang T., Yang H.</i>	Thursday
	P21-1544	Transosseous equivalent double row versus single row rotator cuff repair <i>Abdelkafy A. (Egypt), Imam M., Bardakos N., Moussa M., Ghazal A.</i>	
	P21-1546	Arthroscopically assisted anatomical reduction of acute ACJ separation with two flip-button devices: Clinical and radiological results in 60 patients at a minimum of 2 years follow <i>Aboalata M. (Germany), Imhoff A., Vogt S., Hoffmann K., Venjakob A., Saier T.</i>	Friday
	P21-1562	Outcome of arthroscopic bankart repair in rugby players <i>Mochizuki T. (Japan), Yoshimura H., Nimura A., Hiyama K., Muneta T.</i>	
	P21-1571	Anatomy of supraspinatus muscle: Does its design and course could explain its fragility? <i>Abrassart Sophie (Switzerland), Barea C., Gagey O., Hoffmeyer P.</i>	Saturday
	P21-1576	3D modelling and measures of stress areas in clavicles <i>Abrassart Sophie (Switzerland), Barea C., Hoffmeyer P.</i>	

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P21-1588	Short term results of plate fixation versus intramedullary fixation for dislocated midshaft clavicle fractures: A randomized controlled trial <i>van der Meijden O. (Netherlands), Houwert M., Verhofstad M., Meylaerts S., Hammacher E., Verleisdonk E.</i>
P21-1614	Greater tuberosity sclerosis: A radiographic sign of rotator cuff tear <i>El Ghandour T. (Egypt), El Ghazaly S., Ghandur A.</i>
P21-1641	Axillary nerve palsy requiring neurolysis after arthroscopic HAGL repair (for recurrent shoulder dislocation): A case report <i>Suzuki S. (Japan), wakabayashi Y., Yoshimura H., Nimura A., Mochizuki T., Muneta T.</i>
P21-1656	Posterior capsular release and coracoid transfer for cases of neglected locked anterior shoulder dislocation in tramadol addicts <i>Abouelsoud M. (Egypt), Abdelhady A.</i>
P21-1660	Latarjet procedure in patients with multiple recurrences of anterior shoulder dislocation and generalized ligamentous laxity <i>Abouelsoud M. (Egypt), Abdelhady A.</i>

P22: SHOULDER

P22-1669	Rotator cuff tears after 70 years: A prospective, randomized, comparative study between decompression and arthroscopic repair, about 154 patients aged 70 years or more <i>Hardy P. (France), Flurin P., Joudet T., Desmoineaux P., Sommaire C., Thelu C., Essig J., Abadie P.</i>
P22-1698	High grade acromioclavicular joint dislocations: Quality of life comparison between operative versus nonoperative management <i>Natera L. (Spain), Besalduch Marina, Abat F., Proubasta I., Sarasquete Reiriz J.</i>
P22-1702	Biomechanical analysis of acromioclavicular joint dislocation repair using coracoclavicular devices in two diferent anatomic configurations. A cadaveric study <i>Natera L. (Spain), Sarasquete Reiriz J., Abat F., Calvo Á., Pérez-España M., Ferrer J., Del Real J., Forriol F.</i>
P22-1748	Segmental teres minor atrophy associated with rotator cuff tear <i>Saji T. (Japan), Arai R., Kuriyama S., Tsukiyama H., Matsuda S.</i>
P22-1801	Return to activity after arthroscopic bankart repair in chronic and acute cases of glenohumeral instability <i>Feucht M. (Germany), Plath J., Minzlaff P., Saier T., Seppel G., Imhoff A.</i>
P22-1808	Subscapularis tear localized in the insertion of superior-most part intramuscular tendon dose not induce muscle fatty infiltration <i>Kobayashi T. (Japan)</i>
P22-1821	Arthroscopic bankart shoulder stabilization in athletes: Return to sports and functional outcomes at 2 years mean follow-up <i>Hardy P. (France), Gerometta A., Rosso C., Klouche Shahnaz</i>
P22-1837	Examination of change of anchor hole after arthroscopic Bankart repair <i>Hiraiwa H. (Japan), Sakai T., Hamada T., Nakashima M., Matsukawa T., Ishiguro N.</i>
P22-1855	Follow-up MRI Evaluation of bony bankart lesions after arthroscopic suture-anchor repair <i>Feucht M. (Germany), Plath J., Bangoj R., Martetschläger F., Imhoff A., Vogt S.</i>
P22-1858	The rotator cuff tear repair with a new arthroscopic transosseous system technique: 24 months follow-up <i>Baudi P. (Italy), Rotini R., Porcellini G., Petriccioli D., Gervasi E., Catani F.</i>
P22-1864	Do standard antero-posterior radiographs underestimate glenoid bony lesions of the ISIS score? Does the Gerber index render it more precise? <i>Maqdes A. (France), Klouche Shahnez, Hardy P., Kempf J.</i>

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P22-1869	Quantitative MRI Characterization of arthroscopically verified supraspinatus pathology: Comparison of tendon tears, tendinosis, and asymptomatic supraspinatus tendons using T2 mapping <i>Ho C. (USA), Surowiec Rachel, Ganai E., Wilson Katharine J., Smith S., Dorman G., Millett P.</i>
P22-1871	Is the ISIS still reliable after 5 years? Retrospective study of 45 arthroscopic Bankart procedures <i>Boughebi O. (France), Dib C., Maqdes A., Moraiti Constantina, Valenti P.</i>
P22-1894	Is the effectiveness of Bristow-latarjet procedure related to the fate of the bone-block? A prospective study <i>Vadalà A. (Italy), Ciompi A., Lanzetti R., Rossi Cristina, de Carli A., Ferretti A.</i>
P22-1908	Biomechanical properties of rotator cuff layers <i>de Carli A. (Italy), Ciompi A., Lanzetti R., Vadalà A., Gumina S., Ferretti A.</i>
P22-1912	Biomechanical investigation of 25% and 50% subscapularis tears: Is a single anchor sufficient for the reconstruction? <i>Lorbach O. (Germany), Trennheuser C., Kohn D., Anagnostakos K.</i>
P22-1915	Hemarthrosis-enhanced magnetic resonance (hmr) and arthroscopic findings after first time shoulder dislocation <i>de Carli A. (Italy), Ciompi A., Lanzetti R., Lupariello D., Argento G., Ferretti A.</i>
P22-1935	Long-term functional and structural results following arthroscopic reconstruction of isolated subscapularis tears <i>Seppel G. (Germany), Plath J., Völk C., Buchmann S., Braun S., Imhoff A.</i>
P22-1943	Accelerated rehabilitation after rotator cuff repair: Does double row repair lower the risk for re-tear? <i>Franceschi F. (Italy), Papalia R., Franceschetti E., Palumbo A., Zampogna B., Diaz Balzani L., Maffulli N., Denaro V.</i>
P22-1950	Are Platelet rich plasma injections effectiveness after arthroscopic rotator cuff tear repair <i>Franceschi F. (Italy), Papalia R., Franceschetti E., La Verde L., Campi S., Zampogna B., Vasta S., Maffulli N., Denaro V.</i>
P22-1968	Arthroscopic rotator cuff repair is justified in patients older than 70 years old <i>Maqdes A. (France), Moraiti Constantina, Valle P., Dib C., Boughebi O., Valenti P.</i>
P22-1971	Postoperative imaging of bioabsorbable anchors in rotator cuff repair <i>Kim S. (South Korea (ROK)), Oh J.</i>

P22: SHOULDER

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	P22-2000	A comparison of the early results of stemmed and stemless humeral components in total shoulder arthroplasty <i>Jain N. (Canada), Longstaffe J., Leith J.</i>	Timetables
	P22-2003	Early results from the Arthrex eclipse stemless total shoulder arthroplasty <i>Jain N. (Canada), Longstaffe J., Leith J.</i>	
	P22-2005	Learning curves in shoulder arthroscopy: Use of the shoulder OPAT to demonstrate surgical progression <i>Jain N. (Canada), Talbot C., Holt M.</i>	
	P22-2008	Comparing posterior and lateral subacromial joint injections: An anatomical Mri scan study <i>Jain N. (Canada), Jeelani Ana, Zeiton M., Talbot C., Holt M.</i>	Wednesday
	P22-2010	Osteochondroma at the articular surface of the shoulder blade – a case report <i>Mioduszewski A. (Poland), Wrobel M., Swierczynski R., Klos G., Sroczynski J., Zelik M.</i>	Thursday
	P22-2097	Anatomical variants in the insertion of the pectoralis minor tendon: The clinical study <i>Hiroko Ueki (Japan), Hideya Y., Akimoto N., Tomoyuki M., Kaneshia H., Keiichi A.</i>	
	P22-2098	Concealed subscapularis lesions: Description of the peel-off-mechanism and a novel MRI sign for subscapularis tears <i>Kappe T. (Germany), Sgroi M., Faschingbauer M., Reichel H.</i>	
	P22-2105	Alopecia after a shoulder arthroscopic surgery at beach chair position. Two cases report <i>Hiroko Ueki (Japan), Hideya Y., Kaneshia H., Yoki K., Takashi O., Akiho H.</i>	Friday
	P22-2123	Latarjet procedure: short-term results of a prospective comparative study of arthroscopic versus mini-open approach <i>Hardy P. (France), Nourissat G., Blandine Marion, Deranlot J., Klouche Shahnaz</i>	
	P22-2157	Early results after arthroscopic partial shoulder resurfacing for patients with osteoarthritis <i>Pauzenberger L. (Austria), Heuberger P., Kölblinger R., Kiesselbach Gabriele, Laky Brenda, Kriegleder B., Anderl W.</i>	Saturday
	P22-2182	Predictive factors associated with failure of non operative treatment of superior labrum anterior posterior tears <i>Jang S. (South Korea (ROK)), Kim J., Kim S., Jung Jae Eun</i>	

P23: SHOULDER

P23-2191	Sporting activity after anatomical ACJ-Reconstruction for acute ACJ-Separation <i>Saier T. (Germany), Minzlaff P., Feucht M., Plath J., Aboalata M., Braun S., Imhoff A.</i>
P23-2193	Shoulder dysbalance in children and adolescent advanced tennis <i>Pfalzer F. (Germany), Wagner C., Wagner D.</i>
P23-2205	Correlation of clinical and structural (mri) results after arthroscopic rotator cuff repair using double-row technique <i>Pfalzer F. (Germany)</i>
P23-2228	The arthroscopic stabilization of the acute ACJ-separation Rockwood III-V with double suture button augmentation cerclage – a prospective MRI assessment of the ligamental consolidation compared to the uninjured shoulder <i>Buckup J. (Germany), Stein T., Jobmann Sabine, Hoffmann R., Welsch F.</i>
P23-2233	Functional outcomes after arthroscopic remplissage technique with Hill-Sachs lesion <i>Said H. (Egypt), Babaqi A.</i>
P23-2260	Outcomes of arthroscopic anterior shoulder instability in the beach chair vs. lateral decubitus position: A systematic review and meta-regression analysis <i>Saccomanno Maristella Francesca (Italy), Frank Rachel, McDonald L., Romeo A., Provencher M.</i>
P23-2261	Surgical vs. orthopedic treatment of displaced middle third clavicle fractures: A randomized, prospective study <i>Melean P. (Chile), Fritis N., Zuniga A., Cook E., Zilleruelo M.</i>
P23-2262	Acromial anatomy and rotator cuff tears correlation: A case control series <i>Melean P. (Chile), Zuniga A., Madrid J., Fritis D., Valiente D.</i>
P23-2341	Fluoroscopic, MRI and electrophysiologic assessment of shoulders with massive tears of the rotator cuff <i>Wieser K. (Switzerland), Rahm S., Fischer M., Schubert M., Gerber C., Meyer D.</i>
P23-2345	Diagnostic value of the supine Napoleon test for lesions of the subscapularis tendon <i>Takeda Y. (Japan), Fujii K., Miyatake K., Amari Rui, Kita K.</i>
P23-2377	What is the optimal treatment of acutely displaced midshaft clavicle fractures? A systematic review <i>Funk L. (United Kingdom), Gupta A.</i>

P23: SHOULDER

P23: SHOULDER		
P23-2379	Association between anatomic anterosuperior capsulolabral variants and shoulder instability <i>Funk L. (United Kingdom), Gupta A.</i>	Timetables
P23-2380	Average 3-year follow-up of the balloon, a new technique for massive irreparable rotator cuff tears with pseudoparalysis <i>Naggar Leslie (Switzerland)</i>	
P23-2392	Can a basic online simulator teach the same core skills as a virtual reality simulator? <i>Funk L. (United Kingdom), Gandhi M., Anderton M.</i>	
P23-2396	Shoulder functional characteristics of the overhead and non-overhead athletes before and 2 years after the concomitant arthroscopic type II SLAP and partial thickness rotator cuff repair in athletes <i>Gudas R. (Lithuania), Siupsinskas L., Gudiene Asta</i>	Wednesday
P23-2399	Is severe proximal humeral head migration a contraindication for rotator cuff repair?? Clinical study based on functional and quality-of-life scores <i>Lopez Vidriero E. (Spain), Lopez-Vidiero Rosa, Simon D., Lapner P.</i>	Thursday
P23-2400	Biceps tenosynovitis and scapular dyskinesia. Treatment protocol and results <i>Lopez Vidriero E. (Spain), Lopez-Vidiero Rosa, Molano C., Gallardo E.</i>	
P23-2401	Surgical treatment of chronic massive rotator cuff tears: Deltoid muscle flap vs. arthroscopic subacromial decompression <i>Majewski M. (Switzerland), Blanke F.</i>	
P23-2405	Enhancing Leukocyte-Platelet-Rich Plasma (L-PRP) injection with footprint microfracture and peppering of the adjacent tendon improve rotator cuff repair <i>Naggar Leslie (Switzerland)</i>	Friday
P23-2432	Evaluation of subscapularis strength recovery: Arthro-Latarjet Vs open procedure <i>Grasso A. (Italy), Salvatore M., Latte C., Santagada D., Milano G.</i>	Saturday
P23-2435	Arthroscopic Latarjet procedure: Our experience <i>Grasso A. (Italy), Salvatore M., Latte C., Milano G.</i>	
P23-2455	MRI findings in the shoulder of completely asymptomatic adolescent elite tennis players <i>Johansson F. (Belgium), De Bri E., Adolfsson A., Jenner G., Swardh L., Skillgate Eva, Cools Ann M.</i>	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

P23: SHOULDER

	Measuring eccentric strength of the shoulder external rotators using a hand-held dynamometer: reliability and validity <i>P23-2464</i> <i>Johansson F. (Belgium), Cools Ann M., Skillgate Eva</i>
	Postoperative pectoral swelling after shoulder arthroscopy <i>P23-2481</i> <i>Ercin E. (Turkey), Bilgili M., Ones H., Kural C.</i>
	Endothelial dysfunction can be a risk factor for rotator cuff tendinopathy? <i>P23-2484</i> <i>Papalia R. (Italy), Franceschi F., Albo E., Vasta S., Maffulli N., Denaro V.</i>
	The ultrasound guided AC joint injection <i>P23-2506</i> <i>Sabeti-Aschraf M. (Austria), Stotter C., Thaler C., Kristen K., Max S., Kriffter R., Hexel M., Ostermann R.</i>
	Arthroscopic revision surgery after failed arthroscopic Bankart repair <i>P23-2518</i> <i>Jehmlich S. (Germany), Schnell M., Hegedüs S.</i>
	Clinical and radiological results after conversion from anatomic to reverse shoulder arthroplasty using a modular system <i>P23-2527</i> <i>Weber-Spickschen S. (Germany), Agneskirchner J.</i>

P24: SPINE

	Sports activities with rotational lumbar stress after short segment spinal fusion <i>P24-1850</i> <i>Melinte R. (Romania), Torok B., Albu D., Fratila V.</i>
	The relationship between knee flexion and spinopelvic sagittal alignment in patients with knee osteoarthritis <i>P24-1859</i> <i>Koyama H. (Japan), Takahashi M., Matsubara T., Hanada M., Furuhashi H., Matsuyama Y.</i>

P23: SHOULDER + P24: SPINE + P25: SPORT SPECIFIC INJURIES

P25: SPORT SPECIFIC INJURIES			
	P25-1075	Complete inclusion of adaptive rowing only 1000m ahead <i>Smoljanovic T. (Croatia), Bojanic I., Hannafin Jo A., Urhausen A., Theisen D., Seil R., Lacoste A.</i>	Timetables
	P25-1171	Return to sports after major trauma – fact or fiction? A study with a 10-year minimum follow-up <i>Weber C. (Germany), Hofman M., Garving Christina, Dienstknecht T., Pape H.</i>	
	P25-1257	Biomechanical risk factors for ACL rupture in female lacrosse and field hockey athletes <i>Dragoo J. (USA), Braun Hillary, Shultz Rebecca, Malone Maria, Silder Amy, Andrews R.</i>	
	P25-1355	Determining the inter-observer and intra-observer reliability of plain radiographs for diagnosing femoroacetabular impingement <i>Ayeni O. (Canada), Investigators A.</i>	Wednesday
	P25-1357	A radiographic assessment of CAM type femoroacetabular impingement after open reduction and internal fixation of femoral neck fractures <i>Ayeni O. (Canada), Mathew G., Kowalczyk M., Hetaimish B., Bedi A., Philippon M., Bhandari M., Simunovic Nicole</i>	Thursday
	P25-1358	Alpha angle correction in femoroacetabular impingement <i>Ayeni O. (Canada), De Sa D., Urquhart N., Philippon M., Ye Jung-Eum, Simunovic Nicole</i>	
	P25-1360	Management of the contaminated anterior cruciate ligament graft: Systematic review <i>Ayeni O. (Canada), Khan M., Merali F., Rothrauff B., Musahl V., Peterson D.</i>	
	P25-1361	Surgical management of labral tears during femoroacetabular impingement surgery: A systematic review of the literature <i>Ayeni O. (Canada), Adamich J., Farrokhyar Forough, Simunovic Nicole, Crouch Sarah, Philippon M., Bhandari M.</i>	Friday
	P25-1580	Relationship between running shoe midsole hardness and running-related injuries <i>Theisen D. (Luxembourg), Malisoux L., Delattre N., Seil R., Urhausen A.</i>	Saturday
	P25-1672	Can ultrasound-guided nerve block be a useful anesthesia method for arthroscopic knee surgery? <i>Kim Y. (South Korea (ROK)), Joo Y., Shin B., Yeon K.</i>	

P25: SPORT SPECIFIC INJURIES

P25-1674	Prognostic factors of the arthroscopic adhesiolysis in the arthrofibrosis of the knee <i>Joo Y. (South Korea (ROK)), Kim Y., Shin B., Yeon K.</i>
P25-1751	Glenohumeral function of the long-head of the biceps muscle: An electromyographic analysis <i>Saccomanno Maristella Francesca (Italy), Chalmers P., Cip J., Wimmer M., Cole B., Romeo A., Verma N.</i>
P25-1818	Epidemiology of cheerleader in Japan: Prospective study <i>Okawa Y. (Japan), Takao M., Sasahara J., Yasui Y., Muraki Ryoko, Iwano Kana, Matsushita T.</i>
P25-1884	Safety of third generation artificial turf in male elite professional soccer players <i>de Carli A. (Italy), Lanzetti R., Ciompi A., Lupariello D., Vadalà A., Ferretti A.</i>
P25-1888	Personality characteristics in uninjured and injured alpine ski high school students – A comparison between the general population <i>Westin Maria (Sweden), Feinbaum Louise, Werner Suzanne</i>
P25-1905	The correlation between anterior cruciate ligament injury in elite alpine skiers and their parents <i>Westin Maria (Sweden), Reeds Lundqvist Sandra, Werner Suzanne</i>
P25-1911	Personality characteristics in cross-country skiers and alpine skiers from the Swedish ski high schools – a comparative study <i>Westin Maria (Sweden), Sjöberg Maria, Werner Suzanne</i>
P25-1913	ACL Injury mechanism in Soccer. Video-analysis of 34 cases <i>de Carli A. (Italy), Ciompi A., Lanzetti R., Lupariello D., Marzano F., Ferretti A.</i>
P25-2048	Rotational profile alterations after anatomic posterolateral corner reconstructions in multiligament injured knees <i>Boisrenoult P. (France), Tardy N., Mouton Caroline, Theisen D., Beauflis P., Seil R.</i>
P25-2079	Return to professional sport outcomes after combined knee ligament reconstruction <i>Anand B. (United Kingdom), Jones Mary, Anand A., Williams A.</i>
P25-2149	Using calcium phosphonate material and allograft in tibial plateau fracture <i>Park H. (South Korea (ROK))</i>
P25-2206	Kinematics of the spine vs. shoulder girdle in healthy elite and amateur male golfers <i>Briem Kristin (Iceland), Arnadottir Amy, Thorsteinsdottir Maria</i>

P25: SPORT SPECIFIC INJURIES

P25: SPORT SPECIFIC INJURIES			
	P25-2241	Polytraumatic-like injury in an inexperienced freestyle skier <i>Fehske K. (Germany), Eden L., Meffert R., Gilbert F.</i>	Timetables
	P25-2248	An algorithm for the detection and therapy of the sportsmen's groin <i>Bernhardt G. (Austria), Leithner A., Gruber G.</i>	
	P25-2255	Swing kinematics, weight transfer and golf injuries in elite and amateur male golfers <i>Briem Kristin (Iceland), Arnadottir Arny, Thorsteinsdottir Maria</i>	
	P25-2286	Modern approach to the diagnostics of sports groin pain syndrome <i>Kostrub O. (Ukraine), Blonskyi R., Tiutiunnyk Iryna</i>	Wednesday
	P25-2316	Comparative study of femoroacetabular impingement (FAI) prevalence in male semiprofessional soccer players and amateur athletes <i>Lahner M. (Germany), Walter A., Falarzik A., von Schulze Pellengahr C., Lukas C.</i>	
	P25-2317	Do expectations of knee treatment change based on activity level? <i>Briggs Karen (USA), Matheny Lauren, Abrams Rachel, Steadman R.</i>	
	P25-2381	Swimmers shoulders; an observational study on swimmers that presented to a shoulder surgeon <i>Funk L. (United Kingdom), Butler D.</i>	Thursday
	P25-2406	Quantitative assessment of glenohumeral translation in professional golfers using ultrasound <i>Funk L. (United Kingdom), Mackenzie Tanya, Herrington L., Hawkes R.</i>	
	P25-2483	The shoulder of professional tennis players: Gird, tenosynovitis of biceps and dyskinesia <i>Lopez Vidriero E. (Spain), Fernandez J., Lopez-Vidiero Rosa, Gallardo E.</i>	
	P25-2485	Dynamic load assessment at the 5th metatarsal base in elite athletes <i>Hunt K. (USA), Goeb Y., Vryhof Michelle, Shultz Rebecca</i>	Friday
	P25-2486	Injuries in amateur volleyball players <i>Fehske K. (Germany), Klasna Sarah, Dohr Stefanie, Meffert R., Hoos O.</i>	
	P25-2489	Gender related injuries in skiing and snowboarding. A 6 years case control study <i>Zacharopoulos A. (Greece), Vlastos I., Zafeiriou C., Smyrnis A.</i>	
			Saturday

P26: TENDON

P26-1013	Operative vs. non-operative treatment of acute achilles tendon rupture: The debate continues <i>Kaplan Y. (Israel)</i>
P26-1690	An easy way to fix tendon allografts into a loading-machine for biomechanical testing <i>Pap K. (Hungary), Hangody G., Szebenyi G., Kiss Rita, Pánics G., Hangody L.</i>
P26-1717	Achilles tendon elongation, functional outcome and return to sport following minimally invasive Achilles tendon repair <i>Carmont M. (United Kingdom), Grävare Silbernagel Karin, Brorsson Annelie, Olsson N., Maffulli N., Karlsson J.</i>
P26-1779	Pressure massage, a new treatment form for Achilles tendinopathy <i>Stefansson S. (Iceland), Brandsson S., Langberg H., Árnason Á.</i>
P26-1796	The influence of early weight-bearing on strength and biomechanical properties of the plantar-flexor muscle-tendon complex in non-operative treatment of acute Achilles tendon rupture. A blinded, randomized, controlled trial <i>Barfod K. (Denmark), Bencke J., Lauridsen Hanne Bloch, Dippmann C., Ebskov L., Troelsen A.</i>
P26-1852	Tendon regeneration: An vitro tissue engineering approach <i>Peretti G. (Italy), Di Giancamillo A., Deponti Daniela, Gervaso Francesca, Raimondi Manuela T., Domenicucci M.</i>
P26-2099	Diminished proprioception in athletes with patellar tendinopathy? <i>Diercks R. (Netherlands), van den Akker-Scheek Inge, van der Worp H., Groot Hilde, Nijenbanning Lotte, Zwerver J.</i>
P26-2106	Intra-articular pathology despite normal MRI findings in patients with patellartendinopathy/jumper's knee, a diagnostic challenge <i>Willberg Lotta (Sweden), Sunding Kerstin, Fahlstrom M., Forssblad M.</i>
P26-2126	Age and gender differences in collagen content and collagen cross-links in patients with rotator cuff rupture <i>Höfling Imke (Finland), Väättäinen U., Niemitukia Lea, Sipola P., Kröger H.</i>

P26: TENDON

P26: TENDON			
	P26-2132	Achilles tendon regeneration: Using the film model method <i>Ohashi Y. (Japan), Nakase J., Toratani T., Kosaka M., Numata H., Torigoe K., Tsuchiya H.</i>	
	P26-2144	Achilles Tendon reconstruction after chronic rupture <i>Thermann H. (Germany), Fischer R., Tiwari R.</i>	Timetables
	P26-2152	Intra- and interobserver reliability for evaluation of Achilles and patellar tendinopathy with greyscale ultrasound and colourDoppler using a four-grade scale <i>Sunding Kerstin (Sweden), Willberg Lotta, Werner Suzanne, Forssblad M.</i>	
	P26-2153	Collagen content and collagen cross-links in patients with rotator cuff rupture compared with healthy cadaver tendons <i>Höfling Imke (Finland), Väättäinen U., Niemitukia Lea, Sipola P., Kröger H.</i>	Wednesday
	P26-2235	An evaluation of amniotic membrane allograft as a potential agent for biological augmentation of rotator cuff repair in an in vitro model <i>Snow M. (United Kingdom), Saithna A., Anley C., Paxton Jen, Grover L.</i>	
	P26-2326	Pain and activity levels before and after platelet-rich plasma injection treatment of patellar tendinopathy: a prospective cohort study and the influence of previous treatments <i>Gosens T. (Netherlands), Fievez E.</i>	Thursday
	P26-2431	Early application of postoperative therapeutic exercise in achilles tendon rupture – development of clinical pathways <i>Marui Yurika (Japan), Ogawa Y., Soma T., Toratani T.</i>	
	P26-2461	Calcaneal cartilaginous hypertrophy as a cause for chronic distal achilles tendinopathy <i>Johansson K. (Finland), Pikander P., Laitala-Leinonen Tiina, Lempainen L., Sarimo J., Orava S.</i>	Friday
	P26-2515	Elastosonography as novel follow-up method in achilles tendon surgery: Pilot study <i>Busilacchi A. (Italy), Enea D., Cecconi S., Gigante A.</i>	Saturday

ROOM**E104-E107****Arthrex GmbH****LW01 New Trends in Knee Instability Treatment***Chair: Prof. Gordon Mackay, United Kingdom**Topic: All-Inside ACL Reconstruction**Speaker: Dr. Adrian Wilson, United Kingdom**Topic: Biological enhanced ACL Reconstruction**Speaker: Dr. Bertrand Sonnerly-Cottet, France**Topic: Anterolateral Ligament**Speaker: Dr. Steven Claes, Belgium***Discussion**

ROOM**E103****Arthrex GmbH****LW02 New Trends in Shoulder Surgery***Chair: Prof. Philippe Hardy, France**Topic: Next Steps in Rotator Cuff Repair**Speaker: Prof. Andreas B. Imhoff, Germany**Topic: Proximal Humeral Fractures using PEEKPower HFP**Speaker: Prof. Karl Benedetto, Austria**Topic: AC-Joint Reconstruction and Clavicle Plate Update**Speaker: Dr. Augustus Mazzocca, USA***Discussion**

ROOM**G106-G107****Smith & Nephew, Inc.****LW03 UPDATE on ROTATOR CUFF SURGERY***Moderator: Dr. W. Jaap Willems, Netherlands**Topic: Cuff surgery: how to keep it simple**Speaker: Dr. W. Jaap Willems, Netherlands**Topic: Biceps tears, Partial cuff tears, Acromioplasty**Speaker: Dr. Anthony Miniaci, USA**Topic: Why and how to do Double row Repair**Speaker: Dr. Pol Huijsmans, Netherlands**Topic: Massive and irreparable cuff tears**Speaker: Dr. Jean Grimmer, France*

**ROOM
E102**

Smith & Nephew, Inc.



LW04 RESTORING ANATOMIC JOINT LINE AND KNEE KINEMATICS

Topic: Journey II TKA design evolution

Speaker: Prof Jan Victor, Belgium

Topic: Kinematics and Total knee: Is normal possible ?

Speaker: Prof Johan Bellemans, Belgium

Topic: Surgical technique: Balanced or measured resection

Speaker: Prof Jan Victor, Belgium

Topic: Can CR design restore normal kinematics : Balancing the PCL

Speaker: Dr. Ate Wymenga, Netherlands

Topic: Journey II BCS early clinical results

Speaker: Dr. Jan Malcorps, Belgium

ROOM

G102-G103

TORNIER



LW05 Biological Cuff Augmentation

Current Concepts of Scaffold and Clinical Applications

Speaker: Prof. Giusappe Milano, Italy

Dr. Christophe Charousset, France

Dr. Paolo Avanzi, Italy

Dr. Osnat Hakimi, United Kingdom

ROOM**EMERALD****Arthrex GmbH**

LW06 New Surgical Options in Sportsmedicine

Chair: Prof. Andreas B. Imhoff, Germany

Topic: InternalBrace for Ligament Injuries

Speaker: Dr. Gordon Mackay, United Kingdom

Topic: Primary ACL Repair using ACP

Speaker: Prof. Peter Angele, Germany

Topic: Graft Augmentation: First Experiences

Speaker: Dr. Adrian Wilson, United Kingdom

ROOM**G104-G105****ArthroCare**

LW07 In-Sight: Coblation® in the Knee.

Addressing common myths associated with RF plasma technology.

Speaker:: Mr. James Robinson, United Kingdom

Prof. Martin Lind, Denmark

Mr. Jean Woloszko, Chief Technology Officer, ArthroCare

ROOM**E102****BIOMET**

LW08 Vanguard XP Lunch Symposium

Chair: Prof. Carsten Tibesku, Germany

Topic: Optimizing Unicompartmental Knee Replacements

Speaker Prof. David Murray, United Kingdom

Topic: Normal Knee Kinematics: The Forgotten Knee

Speaker Prof. Emmanuel Thienpont, Belgium

Topic: ACL Function and Vanguard XP Design

Speaker: Dr. Tom Andriacchi, USA

Topic: Early Results of the Vanguard XP Knee

Speaker: Dr. Craig Della Valle, USA

Topic: Modern Cementing Technique in Knee Arthroplasty

Speaker: Prof. Carsten Tibesku, Germany

Discussion

ROOM**E104-E107****DePuy Synthes****LW09 The ATTUNE® Knee System – No Compromises**

*Speaker: Prof. David Barrett, United Kingdom
Prof. Carsten Perka, Germany
Prof. Claudio Castelli, Italy
Prof. Florian Gottsauner-Wolf, Austria*

ROOM**E103****Karl Storz****LW10 ACL and MPFL reconstruction using a quadriceps graft**

Speaker: Prof. Christian Fink, Austria

ROOM**G109****Moximed International GmbH****LW11 The KineSpring® System: From Biomechanics to Clinical Outcomes**

*Chair: Dr. Johannes Holz, Germany
Dr. Claudio Zorzi, Italy*

Topic: Changes in medial and PF compartment joint contact forces after medial opening-wedge HTO and the KineSpring System: an in-vitro study

Speaker: Dr. Gerrot Bode, Germany

Topic: Treatment of recurrent medial knee pain following HTO using the KineSpring System unloading device – A SPECT/CT visualized case report

Speaker: Dr. Matthias Schenkel, Switzerland

Topic: Our Clinical Experience with the KineSpring System

*Speaker: Dr. Vincenzo Madonna, Italy
Dr. Claudio Zorzi, Italy*

Discussion & Hands-On

Lunch Workshops

Partners Exhibitors

Floor plans

Social Programme

General information

Faculty

ROOM
G102-G103 SANOFI

**LW12 Hyaluronic acid treatment of pain and mobility in osteoarthritis of the knee:
Are all options equal? Findings from a large real-world cohort**

Speaker: Dr. Robert Petrella, Canada

*Robert J Petrella MD, PhD Beryl and Richard Ivey Research Chair Lawson Health Research
Institute Professor, Family Medicine, Rehabilitation, Kinesiology and Cardiology University of
Western Ontario*

ROOM
G106-G107 Stryker

LW13 Innovation in Anatomic ACL Reconstruction with VersiTomic

*Topic: Principles of Anatomical ACL Reconstruction – Challenges (Share results
of clinical study)*

Speaker: Dr. Francesco Traina, Italy

*Topic: Benefits of Flexible Instrumentation for Femoral Tunnel Drilling in Single Bundle ACL
Reconstruction (Poster Exhibit)*

Speaker: Dr. Frank Wein, France

Topic: VersiTomic G-Lok Tips and Tricks

Speaker: Dr. Richardo Varatojo, Portugal

ROOM
FORUM Richard Wolf GmbH

LW14 Specials in ACL / PCL-Reconstruction

*Topic: Anatomic ACL Reconstruction with ST-tendon using
anatomic oval femoral bone tunnels*

Speaker: Prof. Roland Becker, Germany

Topic: ACL reconstruction using Quadriceps graft in implantfree Press-fit technique

Speaker: Dr. Jürgen Höher, Germany

Topic: PCL reconstruction using T-Lock femoral fixation

Speaker: Dr. Tobias Jung, Germany

spirit of excellence

ROOM

E104-E107

Arthrex GmbH



LW15 Update in HTO and Knee Arthroplasty

Chair: Prof. Karl Benedetto, Austria

Topic: Our Unicondylar Knee and HTO: Indications and results

Speaker: Dr. Ned Amendola, USA

Topic: HTO: 3yrs result using Arthrex PEEKPower HTO

Speaker: Prof. Andreas B. Imhoff, Germany

Topic: iBalance Patellofemoral Joint: Who gets one and when?

Speaker: Dr. Ned Amendola, USA

Discussion

ROOM

EMERALD

ArthroCare



LW16 Q-Fix™:

The Next Generation In All Suture Fixation – Meet the Designer.

Speaker: Dr. Treg D. Brown, USA

ROOM

E102

BIOMET



LW11 LIVE SURGERY – ARTHROSCOPIC LIGAMENTOPLASTY OF THE LATERAL ANKLE

Chair: Dr. Stephane Guillo, France

Dr. Bas Pijnenburg, Netherlands

Topic: Satellite transmission from the Amstelland hospital – Amstelveen – The Netherlands

Moderators: Dr. John Kennedy, USA

Mr. Anthony Perera, United Kingdom

Dr. Thomas Bauer, France

ROOM**G102-G103****DePuy Synthes**

LW18 **Anatomic ACL reconstruction,
different approaches**

Speaker: *Dr. Peter Reynaert, Belgium*
Prof. Jon Karlsson, Sweden

ROOM**G106-G107****Episurf Medical**

LW19 **Focal resurfacing for cartilage lesions – the Episurf concept**
Discussion & Hands-On

Speaker: *Prof. Leif Ryd, Sweden*

ROOM**E103****Karl Storz**

LW20 **Peripheral knee instability**

Speaker: *Prof. Christian Fink, Austria*
Prof. Andreas Weiler, Germany

ROOM**G104-G105****ORTEQ SPORTS MEDICINE****LW21 Save the Meniscus**

*Chair: Prof. Em Rene Verdonk, Belgium
Dr. JC Monllau, Spain*

Topic: Actifit® meniscal scaffold 5 year results

Speaker: Prof. Peter Verdonk, Belgium

*Topic: Persistent Knee Pain Following Partial Meniscectomy:
A Comparison Of Clinical And Functional Outcomes Following Meniscal
Augmentation With The Actifit® Polyurethane Scaffold Versus Arthroscopic
Debridement And Rehabilitation – A Pilot study*

Speaker: Rahul Patel, United Kingdom

*Topic: My 10 year experience of meniscus scaffolds in Segmental meniscus Defects –
Key Indications*

Speaker: Dr JC Monllau, Spain

Topic: Turkish experience of the Actifit® meniscal scaffold – interesting cases

Speaker: Prof M Bozkurt, Turkey

Topic: Meniscus Repair – MSC's and scaffolds

Speaker: Prof Peter Angele, Germany

ROOM**FORUM****SANOFI BIOSURGERY****LW22 The MACI® Implant –
Setting New Standards in Cartilage Repair**

*Topic: Results of SUMMIT: MACI® Implant vs. Microfracture, A Prospective,
Randomized Controlled Trial – Meeting the New Standards in Cartilage Repair*

Speaker Prof. Daniel B. F. Saris, Netherlands

Topic: Long-Term Follow-Up and Health Economic Value Implications of the MACI Implant

Speaker George Bentley, United Kingdom

ROOM

AUDITORIUM Smith & Nephew, Inc.



LW23 ANATOMIC ACL RECONSTRUCTION

Moderator: Dr. Charles Brown Jr., UAE

Topic: ACL Anatomy: New Concepts

Speaker: Dr. Rainer Siebold, Germany

Topic: What Fibers Region of the ACL Should You Reconstruct?

Speaker: Mr. Andrew Amis, UK

Topic: Anatomic ACL Reconstruction: What Is It and How Do We Achieve It?

Speaker: Dr. Charles Brown Jr. UAE

Topic: The Concept of Individualized Anatomic ACL Reconstruction

Speaker: Dr. Freddie Fu, USA

Topic: Anatomic ACL Reconstruction: Will I Have a Higher Failure Rate?

Speaker: Dr. Martin Lind, Denmark

Topic: ACL Augmentation and Remnant Preservation

Speaker: Dr. Mitsuo Ochi, Japan

Topic: The anterolateral ligament of the knee: What is it, where is it and it is important?

Speaker: Mr. Andrew Williams, UK

Extraarticular ACL Reconstruction: How I Do It – Live Surgical Demonstration

Moderator: Mr. Andrew Williams, UK

Faculty: Dr. Koen Lagae, Belgium

Prof. Peter Verdonk, Belgium

Live Surgical Demonstration: Where Do the Experts Place Their ACL Tunnels?

Moderators: Dr. Charles Brown Jr., UAE & Mr. James Robinson, UK

Faculty: Dr. Ramon Cugat, Spain; Dr. Matteo Denti, Italy; Dr. Patrick Djian, France; Dr. Freddie Fu, USA; Dr. Martin Lind, Denmark; Dr. Luigi Pederzini, Italy; Dr. Rainer Siebold, Germany; Prof. Peter Verdonk, Belgium; Mr. Andrew Williams, UK and A Selected Audience participant

Results of the ACL Tunnel Placement Study

Speaker: Mr. James Robinson, UK

ROOM

G109

Stryker



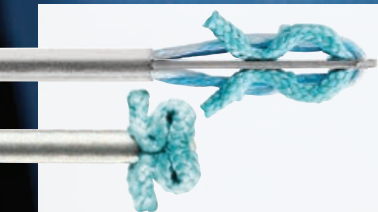
LW24 Soft tissue considerations in TKA – balancing design and technique

Speaker: Prof. Fabio Catani, Italy

Mr. Jonathan Eldridge, United Kingdom

Mr. Neil Bradbury, United Kingdom

Scott Logan, USA



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Sensory feedback takes the guesswork out of soft-anchor deployment.

You told us you wanted a more confident deployment method for all-suture-based anchors, and we responded with the SUTUREFIX ULTRA Suture Anchor. It's different because the anchor construct forms against the *inserter*, not the cortical layer, as with other soft anchors. So deployment is more reliable, because it is less dependent upon bone density. And it even lets you know when the anchor has been deployed – with audible, tactile and visual cues.¹

Visit us at booth #L3. To see the SUTUREFIX ULTRA story, scan the code or visit suturefixultra.com.

1. Data on file: 15002117.

Smith & Nephew, Inc.
150 Minuteman Road
Andover, MA 01810
USA

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T +1 978 749 1000
US Customer Service: +1 800 343 5717
International Customer Service: +1 978 749 1140

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The ESSKA would like to thank the partners of the 16th ESSKA Congress 2014 for their extraordinary support!



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Active Implants	NL-3972 NG Driebergen	F.5
albrecht GmbH	D-83071 Stephanskirchen	T.2
AMPLITUDE	F-26000 Valence	E.15
Amsterdam Foot & Ankle Platform	NL-1105 AZ Amsterdam	D.1
Arthrex GmbH	D-85757 Karlsfeld	E.3
ArthroCare	UK-Knaresborough HG5 8QB	E.4
Arthroscopic Skillslab - Dutch Innovation	NL-2628 CD Delft	D.2
Arthrosurface	USA-Franklin, MA 02038	T.13
Bauerfeind	D-07937 Zeulenroda-Triebes	O.8
BIOMET	UK-Bridgend CF31 3XA	L.3
Bioventus Coöperatief U.A.	NL-2132 LS Hoofddorp	L.8
Bledsoe Brace Systems	USA-Grand Prairie, TX 75051	R.4
BLUE BELT TECHNOLOGIES	UK-Manchester M22 5TG	T.3
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CELLCOTEC B.V.	NL-3723 MB Bilthoven	E.7
Clinical Graphics	NL-2629 JD Delft	F.3
ConMed Linvatec	B-1620 Drogenbos	E.8
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DeSoutter Medical Ltd.	UK-Aston Clinton, Buck HP22 5WF	E.5
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DR MEDICAL	CH-4503 Solothurn	E.10
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Episurf Medical	SE-11542 Stockholm	F.12
ESSKA	L-1460 Luxembourg	D.5
FH ORTHOPEDICS	F-68990 Heimsbrunn	E.14
Fin-Ceramica	I-48018 Faenza	T.4
FUJIFILM SonoSite	UK-London EC4A 3TW	R.9
Geistlich Surgery	CH-6110 Wolhusen	F.7
GeNouRoB	F-53000 Laval	E.16
ISAKOS	USA-San Ramon, CA 94583	D.2
Karl Storz	D-78532 Tuttlingen	L.5

Company	Country/City	Stand-No.
LCA PHARMACEUTICAL	F-28000 Chartres	F.8
Link Nederland	NL-3115 HD Schiedam	E.13
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Mathys Ltd Bettlach	CH-2544 Bettlach	L.7
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Medacta International	CH-6874 Castel San Pietro	O.5
MEDEX RESEARCH	UK-Chichester PO19 1BU	F.14
medi GmbH & Co. KG	D-95448 Bayreuth	L.4
MicroPort Orthopedics	NL-1101 BA Amsterdam	E.1
Moximed International GmbH	CH-8005 Zürich	O.6
Neoligaments	UK-Leeds LS19 7UE	F.4
NEWCLIP TECHNICS	F-44115 Haute Goulaine	O.7
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ORTHOGEN Lab Services GmbH	D-40210 Düsseldorf	T.7
Orthospace Ltd.	IL-30889 Caesarea	F.9
Össur	NL-5690 AC Son en Breugel	T.12
Piramal Life Sciences	CA-H7V4B3 Laval, QC	L.1
PORTO-KNEE TESTING DEVICE	PT-4150-797 Porto	E.2
PROTEAL	ES-08029 Barcelona	F.1
REGEN LAB SA	CH-1052 Le Mont-sur-Lausanne	R.1
RTI Surgical	NL-3992 DC Houten	R.5
RUDOLF Medical GmbH + Co. KG	D-78567 Fridingen	T.9
RZ Medizintechnik GmbH – Progress in Surgery	D-78532 Tuttlingen	E.6
SAGE	USA-Thousand Oaks, CA 91320	T.10
SANOFI	F-75008 Paris	R.8
SANOFI BIOSURGERY	USA-Cambridge, MA 02142	F.13
Sawbones Europe AB	SE-21616 Malmö	L.6
Shanghai Bojin Electric Instrument & Device Co., Ltd	CHN-200436 Shanghai	F.6
Simbionix USA Corporation	USA-Cleveland, OH 44103	E.11
Smith & Nephew, Inc	USA-Andover, MA 01810	L.2
SproFit	B-3600 Genk	O.3
Stryker	CH-1820 Montreux	O.1
TORNIER	F-38330 Montbonnot	F.11
TRB CHEMEDICA INTERNATIONAL SA	CH-1211 Geneva	E.9
VirtaMed AG	CH-8952 Schlieren	O.2
WISEPRESS MEDICAL BOOKSHOP	UK-London SW19 2JL	T.8
Richard Wolf GmbH	D-75438 Knittlingen	T.6

as of 24 April 2014

Lunch Workshops

Partners Exhibitors

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Social Programme

General information

Faculty



Join ESSKA

The European Society of Sports Traumatology,
Knee Surgery and Arthroscopy

What is ESSKA?

ESSKA represents Europe in the field of sports traumatology and degenerative joint-disease.

- We bring together the practitioners, orthopaedic doctors, the surgeons and their various societies.
- We foster the sharing of research, of practical techniques and experience.
- We organise courses, conferences and fellowship programmes.
- We publish a prestigious monthly clinical journal, an online basic science journal, books and a newsletter, to keep our members at the forefront of developments.
- We educate online with increasing sophistication and scope.

In all this, ESSKA's aim is to improve our patients' quality-of-life, by improving the quality of their treatment.

What are the Benefits of ESSKA Membership?

- A free monthly copy of KSSTA, our renowned journal
- Reduced fees for ESSKA events: the Biennial Congress, the workshops, seminars and courses etc.
- A 25% reduction on ESSKA publications
- Access to our online education platform: ESSKA Academy
- The ESSKA Newsletter, published twice a year
- The right to vote at the General Meeting, serve on ESSKA committees, and apply for section membership



ESSKA Executive Office

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Fax: (+352) 4411-7678

E-mail: membership@esska.org

www.esska.org

Want to join?

If you wish to join ESSKA or renew your membership,
please visit the ESSKA booth during the Congress
or go to www.esska.org/membership



ESSKA
Foundation

**Donate to ESSKA Foundation
for Research and Education!**



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The ESSKA Foundation was established in 2013 under the aegis of the Fondation de Luxembourg with the aim to raise the level of care and achieving excellence in the field of orthopaedics, especially in sports medicine and degenerative joint disease in Europe, to improve musculoskeletal function and quality of life of patients

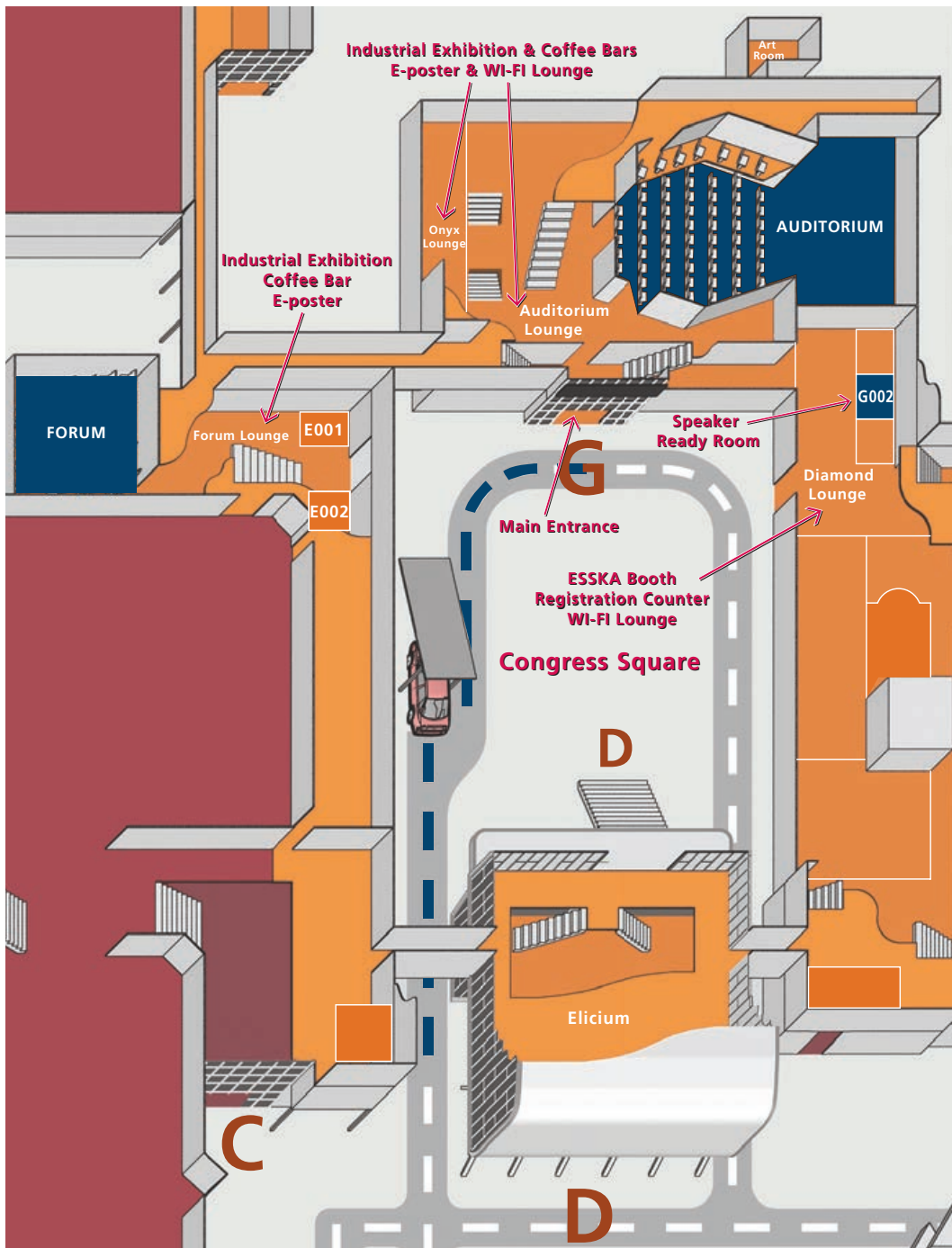
To achieve its mission, the ESSKA Foundation supports ESSKA education and both national and international research projects in the field of orthopaedic and sports medicine and surgery with special emphasis on arthroscopy.

The Board of ESSKA is most appreciative of the support it has received from the Fondation de Luxembourg's team and look forward to further cooperation in the future.



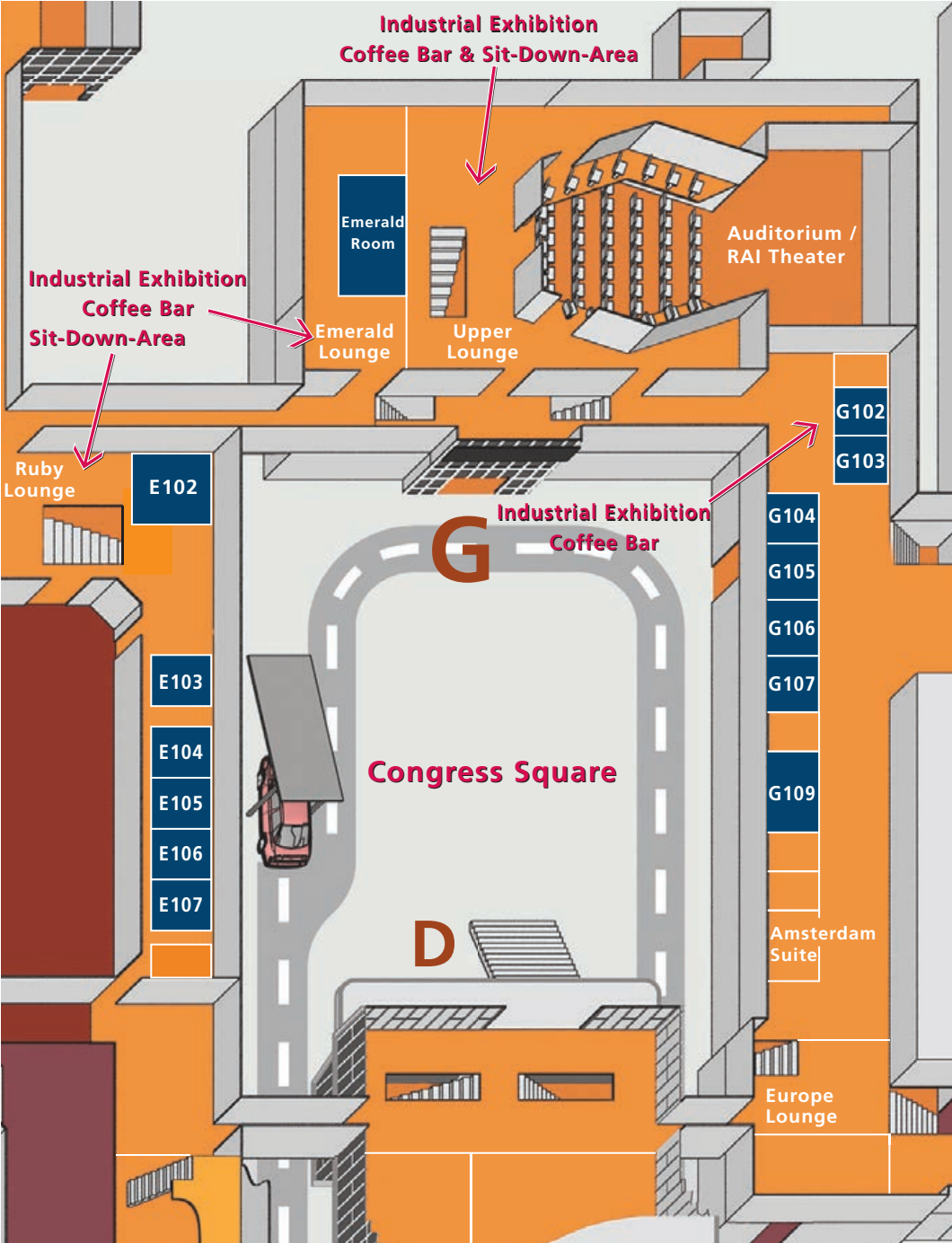


GROUND FLOOR



Lecture Rooms

Detailed description



Lunch Workshops

Partners Exhibitors

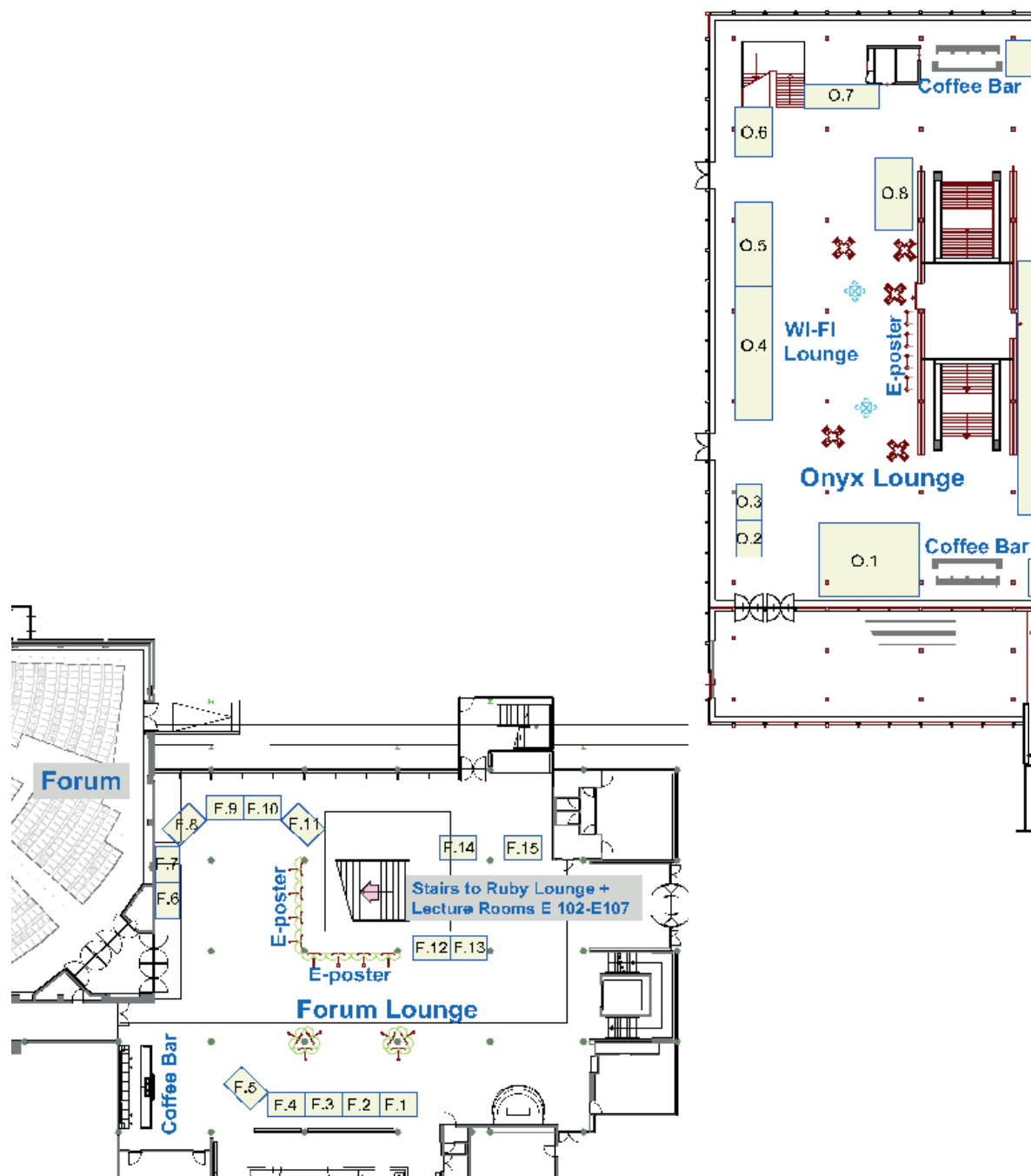
Floor plans

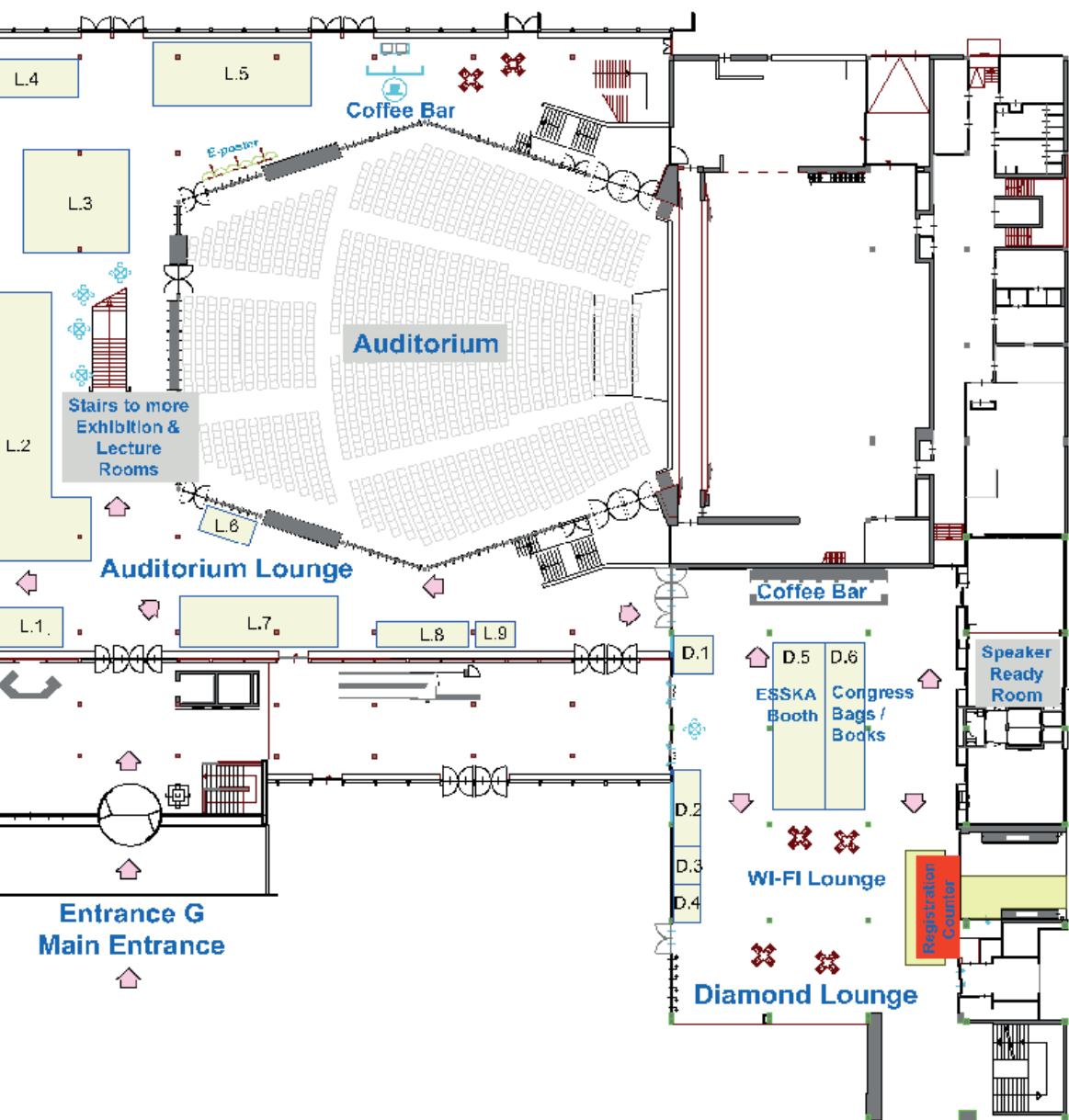
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EXHIBITION PLAN GROUND FLOOR





Lunch Workshops

Partners Exhibitors

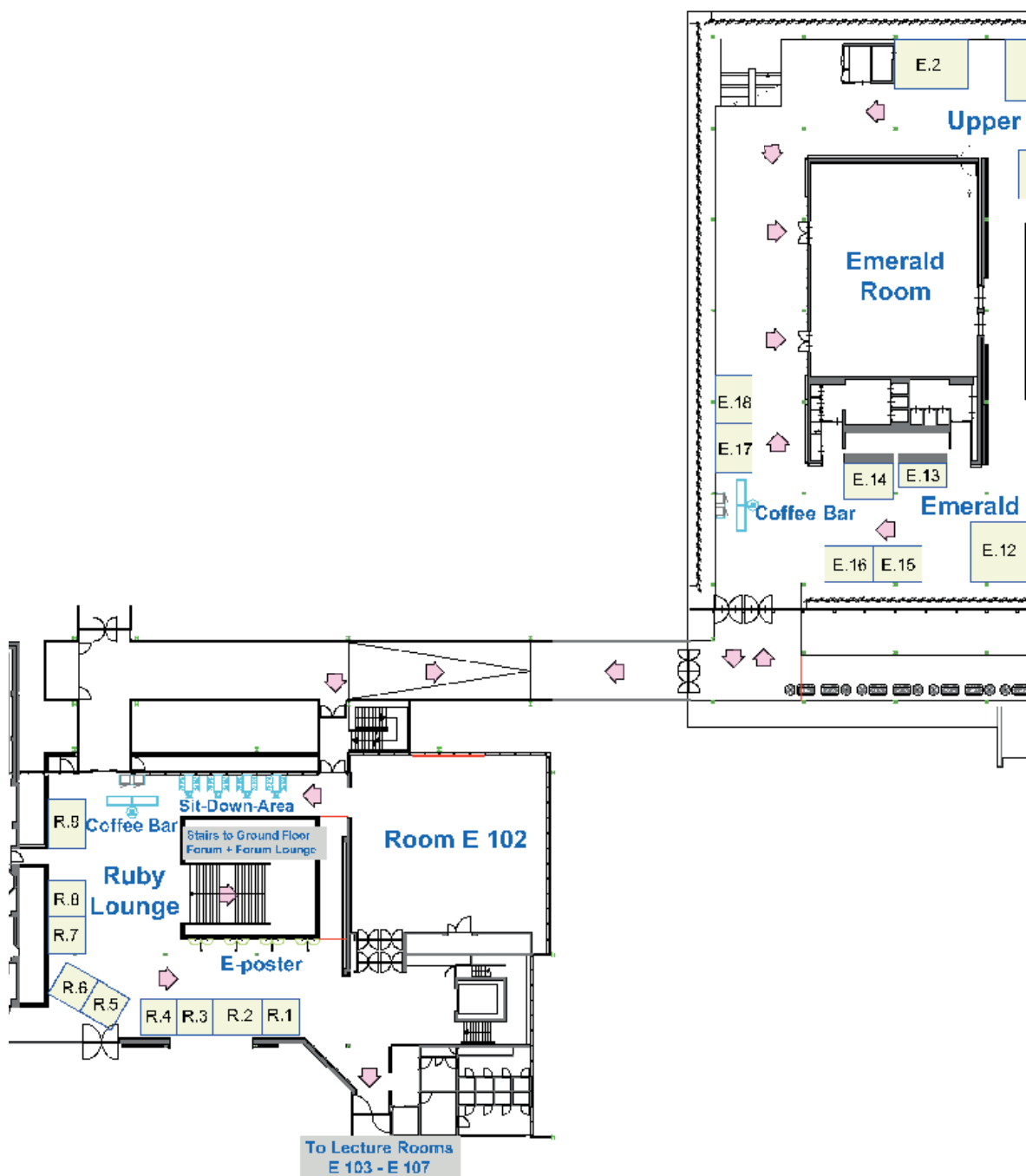
Floor plans

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EXHIBITION PLAN FIRST FLOOR



ESSKA EDUCATIONAL PROGRAMME Overview

Dear ESSKA Members,

As ESSKA Educational Secretary, I am very pleased and honoured to announce the existing ESSKA educational opportunities. I kindly invite you to apply, so you could enhance your knowledge.

Please visit our website **www.esska.org** for detailed information and please do not hesitate to contact Mr. Joseph Ramesh (fellowships@esska.org) at the ESSKA office or myself (pietro.randelli@unimi.it), if you are interested.

In case you would personally like to discuss different educational opportunities, please visit the ESSKA Booth during the Amsterdam Congress **14-17 May 2014**.

Sincerely,

Pietro Randelli
ESSKA Educational Secretary

ESSKA-AOSSM DJO

Travelling Fellowship

This is an international biennial exchange programme for promising young orthopaedic surgeons. It is run in collaboration with The American Orthopaedic Society for Sports Medicine (AOSSM). The chosen Fellows, we believe, will become future leaders in their field, and this fellowship will be their launching-pad, something they will never forget.

For detailed information and application deadlines, please visit **www.esska.org/fellowships**

It is sponsored by **DJO**, whom we thank for their support.



ESSKA-APKASS DJO

Travelling Fellowship

This is an international biennial exchange programme for promising young orthopaedic surgeons. It is run in collaboration with the Asia-Pacific Knee, Arthroscopy and Sports Medicine Society (APKASS). Those selected, we believe, will become future leaders in their field.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **DJO**, whom we thank for their support.



ESSKA-SLARD S&N

Travelling Fellowship

This fellowship is reserved for those with the potential to reach the highest levels. Candidates are carefully chosen (every two years) for their scientific and clinical excellence, their enthusiasm and achievement. The fellowship is organized in collaboration with the Sociedad Latino-Americana de Artroscopia Rodilla y Traumatología Deportiva (SLARD).

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **Smith and Nephew**, whom we thank for their support.



ESSKA Stipend for the European

Arthroscopy Fellowship

This is a partnership between ESSKA and various national societies: AEA/SPAT, AGA, SIGASCOT and SFA. Four fellows are selected by their national societies – one by each partner – and the fifth is chosen by ESSKA.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **ESSKA**.



ESSKA-EKA TORNIER

Knee Arthroplasty Fellowship

This is a travelling fellowship for both young and experienced surgeons. It enables them to meet the best practitioners in the field of Sports Traumatology, Knee Surgery and Arthroscopy. This fellowship was conceived by EKA, a section of ESSKA.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **Tornier**, whom we thank for their support.



ESSKA S&N

International Arthroscopy Fellowship

This fellowship enables young surgeons from all over the world to spend three to four weeks at an ESSKA accredited teaching centre and enhance their knowledge and skills.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **Smith and Nephew**, whom we thank for their support.



ESSKA-EKA ZIMMER

Knee Replacement Fellowship

This fellowship deals with orthopaedic joints replacement surgery. It enables young surgeons from Europe, the Middle East and Africa to enhance their skills, by spending up to four weeks at leading centres in Western Europe.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **Zimmer**, whom we thank for their support.



ESSKA ALWIN JAGER

Senior Fellowship

This fellowship enables senior and experienced orthopaedic surgeons, those who are over 40, to spend a week at an ESSKA accredited teaching-centre. They will take part in different operations related to knee arthroscopy, meniscus and cartilage repair, primary total hip arthroplasty and also discuss postoperative follow-up and complications, amongst others.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by the **Alwin Jager Foundation**, whom we thank for their support.



ESSKA-Chelsea

FC Sports Trauma Fellowship

This fellowship covers the prevention, treatment and rehabilitation of sports injuries, specifically those of soccer. The chosen Fellows will spend 2/3 weeks at Chelsea's famous Football Club, where they will work closely with the resident medical staff.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is organised in collaboration with **Chelsea Football Club**, whom we thank for their support.



ESSKA ZIMMER

Oncology and Infection Fellowship

This Fellowship is for orthopaedic surgeons with at least three years' experience. It deals with reconstructive surgery in cases of oncology, and with infections of the musculo-skeletal field. Two to four weeks will be spent in specialized European teaching centres, which are accredited by ESSKA.

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **Zimmer**, whom we thank for their support.



ESSKA DePuy Synthes

Degenerative Joint Fellowship

This Fellowship covers total joint replacement, particularly of knees and shoulders. A month of full-duty training, at selected centres across Europe, will teach the diagnostics for conservative and surgical treatment. Special theoretical and practical sessions will teach young surgeons to perform joint replacements. It is organised in conjunction with EKA and ESA (the relevant sections of ESSKA).

For detailed information and application deadlines, please visit www.esska.org/fellowships

It is sponsored by **DePuy Synthes**, whom we thank for their support.



EKA International Knee Arthroplasty

Travelling Fellowship

This Fellowship will enhance the skills of young orthopaedic surgeons, those who are already training on knee arthroplasty. The selected Fellows will visit 6 to 8 teaching centres, over a maximum of four weeks. It is organised by EKA, (a section of ESSKA).

For detailed information and application deadlines, please visit

www.esska.org/fellowships

<http://www.europeankneeassociates.eu/category/fellowship/>



ESSKA Mitek Sports Medicine

Fellowship Programme

The fellowship focuses on arthroscopy and sports traumatology. This instructional program includes the possibility to learn correct indications for conservative and surgical treatment. It will last up to four weeks across selected centres in Europe. It is organized by ESSKA.

For detailed information and application deadlines, please visit **www.esska.org/fellowships**

It is sponsored by **DePuy Synthes**, whom we thank for their support.



Visit ESSKA Academy and enhance your knowledge-base!



Educational webcasts

these include presentations from earlier congresses. All webcasts can be viewed using the in-built player, which is enhanced with animations, so that the speaker's laser-point movements can be easily followed.



Video techniques

these comprise recordings of live interventions, with the presenter's narration. They will be perfect online educational videos



Journal articles

you can scan abstracts of articles, and then access the full article by simply clicking the button "Link to original article"



e-Series

these are world-renowned experts delivering lectures, especially recorded for ESSKA Academy. These lectures will cover important and controversial topics.

Our new **online platform** is now available to ESSKA members.



What features can you expect from ESSKA Academy?

- **Navigation** – you can navigate easily, using a user-friendly interface, and quickly find what you're looking for.
- **Search filters** – there are powerful filters, which intuitively narrow your search, and guide you to specific targets.
- **Viewing** – you can view webcasts and presentations, using the in-built player, and keep yourself abreast of new developments.
- **Downloading** – you can download content, using dedicated buttons which instantly save the information for later use.
- **Submitting videos for evaluation** – you can submit videos, using the specialised evaluation service. This will have them rated as potential material for the ESSKA Academy.

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Video Podcasts

the video podcast is a popular tool, which allows users to download presentations on their computers, using iTunes software, to watch later.



Learning Quizzes

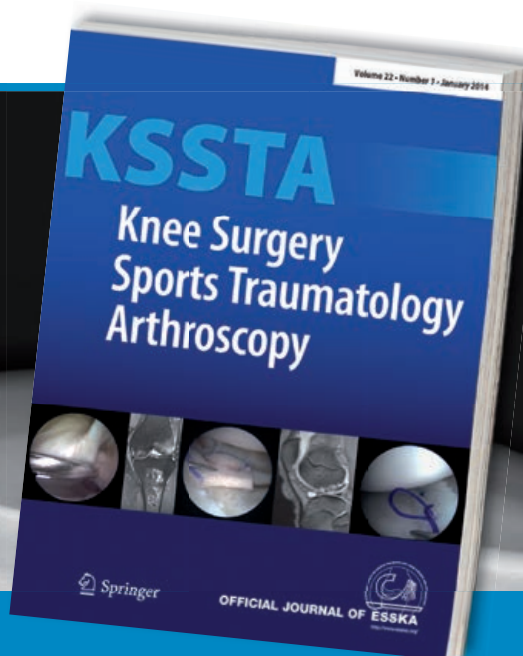
Interactive learning quizzes enable users to test themselves, by answering questions about any specialism. When the user has submitted an answer, he will immediately be able to watch the relevant slides of the relevant presentation, and then watch the entire presentation later, if he wishes.



TALKS on the GO

This is a mobile application, which allows users to browse ESSKA Academy using smartphones and tablets. They can read more about each presentation – such as learning-objectives and abstracts – or read the speakers' biographies. By playing a presentation, users can imagine themselves sitting in the audience!

Visit www.esska.org to get started today!



KSSTA

Knee Surgery, Sports Traumatology, Arthroscopy

The clinical journal of ESSKA

- Peer-reviewed articles that deal with diagnosis, management and research
- Covering all aspects of knee surgery, sports trauma, diagnosis, and treatment and prevention

Free for members of ESSKA

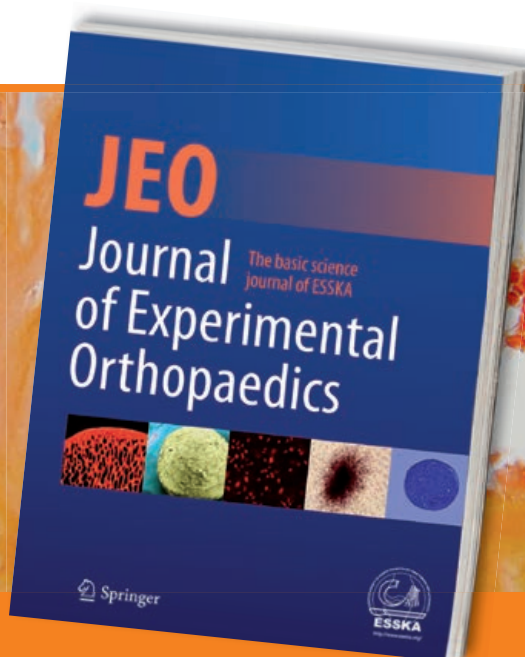


Professor Jon Karlsson
Editor in Chief

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E-mail: kssta@esska.org

www.kssta.org



JEO

Journal of Experimental Orthopaedics

The basic science journal of ESSKA

The Journal of Experimental Orthopaedics is an international journal that aims to bridge the gap between orthopaedic basic science and the clinics.

It publishes papers related to the entire field of experimental orthopaedics, including physiological, pathological and therapeutic aspects of cartilage, bone, tendons and ligaments and other musculoskeletal tissues.

The journal ensures rapid peer-review and publication of high quality papers.

JEO is now accepting manuscript submissions via the Springer online submission system at www.jeo-esska.com



Professor Henning Madry
Editor in Chief

Editorial Office

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www.jeo-esska.com

ESSKA DINNER & PARTY

Join the ESSKA community for a fantastic evening at the Maritime Museum Amsterdam!

Enjoy the spectacular venue, the entertainment programme with music and dance and an evening among friends.

We are looking forward to welcoming you!

Date: Friday, 16 May 2014

Time: 19:00-24:00

Venue: Maritime Museum (Scheepvaartmuseum)
Kattenburgerplein 1
1018 KK Amsterdam

Tickets: EUR 100.00 per ticket
(including transfer, reception, dinner, drinks)



Eric Vloeimans is a Dutch jazz trumpeter. He initially studied classical music at the Rotterdam Academy of Music but switched to jazz a little later. Vloeimans has been involved in numerous international projects. In 2003 he received the most prestigious Dutch jazz award, and the two recent albums have won him the highest awards for music in the Netherlands. We look forward to a world premiere of a piece written especially for this event and performed live on stage.



The National Ballet will perform “Trois Gnossiennes”, a masterly duet by an equally masterly choreographer. Hans van Manen is undoubtedly the greatest choreographer of the Netherlands and his work is performed all over the world. *Trois Gnossiennes*, also referred to as *Satie pas de deux*, is a genuine ‘Van Manen’; a rock-solid work. It is pure poetry in movement; quiet, surprising and incredibly powerful, also due to the choice of Satie’s well-balanced piano music.



THURSDAY, 15 MAY 2014, 9:30-13:30

COLOURFUL FLOWERS AT KEUKENHOF (HALF DAY TOUR)

There are some places in the world which can't be described in words. Their sheer beauty leave tourists spellbound. Keukenhof is proud to be in the list of "10 Places you should definitely visit once in your lifetime".

The park is 32 hectares wide and has 15 kilometres of footpath. Keukenhof has surprises in store for visitors of all ages. Be sure to bring your camera along on this unique experience.

The park is filled with blooming tulips, hyacinths, daffodils and other spring bulbs.

At Keukenhof you can gain inspiration and relax in the beautiful surroundings!

Each year, Keukenhof chooses a special theme. This year's theme is 'Holland'. Traditional and modern symbols alike will be used to illustrate the theme throughout the park.

- Ticket per person:
EUR 60.00

The ticket price includes the entrance fee to the Keukenhof, coffee & apple pie, the guided tour of the park and the bus transfer.

A minimum of 15 participants is required.

- Timetable
 - 09.30 Departure from Amsterdam Centraal, Stationsplein 9, 1012 AB Amsterdam
 - 10.15 Arrival at Keukenhof
 - 10.45 Coffee/tea and apple pie
 - 11.15 Tour through Keukenhof
 - 12.45 End of the tour
 - 13.30 Departure from Keukenhof to Amsterdam Centraal



REGISTRATION:

AT NEW REGISTRATION COUNTER IN THE DIAMOND LOUNGE

THURSDAY, 15 MAY 2014, 10:00-12:30

RIJKSMUSEUM CANAL CRUISE

The ticket price includes the canal cruise ticket, the entrance fee to the Rijksmuseum and coffee & pie. A minimum of 10 participants is required.

Experience the Golden Century on the water & in the museum!

Blue Boat Company & the Rijksmuseum proudly present this unique cruise that takes you back to the Golden days of the 17th century.

And after the cruise, you can visit the art works at the Rijksmuseum.

During the cruise through the canals of Amsterdam you pass by a lot of places that are all – one way or another – connected to works of art from the collection of the Rijksmuseum. Where did Rembrandt live? Where did he paint his famous painting “The Nightwatch”? And where did they hang criminals which was quite common in those days?

At the Rijksmuseum they have lots of works of art from this period. Enormous doll houses representing the large canal houses, portraits of the rich and famous and of course the highlight of the collection, Rembrandt’s “The Nightwatch”!

- Ticket per person:
EUR 55.00
- Timetable
 - 10.00 Gather at Stadhouderskade 30
 - 10.30 Start Rijksmuseum Canal Cruise
 - 11.45 Arrival at Rijksmuseum
 - 12.00 Coffee/tea and pie
 - 12.30 Leisure time at Rijksmuseum



REGISTRATION:

AT NEW REGISTRATION COUNTER IN THE DIAMOND LOUNGE

Date

14-17 May 2014

Congress website

www.esska-congress.org

Opening hours of the registration desk

Tuesday, 13 May: 16:00 - 19:00

Wednesday, 14 May: 7:00 - 19:00

Thursday, 15 May: 7:00 - 18:45

Friday, 16 May: 7:00 - 17:00

Saturday, 17 May: 7:00 - 13:30

Contact to registration desk

Phone: +31 20 5493633

Fax: +31 20 5493465

(from 13-17 May 2014)

Congress venue

Amsterdam RAI

Europaplein 22

1078 GZ Amsterdam

The Netherlands

Official language

English

Opening hours of the industrial exhibition

Wednesday, 14 May: 08:00 - 18:00

Thursday, 15 May: 07:30 - 18:30

Friday, 16 May: 07:30 - 17:00

Saturday, 17 May: 07:30 - 13:00

Congress organisation

Intercongress GmbH

Wilhelmstraße 7

65185 Wiesbaden

Germany

Phone: +49 611 97716-0

Fax: +49 611 97716-16

E-mail: esska@intercongress.de



Registration

Registration fees can be paid in cash in EURO or by credit card (VISA and Master).

	ESSKA member	Non member
Senior MD	€ 500.00	€ 750.00
Junior MD (resident, fellow)	€ 300.00	€ 500.00
Scientist	€ 300.00	€ 500.00
Physiotherapist	€ 300.00	€ 500.00
Student, nurse, allied health professionals	n.a.	€ 200.00
Accompanying person	n.a.	€ 75.00



17th ESSKA Congress

4 - 7 May 2016

Barcelona, Spain

www.esska-congress.org



ESSKA President
Matteo Denti (Italy)

Congress President
Joan C. Monllau (Spain)

Scientific Chairmen
Roland Becker (Germany)
Gino M. Kerkhoffs (Netherlands)
Pablo E. Gelber (Spain)

Organiser & contact
Intercongress GmbH
esska@intercongress.de
www.intercongress.de



Delegate's badge

Please wear your badge at all times as it guarantees admission to the industrial exhibition and the lecture halls. Lost badges may only be replaced upon proof of original payment.

ESSKA member:	blue	Exhibitors:	grey
Non-member:	yellow	Volunteers:	red
Accompanying person:	green		

Coffee and lunch breaks

The Congress organisers are happy to offer you a selection of free catering during the official coffee breaks. Outside of the official breaks and during the lunch break, drinks and snacks are available to purchase at the designated bars spread over the exhibition areas. Please check the venue/exhibition plan for the location of the bars. There will be a variety of catering options during the lunchtime workshops of the industrial companies. Please refer to the lunchtime workshop list on pages 194-202.

Certificate of attendance

A certificate of attendance can be collected at the registration desk. Please have your personalised badge at hand.

CME accreditation

The 16th ESSKA Congress is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.UEMS.net.



The 16th ESSKA Congress is designated for a maximum of 21 European CME credits (ECMEC). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact the AMA.

The Orthopaedic Sports Medicine Comprehensive Review Course (16 May 2014) is designated for a maximum of 6 European CME credits (ECMEC).

E-poster terminals & Poster Happy Hours

Enjoy a whole new experience with the state-of-the-art e-poster terminals! Swipe and view, or search the database for topics, people, technical terms, etc.

You can view the e-posters during the official congress opening hours. Why not meet with your colleagues and research groups to check out some e-posters during the Poster Happy Hours? Have a drink, a snack and swipe through the vast e-poster database!

Location: Forum Lounge, Ruby Lounge, and Onyx Lounge.

Poster Happy Hour I

Wednesday, 14 May 2014: 18:15 - 19:45

Poster Happy Hour II

Thursday, 15 May 2014: 18:30 - 19:30



WiFi internet access

WiFi will be available in all areas used for lectures and exhibition on all congress days free of charge.

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Speakers' onsite preparation room

The speaker preparation room is located on the ground floor, in the Diamond Lounge, room G 002, close to the Congress Registration Counter.

All presentations should be checked and delivered at the speaker preparation room at least 2 hours prior to your session, i.e. if a presentation is being held during a morning session it should be checked at the end of the day before. In the preparation room technicians will be at your disposal. Personal laptops must not be used for presentations in the lecture halls. Speakers are kindly requested to follow the instructions of the chairperson and strictly keep to the time limit of their presentation.

Visitor Information Centre at Schiphol Airport

Visitor Information Centre Schiphol Airport is located at Amsterdam Airport Schiphol. You'll find this tourist office by Schiphol Plaza at Arrivals 2. In addition to speaking with a member of the staff, you'll find a variety of touch screens where you can look up general information about visiting Amsterdam.

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You will find two sit down areas in the Onyx Lounge, Diamond Lounge, Upper Lounge and Ruby Lounge.

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QUICK FACTS

Weather

In Amsterdam there is a moderate climate during the spring months. The average temperature in May is: max. 18° Celsius (64° Fahrenheit) and min. 7° Celsius (44,6° Fahrenheit)
<http://www.iamsterdam.com/en-GB/experience/about-amsterdam/weather>

Time Zone

Amsterdam is located in the middle European time zone (GMT).
The difference between World Time (UTC) is thus +1h

Modern communication

Dialling code: +31

Emergency number:

112

Electricity

Power 230 V, 50 Hz.

Language

Official language in the Netherlands: Dutch

Currency

(March 2014)

EUR (Euro)

EUR 1.00 = \$ 1.38

EUR 1.00 = £ 0.83

Getting to Amsterdam

Amsterdam is one of Europe's top destinations and can be reached easily by air, land and sea. Cheap flights from within Europe and direct flights from outside Europe are readily available, serving Amsterdam airport Schiphol – Europe's fourth largest airport and located just a few kilometres from the city centre.

Transport from the airport

A direct rail link connects Schiphol International Airport to Amsterdam central station and is the fastest and most convenient way to get to the city centre. Trains run every 10 minutes and cost € 3.60 for a single journey.

Airport shuttles run by Connexxion depart every 10 minutes with service to more than 100 hotels throughout the city. Tickets cost € 15.50 one way, € 25.00 for a return, and can be purchased inside the main arrival plaza.

Getting around Amsterdam

Amsterdam is a wonderfully walkable city with most major sites located in or near the city centre. Public transportation is excellent and driving is strongly discouraged within the canal ring. Of course biking is the preferred Dutch way to travel and some would say the only way to truly experience the city.

(For further information on getting to and around Amsterdam go to: <http://www.amsterdam.info/transport/>)

I amsterdam City Card

The “I amsterdam” card is a discount card, which gives you free access to several Amsterdam museums, free rides on public transport within the city, free canal cruise, and several other small gifts and offers.

(<http://www.iamsterdam.com/en-GB/experience/deals/i-amsterdam-city-card>)

About Amsterdam

Amsterdam is one of the greatest small cities in the world. From its canals to world-famous museums and historical sights, Amsterdam is one of the most romantic and beautiful cities in Europe.

Amsterdam is also a city of tolerance and diversity. It has all the advantages of a big city: culture, nightlife, international restaurants, good transport – but is quiet, and largely thanks to its extensive canals, has little road traffic. In Amsterdam your destination is never far away, but get a bike for an authentic local experience. (<http://www.amsterdam.info/>)

Things to avoid

General knowledge of do's and don'ts in Amsterdam concern car driving, bicycle lanes, public transportation and visitor's safety, as well as smoking in public areas.

(For more tips for visitors go to: <http://www.amsterdam.info/tips/>)

Additional source of information

<http://www.iamsterdam.com/>

<http://www.amsterdam.info/>

<http://www.holland.com/uk/tourism/cities-in-holland/visit-amsterdam.htm>

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Wednesday, May 14th, 2014 | 12:30-13:30 hrs | Room E104-107

*New Trends in Knee Instability Treatment | Moderator: Gordon MacKay, UK
Steven Claes, Belgium | Bertrand Sonnery-Cottet, France | Adrian Wilson, UK*

Wednesday, May 14th, 2014 | 12:30-13:30 hrs | Room E103

*New Trends in Shoulder Surgery | Moderator: P. Hardy, France
Karl P. Benedetto, Austria | Andreas Imhoff, Germany | Augustus Mazzocca, USA*

Thursday, May 15th, 2014 | 12:30-13:30 hrs | Room Emerald

*New Surgical Options in Sportsmedicine | Moderator: Andreas Imhoff, Germany
Peter Angele, Germany | Gordon MacKay, UK | Adrian Wilson, UK*

Friday, May 16th, 2014 | 12:30-13:30 hrs | Room E104-107

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