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WELCOME ADDRESS ESSKA PRESIDENT

Welcome to ESSKA's 15th biannual Congress!

For this congress we invite you to Geneva, a spectacular city set in a spectacular landscape, and one to which we all of us owe a great deal. Geneva is not only the city of chocolate and the Red Cross. It was also Calvin's city and because of that it played a major part in creating the modern world, the world of hard-work and dedication to task, the very qualities that we value in ourselves, as doctors and professionals.

And behind this – our 15th Congress – there has certainly been a deal of hard work and dedication. We have assembled some of the world's authorities in sport traumatology, knee surgery and arthroscopy. There will be ICLs, ground-breaking lectures, symposia, poster discussion sessions, as well as the presentation of awards.

With regard to the last two years, I am proud to conclude that we have done much of what we said we would do. In international terms, ESSKA has become a trusted umbrella organization with a growing number of members and affiliated societies, especially in Europe. We have managed this, quite simply, because we “only go for the best”, hence the growing esteem of our congresses. We are open and enthusiastic and this seems to attract young researchers and scientists. And of course the geography helps us – so much quality within such a short distance.

We in ESSKA promote education and research, using our biannual congress as a flagship. And we are convinced that this will be the best Congress ever, and that you will go home having made new friends, formed new and valuable contacts, and learned new techniques from the leaders in the field. If we can manage that then you will leave Geneva and say to yourselves – as many have said of our last congress – that “this is the place where it happens, this is the place to be”...

And we in ESSKA will have achieved our goal, creating a framework for professionals in our field!

As ESSKA's President I would just like to add my personal thanks to all who have created this congress.

Prof. C. Niek van Dijk
President of ESSKA

WELCOME ADDRESS CONGRESS PRESIDENT

Welcome to Geneva

As President of the organizing committee, I am happy to welcome you to the 15th ESSKA Congress in Geneva. Early May is a good period to visit and discover Geneva and its surroundings.

There are some excellent reasons to participate in this ESSKA meeting:

- A very attractive scientific programme has been created by Jacques Ménétreay and Stefano Zaffagnini who have started to work on it 2 years ago. Guest speakers, highlight lectures, instructional course lectures, symposia, mini-battles, Happy Poster Hours and free papers will be presented in 6 parallel rooms.
- The city of Geneva offers a wide choice of attractions. On the hill of the Old City, you can visit an archaeological exhibition, under St-Pierre cathedral which bear witness of more than 23 centuries of history. Leisure activities and shopping will bring you from the tiny roads of the Old City to the wide lakeshore where you will discover the fountain (Jet d'eau) which rises 140 metres over the level of the lake.
- Jean-Jacques Rousseau, famous writer, philosopher and musician, is a child of Geneva where he was born in 1712. We celebrate the 300th anniversary of his birth with various expositions, conferences, concerts and special events. The Jean-Jacques Rousseau Institute, precursor of the Faculty of Psychology and Education Sciences, is celebrating its 100th anniversary.
- During the meeting we will host a "Watchmaker course" on Thursday and Friday. This 2 hours course run by the Bucherer Company will give participants the opportunity to take apart a mechanical watch movement and – then – to rebuild it piece by piece. As Geneva is the capital of the major watch companies of the world, this course is a rare occasion to discover the body of a simple mechanical watch.
- Another workshop will attract your attention: the Victorinox company, worldwide known for its famous "swiss knife", will offer a course on "Manufacture of a knife". The participants will build up a pocket knife under the supervision of professional experts.
- For these 2 courses, a financial contribution of 25,00 EUR each will be asked.
- The Gala Dinner, scheduled on Friday May 4, will be organized at the Starling Hotel, adjacent to PALEXPO. This dinner offers a unique opportunity to meet friends and people from all European countries and the rest of the world. The "Acappella" singers will entertain the audience and a musical atmosphere will extend the evening. Do not miss it!

We hope that you will enjoy these 4 days of ESSKA scientific activities and friendship and that you will bring back home a brilliant souvenir of Geneva.

Prof. Daniel FRITSCHY
Congress President

WELCOME ADDRESS SCIENTIFIC CHAIRMEN

Dear colleagues and members of ESSKA,

The European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) has the pleasure of inviting you to the 15th ESSKA Congress in Geneva, May 2-5, 2012.

We are proud to welcome you to the best scientific programme ever which features 18 Instructional Course Lectures, 218 podium presentations, and more than 650 posters. The scientific value of the work submitted has been very high generating a rude competition for abstract acceptance and podium presentations. We therefore encourage you to also visit the poster venue where you'll find interesting and high level studies presented. Altogether, there will be more than 45 symposia, and 40 lectures and battles. Our initial wish was to render our sessions more interactive and we count on your participation to animate the debates. Don't be shy!

Of course, this year's congress introduces several new and exciting features. One of those is the first

Comprehensive Sports Medicine Review Course. A second is the "Poster Happy Hour" Session (with beverages and snacks) Wednesday and Thursday with all presenters standing at their posters waiting for stimulating discussions with the delegates. A third is the presence of a video booth available throughout the entire meeting where technical tips and pearls will be displayed.

We welcome our seven Highlight Speakers: Jean-Noël Argenson (France), Grégoire Courtine (Switzerland), Pierre Chambat (France), John Feagin (USA), Freddie Fu (USA), Tim Hewett (USA), and Johnny Huard (Canada/USA), who will give insight into the frontline of sports traumatology and degenerative problems. We are proud to invite these eminent and distinguished speakers to our ESSKA congress.

Just as during the Porto and Oslo congresses, the best papers of all submitted abstracts have been selected for the « Star Paper Session ». The 6 papers with the highest scores will compete for the Theo-van-Rens Award on Thursday in the Plenary Hall.

We are also happy to present a full 3-day Physiotherapist programme with lectures, workshops, symposia and free papers, and a one day Nurse course that will be held on Friday.

The programme on Thursday, Friday and Saturday will start with the Instructional Course Lectures, followed by the plenary sessions with invited speakers giving highlight lectures. From 10.30 h, there will be 6 parallel rooms with symposia, lectures, free papers, debates, and symposia. The scientific programme committee has worked hard on integration, geographical and scientific balance and you will find several women and new young speakers.

During the lunch breaks the industry will organise lunch symposia, demonstrating the latest technology available. These events are important, and most probably the best opportunity to keep up with the modern techniques.

The congress starts Wednesday morning, May 2nd, and will end on Saturday, May 5th at lunch time.

We cordially welcome you all to Geneva to share ideas and to participate in an exciting scientific and social programme.

Prof. Jacques Menetrey
Scientific chairman

Prof. Stefano Zaffagnini
Scientific chairman

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Risberg, May Arna	Norway
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Scheffler, Sven	Germany
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Verdonk, Peter	Belgium
Veselko, Matjaz	Slowenia
Victor, Jan	Belgium
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INSTRUCTIONAL COURSE LECTURES

THURSDAY, MAY 3, 2012 / FRIDAY, MAY 4, 2012

THURSDAY, MAY 3, 2012

07:30 - 08:55

Room	Title	Chair	see Page
A + B	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)	<i>Verdonk P. (Belgium), Benedetto K. (Austria)</i>	46
LE JURA	ICL 02: ULS: Management of rotator cuff calcific tendinopathy	<i>Havlas V. (Czech Republic), Karahan M. (Turkey)</i>	56
LE SALÈVE	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options	<i>Poberaj B. (Slovenia), Calvo Diaz A. (Spain), Taverna E. (Italy)</i>	68
C	ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	<i>Victor J. (Belgium), Neyret P. (France)</i>	53
K	ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	<i>van Dijk C. (Netherlands), Calder J. (United Kingdom)</i>	59
E	ICL 01: Arthroscopy committee: Video surgical technique	<i>Siebold R. (Germany), Kartus J. (Sweden)</i>	62

FRIDAY, MAY 4, 2012

07:30 - 08:55

Room	Title	Chair	see Page
A + B	ICL 07: Revision ACL cruciate reconstruction	<i>Denti M. (Italy), Menetrey J. (Switzerland)</i>	74
LE JURA	ICL 08: ULS: Massive RC tears and cuff arthropathy	<i>Brzoska R. (Poland), Cartucho Pereira A. (Portugal)</i>	85
LE SALÈVE	ICL 09: Multiple ligament injury management	<i>Marx R. (United States), Scheffler S. (Germany)</i>	95
C	ICL 10: EKA: Uni in medial OA – The basics	<i>Argenson J. (France), Franz A. (Germany)</i>	81
K	ICL 11: Study design and research methodology	<i>Årøen A. (Norway), Løken S. (Norway)</i>	89
E	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	<i>Messina Jane (Italy), Luchetti R. (Italy)</i>	91

Room	Title	Chair	see Page
A + B	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL	<i>Engebretsen L. (Norway)</i>	104
LE JURA	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology	<i>Brittberg M. (Sweden), Madry H. (Germany)</i>	109
LE SALÈVE	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – Practical guidelines for surgeons	<i>Gleyze P. (France), Cools Ann M. (Belgium)</i>	115
C	ICL 16: EKA: Osteotomy – The basics	<i>van Heerwaarden R. (Netherlands), Mayr H. (Germany)</i>	107
K	ICL 17: ULS: Elbow arthroscopy	<i>Safran M. (United States)</i>	111
E	ICL 18: Navigation in orthopaedic sports medicine	<i>Colombet P. (France), Klos B. (Netherlands)</i>	113

TIMETABLE

WEDNESDAY, MAY 2, 2012

Time	Room A	Room B	Room C	Le Jura				
8.00								
8.15	Opening Ceremony							
8.35	Highlight lecture by Freddie Fu							
8.45								
9.05	Highlight lecture by Tim Hewett							
9.15								
9.35	Highlight lecture by Pierre Chambat							
9.45								
10.00	Coffee break		Visit industrial exhibition					
10.15	Coffee break		Coffee break					
10.30	Free papers: Ligament I	Free papers: Meniscus I	Free papers: EKA - Total joint I	Free papers: Shoulder I				
10.45								
11.00								
11.15								
11.30								
11.45								
12.00	Lunch Workshops							
12.15								
12.30								
12.45								
13.00								
13.15								
13.30								
13.45								
14.00					Lunch Break		Lunch Break	
14.15					ESSKA – AOSSM	New horizons in PCL	EKA - Unicompartmental resurfacing, bi, tri compartmental resurfacing	Arthroscopy Committee: The ACL laxity evaluation: How to make a difference between partial and total?
14.30								
14.45								
15.00	ESSKA – APKASS							
15.15								
15.30	Coffee break		Visit industrial exhibition					
15.45	Coffee break		Coffee break					
16.00	ESSKA – SLARD	Free papers: Cartilage I	Knee arthroplasty and sports	Free papers: Ligament II				
16.15								
16.30								
16.45								
17.00	ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb	Cartilage Committee: The ACL-injured knee with a focal cartilage defect - risk factors prognosis and treatment	EKA – Patient matched cutting blocks	ESSKA – SFA: Sub-Scapularis tears: A 2012 update				
17.15								
17.30								
17.45								
18.00	Poster Happy Hour I		(in Hall 1)					
18.15	Poster Happy Hour I		Poster Happy Hour I					
18.30	Welcome Reception							
18.45								
19.00								
19.15								
19.30								

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time	
				8.00	
				8.15	
				8.35	
				8.45	
				9.05	
				9.15	
				9.35	
				9.45	
Coffee break		Visit industrial exhibition	Coffee break	10.00	
				10.15	
PT Shoulder Symposim: Shoulder dysfunctions	Free Papers: Leg, Foot & Ankle, Tendon			10.30	
				10.45	
				11.00	
				11.15	
				11.30	
				11.45	
Lunch Workshops				12.00	
				12.15	
				12.30	
				12.45	
				13.00	
				13.15	
Lunch Break		Lunch Break		13.30	
				13.45	
PT Knee Symposium: Knee osteoarthritis and Total Knee Arthroplasty	ESSKA – AFAS: Acute ankle instability in the athlete's ankle			14.00	
				14.15	
				14.30	
				14.45	
				15.00	
				15.15	
Coffee break		Visit industrial exhibition	Coffee break	15.30	
				15.45	
PT Knee Symposium: ACL – Non-operative and operative treatment of patients with ACL injury	ESSKA – AFAS: Stress fractures of foot and ankle in the athlete			16.00	
				16.15	
				16.30	
	ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?				16.45
					17.00
					17.15
				17.30	
				17.45	
Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I	18.00	
				18.15	
				18.30	
Welcome Reception		Welcome Reception		18.45	
				19.00	
				19.15	
				19.30	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

THURSDAY, MAY 3, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)		ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	ICL 02: ULS: Management of rotator cuff calcific tendinopathy
8.00				
8.30				
8.45				
8.55				
9.00	Presidential lecture by Niek van Dijk			
9.10				
9.20	Social lecture by Guillaume Courtine			
9.30				
9.45	Ejnar Eriksson Lecture by John Feagin			
10.00	Coffee break		Visit industrial exhibition	Coffee break
10.15				
10.30	Star papers			
10.45				
11.00				
11.15				
11.30	Free papers: Ligament III	Free papers: Shoulder II	Free papers: Degenerative	Free papers: Patello-femoral I
11.45				
12.00	Lunch Workshops			
12.30				
12.45				
13.00				
13.30				
13.45				
13.30	Lunch Break		Lunch Break	
13.45				
14.00	Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures	Failed instability repair: Analysis of prognostic factors	EKA – Kinematics of the natural knee and targets for the replaced knee	Knee injuries in children
14.15				
14.30				
14.45		Key note: Diagnosis and management of the glenoid bone loss		
15.00				
15.10				
15.20				
15.25				
15.30	Coffee break		Visit industrial exhibition	Coffee break
15.45				
16.00	Maxi Battle: Roos vs. Engebretsen	Biology and rotator cuff repair: A new approach	EKA – Patellofemoral joint in TKA	Basic science committee: Knee joint assessment methods
16.15				
16.45	Battle: Two steps vs one step in cartilage repair			
16.55				
17.00	ESSKA – Scandinavian Sports Society	Interactive upper limb cases	EKA – Revision TKA: How to deal with infection: Prevention and treatment	Preservation of ACL remnants (biomechanics, proprioception, vascularization)
17.15				
17.30				
17.45				
17.45				
18.00	Poster Happy Hour II (in Hall 1)			
18.15				
18.30				
18.45				
19.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	ICL 01: Arthroscopy committee: Video surgical technique	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options		7.30
				8.00
				8.30
				8.45
				8.55
				9.00
				9.10
				9.20
				9.30
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
				10.30
				10.45
				11.00
				11.15
Free papers: Return to play	Free papers: Ligament IV	Free Papers: Cartilage IV	Free papers: Basic science	11.30
				11.45
Lunch Workshops				12.00
				12.30
				12.45
				13.00
				13.30
Lunch Break		Lunch Break		13.45
PT Symposium Cartilage: Latest evidence on exercise therapy for patients with cartilage lesions	ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management			14.00
				14.15
				14.30
	ESSKA – SIGASCOT – Current options for treatment of tendinopathy			14.45
				15.00
				15.10
				15.25
				15.27
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
PT Symposium: Hamstring injuries – diagnostic criteria and rehabilitation	PRP in orthopaedic sports medicine			16.00
				16.15
				16.45
				16.55
Free papers: Pelvis/groin	National Award Winners			17.00
				17.15
				17.30
				17.45
Poster Happy Hour II (in Hall 1) Poster Happy Hour II				18.00
				18.15
				18.30
				18.45
				19.00

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

FRIDAY, MAY 4, 2012

Time	Room A	Room B	Room C	Le Jura		
7.30	ICL 07: Revision ACL cruciate reconstruction		ICL 10: EKA: Uni in medial OA – The basics	ICL 08: ULS: Massive RC tears and cuff arthropathy		
8.00						
8.30						
8.45						
8.55						
9.00	Travelling Fellows presentation					
9.15						
9.30						
9.45	Highlight lecture by Jean-Noël Argenson					
9.55	Coffee break		Visit industrial exhibition	Coffee break		
10.15						
10.30	Free papers: Ligament V	Free papers: Shoulder III	Free papers: EKA – Joint replacement	Free papers: Meniscus II		
10.45						
11.00	ESSKA General assembly					
11.30						
12.00						
12.30	Lunch Workshops		Lunch Workshops			
12.45						
13.00						
13.30						
13.30	Lunch Break		Lunch Break			
13.45						
14.00	Free papers: Sport specific & Injury prevention	Biological treatment of early osteoarthritis	Free Papers: EKA – Total joint replacement	Hip Arthroscopy: Basic concept current indication and future perspective		
14.15						
14.30						
14.45						
15.00		Key note: Radiofrequency and meniscal tissue: From resection to repair				
15.10						
15.15		QQ: Osteochondritis dissecans of the elbow: Treatment options				
15.25						
15.30	Coffee break		Visit industrial exhibition	Coffee break		
15.45						
16.00	Key note: ACL laxity evaluation	Free Papers: Basic Science II	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique	ESSKA – AGA: Remodelling of the ACL-graft		
16.10						
16.15	Key note: When to do an osteotomy in lateral and AP laxity?					
16.25						
16.30	Key note: Mosaicplasty – Does size matter?					
16.40						
16.45	Key note: Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications					
16.55						
17.00	Key note: IOC & sports medicine	Anatomical dissection / discover the elbow	EKA – TKA: Optimizing Part I	Free Papers: Ligament VIII		
17.10						
17.15	Key note: Why there are less muscle injuries among female?					
17.25						
17.30	Key note: Does the female heal better than man	Key note: New arthroscopic shoulder portals				
17.40						
17.45	Key note: Muscle injury optimal treatment	Key Note: ULS – Nerve entrapment in shoulder				
17.50						
18.00						

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time	
ICL 11: Study design and research methodology	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	ICL 09: Multiple ligament injury management		7.30	
				8.00	
				8.30	
				8.45	
				8.55	
				9.00	
				9.15	
				9.30	
Coffee break			9.45		
Visit industrial exhibition			10.15		
Coffee break			10.30		
Free papers: Mechanobiology of the knee	Free papers: Muscle & Tendon		Nurse Course	10.30	
				10.45	
				11.00	
				11.30	
KSSTA Review Course	Lunch Workshops			12.00	
				12.30	
				12.45	
				13.00	
				13.30	
Lunch Break			13.30		
				13.45	
Free Papers: Shoulder IV	Free papers: PCL-PLC & Multiple ligament injury	Orthopaedic Sports Medicine Comprehensive Review Course – Upper Limb	Nurse Course	14.00	
					14.15
Relationship recommendations for patient management	Free Papers: Ligament VII				14.30
					14.45
					15.00
					15.10
				15.15	
				15.25	
Coffee break			15.30		
Visit industrial exhibition			15.45		
Coffee break			16.00		
	ATSG – Insertional Achilles Tendinopathy – consensus from diagnosis to the modern treatments	Orthopaedic Sports Medicine Comprehensive Review Course – Lower Limb	Nurse Course	16.00	
				16.10	
				16.15	
				16.25	
				16.30	
				16.40	
				16.45	
				16.55	
	EMTG – Meniscal implantation – South Korean allografts and European synthetic grafts	Orthopaedic Sports Medicine Comprehensive Review Course – Spine and Sport Medicine	Nurse Course	17.00	
				17.10	
				17.15	
				17.25	
				17.30	
				17.40	
				17.45	
				17.50	
				18.00	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

SATURDAY, MAY 5, 2012

Time	Room A	Room B	Room C	Le Jura	
7.30	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL		ICL 16: EKA: Osteotomy – The basics	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology	
7.45					
8.00					
8.15					
8.30					
8.45					
8.55					
9.00	Awards presentation				
9.15					
9.30	Highlight lecture by Johnny Huard				
9.45					
9.55	Presentation ESSKA Amsterdam 2014				
10.00					
10.10	Key note: The joints and the surgeons, a multifactorial analysis for a complex relationship				
10.20					
10.30	Coffee break		Visit industrial exhibition	Coffee break	
10.45					
11.00	Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman	Key note: Disorders clavicular joint	EKA – Lateral OA of the knee uni or osteotomy?	Key note: Root MM Injury	
11.10					
11.15		Key note: Scapulothoracic dyskinesia			
11.25				QQ: Mensical repair: Non absorbable or absorbable suture	
11.30	Free papers: Ligament VI	Crash and nightmare, how things can go wrong in shoulder arthroscopy	Key note: Does limb torsion matter?	Free papers: Cartilage II	
11.40					
11.45					
11.55					
12.00	Multiple ligaments case presentations	Sports medicine committee: Acute hamstring injuries: From onset to treatment	EKA – TKA: Optimizing TKA II	Basic science committee: Latest developments in medical imaging	
12.10					
12.20					
12.30					
12.40					
12.50					
13.00					

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 17: ULS: Elbow arthroscopy	ICL 18: Navigation in orthopaedic sports medicine	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – practical guidelines for surgeons		7.30
				7.45
				8.00
				8.15
				8.30
				8.45
				8.55
				9.00
				9.15
				9.30
				9.45
				9.55
				10.00
				10.10
				10.20
Coffee break			Visit industrial exhibition	Coffee break
				10.30
				10.45
Key note: Arthroscopic treatment of degenerative joint	ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians			11.00
Key note: How to manage a stiff knee				11.10
Key note: Formula One Medicine				11.15
Key note: Patellofemoral osteoarthritis in young adults				11.25
				11.30
				11.40
				11.45
				11.55
				12.00
Free papers: Patello-femoral II	ESSKA – EFOST: Sports and Knee Arthritis			12.10
				12.20
				12.30
				12.40
				12.50
Free papers: Cartilage III				13.00

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

Time	Room A	Room B	Room C	Le Jura				
8.00								
8.15	Opening Ceremony							
8.35	Highlight lecture by Freddie Fu							
8.45								
9.05	Highlight lecture by Tim Hewett							
9.15								
9.35	Highlight lecture by Pierre Chambat							
9.45								
10.00	Coffee break		Visit industrial exhibition					
10.15	Coffee break		Coffee break					
10.30	Free papers: Ligament I	Free papers: Meniscus I	Free papers: EKA - Total joint I	Free papers: Shoulder I				
10.45								
11.00								
11.15								
11.30								
11.45								
12.00	Lunch Workshops							
12.15								
12.30								
12.45								
13.00								
13.15								
13.30								
13.45								
14.00					Lunch Break		Lunch Break	
14.15					ESSKA – AOSSM	New horizons in PCL	EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing	Arthroscopy Committee: The ACL laxity evaluation: How to make a difference between partial and total?
14.30								
14.45								
15.00	ESSKA – APKASS							
15.15								
15.30	Coffee break		Visit industrial exhibition					
15.45	Coffee break		Coffee break					
16.00	ESSKA – SLARD	Free papers: Cartilage I	Knee arthroplasty and sports	Free papers: Ligament II				
16.15								
16.30								
16.45	ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb	Cartilage Committee: The ACL-injured knee with a focal cartilage defect – risk factors prognosis and treatment	EKA - Patient matched cutting blocks	ESSKA – SFA: Sub-Scapularis tears: A 2012 update				
17.00								
17.15								
17.30								
17.45	ESSKA – SFA: Sub-Scapularis tears: A 2012 update							
18.00								
18.15	Poster Happy Hour I		(in Hall 1)					
18.30	Poster Happy Hour I		Poster Happy Hour I					
18.45	Welcome Reception		Welcome Reception					
19.00	Welcome Reception		Welcome Reception					
19.15	Welcome Reception		Welcome Reception					
19.30	Welcome Reception		Welcome Reception					

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
				8.00
				8.15
				8.35
				8.45
				9.05
				9.15
				9.35
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
PT Shoulder Symposim: Shoulder dysfunctions	Free Papers: Leg, Foot & Ankle, Tendon			10.30
				10.45
				11.00
				11.15
				11.30
				11.45
Lunch Workshops				12.00
				12.15
				12.30
				12.45
				13.00
				13.15
Lunch Break		Lunch Break		13.30
				13.45
PT Knee Symposium: Knee osteoarthritis and Total Knee Arthroplasty	ESSKA – AFAS: Acute ankle instability in the athlete's ankle			14.00
				14.15
				14.30
				14.45
				15.00
				15.15
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
PT Knee Symposium: ACL – Non-operative and operative treatment of patients with ACL injury	ESSKA – AFAS: Stress fractures of foot and ankle in the athlete			16.00
				16.15
				16.30
	ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?			16.45
				17.00
				17.15
				17.30
				17.45
Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I	18.00
				18.15
				18.30
Welcome Reception		Welcome Reception		18.45
				19.00
				19.15
				19.30

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A+B

08:15 - 08:35 Opening Ceremony

Chair: Fritschy D. (Switzerland), van Dijk C. (Netherlands), Zaffagnini S. (Italy), Menetrey J. (Switzerland)

08:35 - 09:05 Highlight lecture

Chair: Menetrey J. (Switzerland)

08:35 - 09:05 Anatomical reconstruction of the ACL

IL10-4013 Fu F. (United States)

09:05 - 09:35 Highlight lecture

Chair: Zaffagnini S. (Italy)

09:05 - 09:35 ACL injury mechanism and prevention

IL11-4014 Hewett T. (United States)

09:35 - 10:00 Highlight lecture

Chair: Fritschy D. (Switzerland)

09:35 - 10:00 The European course of knee surgery

IL12-4015 Chambat P. (France)

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

ROOM A

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

Chair: Amis A. (United Kingdom), Fabbriani C. (Italy)

10:30 - 10:35 Dynamic in vivo knee kinematics after anatomic double bundle ACL reconstruction
 FP10-1487 *Kopf S. (Germany), Moloney Gele, Freismuth Kristina, Fu F., Tashman S.*

10:35 - 10:40 The quantitative detection of the pivot shift phenomenon by simple image analysis
 FP10-1311 *Terada S. (United States), Hoshino Y., Musahl V., Fu F.*

10:40 - 10:45 Preoperative and postoperative biomechanical analysis of the knee with partial anterior cruciate ligament disruption: Quantitative evaluation using an electromagnetic measurement system
 FP10-1108 *Nishizawa Y. (Japan), Kuroda R., Matsushita T., Kubo S., Nagamune K., Kurosaka M.*

10:45 - 10:50 Comparison of three non-invasive quantitative measurement systems for the pivot shift test
 FP10-816 *Araujo P. (Brazil), Ahldén M., Musahl V., Hoshino Y., Lopomo N., Fu F.*

10:50 - 11:00 Discussion

11:00 - 11:05 Patients with focal full-thickness cartilage lesions benefit less from ACL reconstruction at 2 to 5 years follow-up
 FP10-598 *Røtterud J. (Norway), Risberg May Arna, Engebretsen L., Årøen A.*

11:05 - 11:10 Femoral graft bending angle and femoral tunnel geometry of transportal and outside-in techniques in anterior cruciate ligament reconstruction: an in vivo three dimensional-computed tomography (3D-CT) analysis
 FP10-436 *Kim J. (South Korea (ROK)), Wang J., Lim H., Ahn J., Jae Hyuck Y., Kim H.*

11:10 - 11:15 Increasing posterior tibial slope does not affect anterior cruciate ligament strain
 FP10-450 *Dürselen L. (Germany), Bauer Jasmin, Seitz A., Ignatius Anita, Reichel H., Nelitz M.*

11:15 - 11:20 Influence of the tibial slope and the size of the intercondylar notch in the ruptures of anterior cruciate ligament
 FP10-1445 *Sonnery-Cottet B. (France), Cucurulo T., Archbold P., Fayard J., Thierry P., Chambat P.*

11:20 - 11:30 Discussion

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A

	continued	Free papers: Ligament I
11:30 - 11:35	FP10-1181	The condition of the medial meniscus influenced in vivo rotational laxity in ACL reconstruction patients <i>Browne J. (United States), Branch T., Jacobs C.</i>
11:35 - 11:40	FP10-618	Does pre-operative laxity influence anterior cruciate ligament reconstruction outcomes? A quantitative analysis with a navigation system <i>Bonanzinga T. (Italy), Marcheggiani Muccioli G., Lopomo N., Signorelli Cecilia, Zaffagnini S., Marcacci M.</i>
11:40 - 11:45	FP10-785	Effectiveness of single- and double-bundle anterior cruciate ligament reconstructions in controlling tibial rotation under fatigue. A three-dimensional kinematic and kinetic analysis study <i>Hantes M. (Greece), Tsarouhas A., Giakas I., Spiropoulos I., Sideris V., Malizos K.</i>
11:45 - 11:50	FP10-771	Optimising femoral tunnel placement in ACL reconstruction: Effect of a 70-degree arthroscope and portal position <i>Khan T. (United Kingdom), Jackson W., Gill H., Beard D., Rees J., Price A.</i>
11:50 - 12:00		Discussion
12:00 - 14:00		Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:00		ESSKA – AOSSM <i>Chair: Espregueira-Mendes J. (Portugal), Djian P. (France), Indelicato P. (United States)</i>
14:00 - 14:05	SY10-4413	Introduction <i>Esprequeira-Mendes J. (Portugal)</i>
14:05 - 14:13	SY10-4418	AOSSM's Sports Trauma and Overuse Prevention (STOP) program <i>Indelicato P. (United States)</i>
14:13 - 14:21	SY10-4414	Prevention on shoulder injuries in the throwing athlete <i>Safran M. (United States)</i>
14:21 - 14:29	SY10-4415	Prevention programs for ACL injury in handball <i>Bahr R. (Norway)</i>

ROOM A

continued		ESSKA – AOSSM
14:29 - 14:37	Prevention of foot and ankle injuries	
SY10-4416	<i>Amendola N. (United States)</i>	
14:37 - 14:45	From injury to return to activity in ACL lesions	
SY10-4417	<i>Sail R. (Luxembourg)</i>	
14:45 - 15:00	Discussion	
15:00 - 15:30		ESSKA – APKASS
<i>Chair: Denti M. (Italy), Madry H. (Germany), Chan KM (Hong Kong), Ochi M. (Japan)</i>		
15:00 - 15:04	APKASS – A new global partner	
SY55-4419	<i>Chan KM (Hong Kong)</i>	
15:04 - 15:11	Distraction arthroplasty in cartilage	
SY55-4420	<i>Ochi M. (Japan)</i>	
15:11 - 15:18	Graft healing and ligamentization after ACL surgery	
SY55-4421	<i>Chen CH (Taiwan)</i>	
15:18 - 15:25	Intriguing tendinopathies – The missing gaps in tissue engineering	
SY55-4422	<i>Chan KM (Hong Kong)</i>	
15:25 - 15:30	Comments from ESSKA	
SY55-4423	<i>Denti M. (Italy), Madry H. (Germany)</i>	
15:30 - 16:00		Coffee break, visit industrial exhibition

Timetables

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Posters

ROOM A

16:00 - 17:00 ESSKA – SLARD

Chair: Randelli P. (Italy), van Dijk C. (Netherlands)

16:00 - 16:08 Acromioclavicular lesions in weightlifters – SLARD

SY11-4424 Emlund L. (Brazil)

16:08 - 16:16 Acromioclavicular lesions in weightlifters – ESSKA

SY11-4425 Ludvigsen T. (Norway)

16:16 - 16:24 First episode of shoulder dislocation in athletes. What we have to do? – SLARD

SY11-4426 Maestu R. (Argentina)

16:24 - 16:32 First episode of shoulder dislocation in athletes. What we have to do? – ESSKA

SY11-4427 Cartucho Pereira A. (Portugal)

16:32 - 16:40 Arthroscopic repair of simultaneous rotator cuff lesions and shoulder dislocation – SLARD

SY11-4428 Larrain M. (Argentina)

16:40 - 16:48 Arthroscopic repair of simultaneous rotator cuff lesions and shoulder dislocation – ESSKA

SY11-4429 Calvo Diaz A. (Spain)

16:48 - 16:51 Conclusions – SLARD

SY11-4430 Slullitel D. (Argentina)

16:51 - 16:54 Conclusions – ESSKA

SY11-4431 Randelli P. (Italy)

16:54 - 17:00 Discussion

17:00 - 18:00 ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb

Chair: van Dijk C. (Netherlands), Seil R. (Luxembourg)

17:00 - 17:12 Ankle

SY15-4365 van Dijk C. (Netherlands)

17:12 - 17:24 Novelties in ACL healing

SY15-4367 Fu F. (United States)

17:24 - 17:36 Knee meniscus: Advanced meniscal repair

SY15-4366 Seil R. (Luxembourg)

17:36 - 17:48 Hip

SY15-4368 Safran M. (United States)

17:48 - 18:00 Discussion

ROOM B

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

Chair: Hulet C. (France), Spalding T. (United Kingdom)

10:30 - 10:35 Partial meniscectomy at the medial posterior horn and its effect on tibiofemoral contact mechanics and meniscal hoop strains in human knees
 FP12-455 Seitz A. (Germany), Lubomierski Anja, Friemert B., Ignatius Anita, Dürselen L.

10:35 - 10:40 Biomechanical considerations in the development of a novel polycarbonate-urethane meniscal implant
 FP12-549 Linder-Ganz E. (Israel), Elsner J., Condello V., Hershman E., Zorzi C., Guilak F., Shterling A.

10:40 - 10:45 What is the best way to fix a meniscal scaffold?
 FP12-249 Hardeman F. (Belgium), Corten K., Verdonk P., Verdonk R., Bellemans J.

10:45 - 10:50 Comparison of safety and efficacy using synthetic scaffolds for treatment of medial and lateral painful irreparable partial meniscal defects; 24 months follow-up
 FP12-623 Beauflis P. (France), Bellemans J., Djjan P., Laprell H., Verdonk R.

10:50 - 11:00 Discussion

11:00 - 11:05 Position of the bony bridge of the lateral meniscal transplants can affect meniscal extrusion
 FP12-41 Choi N. (South Korea (ROK)), Jung Y.

11:05 - 11:10 Functional and radiological comparative study between only-suture technique and bony-fixation technique in meniscal allograft transplantation. Mid term follow-up
 FP12-957 Abat F. (Spain), Gonzalez-Lucena Gemma, Gelber P., Erquicia J., Tey M., Monllau J.

11:10 - 11:15 Meniscal regeneration by a new polyurethane scaffold. A 2-year minimum follow-up study
 FP12-666 Marcheggiani Muccioli G. (Italy), Zaffagnini S., Kon Elizaveta, Filardo G., Busacca M., Marcacci M.

11:15 - 11:20 Polyurethane scaffold for the treatment of painful partial medial and lateral meniscus tissue loss: A single center experience with focus on progress of repair
 FP12-1370 Willemot L. (Belgium), Beekman P., Verdonk R., Verdonk P.

11:20 - 11:30 Discussion

Timetables

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Posters

ROOM B

continued	Free papers: Meniscus I
11:30 - 11:35	The effect of medial meniscal horn injury on rotational stability of knee using a porcine model <i>FP12-879 Smolinski P. (United States), Chen L., Hwang S., Kramer S., Linde-Rosen Monica, Fu F.</i>
11:35 - 11:40	One-year results of the COAST study: A European evaluation of an internal absorber system as an early unloading therapy for patients with medial knee Osteoarthritis (OA) <i>FP12-1122 Almqvist K. (Belgium), Verdonk R., Waller C., London N., Williams R., Wilton T.</i>
11:40 - 11:45	Host serum is not indispensable in collagen performance in viable meniscal transplantation at 4 weeks incubation <i>FP12-231 Torres-Claramunt R. (Spain), Gelber P., Abat F., Tey M., Pelfort X., Monllau J.</i>
11:45 - 11:50	“Sign 4”: A new meniscal test for detection of medial meniscal tears <i>FP12-1348 Iñiguez Magaly (Chile), Vega R., Anastasiadis Zoy, Hallin Karin, Cerda J., Engström B.</i>
11:50 - 12:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30	New horizons in PCL <i>Chair: Benedetto K. (Austria), Verdonk P. (Belgium)</i>
14:00 - 14:10	Monkey survey on isolated PCL <i>SY35-4158 Verdonk P. (Belgium)</i>
14:10 - 14:20	Knee symptoms in isolated PCL-scheduled for surgery <i>SY35-4159 Årøen A. (Norway)</i>
14:20 - 14:30	New imaging <i>SY35-4160 Verdonk P. (Belgium)</i>
14:30 - 15:00	Staging of PCL surgery-Interactive case presentations with the audience <i>SY35-4161 Benedetto K. (Austria)</i>

ROOM B

continued New horizons in PCL

15:00 - 15:10 How to improve treatment in PCL surgery
 SY35-4162 Menetrey J. (Switzerland)

15:10 - 15:30 Discussion

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

16:00 - 17:00 Free papers: Cartilage I
 Chair: Peretti G. (Italy), Brittberg M. (Sweden)

16:00 - 16:05 Treatment of osteochondritis dissecans of the knee with arthroscopic bone marrow-derived cells transplantation ("one step technique"): results and T2 mapping evaluation
 FP16-219 Buda R. (Italy), Vannini Francesca, Battaglia Milva, Cavallo M., Pagliuzzi G., Giannini S.

16:05 - 16:10 Osteochondral transplantation using autografts from the upper tibiofibular joint for treatment of knee cartilage lesions: Long-term results
 FP16-961 Pereira H. (Portugal), Vieira da Silva M., Monteiro A., Oliveira J., Reis R., Espregueira-Mendes J.

16:10 - 16:15 Arthroscopic matrix-induced autologous chondrocyte implantation: 2 year clinical and radiological outcomes
 FP16-280 Ebert J. (Australia), Fallon M., Ackland T., Wood D., Janes G.

16:15 - 16:20 A single stage procedure for cell-based cartilage repair: Final results (36 months follow up) from an EU Pilot Study
 FP16-536 Nehrer S. (Austria), Almqvist K., Brittberg M., Spalding T., Imhoff A., Bothos J.

16:20 - 16:30 Discussion

16:30 - 16:35 Osteochondral defect repair in rabbits using osteochondral biphasic composite constructs with human bone marrow-derived mesenchymal stem cells
 FP16-742 Jang K. (South Korea (ROK)), Wang J.

ROOM B

continued	Free papers: Cartilage I
16:35 - 16:40	Direct overexpression of human insulin-like growth factor I in human normal and osteoarthritic articular cartilage via recombinant adeno-associated virus-mediated gene transfer stimulates both chondrocyte proliferation and matrix synthesis <i>FP16-1260 Cucchiariini Madry Magali (Germany), Kohn D., Madry H.</i>
16:40 - 16:45	Minced umbilical cord fragments as a source of cell for orthopaedic tissue engineering. An in vitro study <i>FP16-886 Marmotti A. (Italy), Bruzzone M., Bonasia D., Castoldi F., Rossi R., Peretti G.</i>
16:45 - 16:50	The chondrotoxic and inflammatory effect of local anesthetics on synoviocytes: An indirect pathway of chondrolysis? <i>FP16-13 Braun Hillary (United States), Busfield B., Kim Hyeon Joo, Scuderi G., Dragoo J.</i>
16:50 - 17:00	Discussion
17:00 - 18:00	Cartilage Committee: The ACL – Injured Knee with a Focal Cartilage Defect – Risk Factors Prognosis and Treatment <i>Chair: Kon Elizaveta (Italy), Årøen A. (Norway)</i>
17:00 - 17:10	Incidence and risk factors for cartilage lesions in ACL-injured knees <i>SY18-4254 Røtterud J. (Norway)</i>
17:10 - 17:20	Natural history and prognosis of cartilage lesions associated with ACL injury <i>SY18-4255 Widuchowski W. (Poland)</i>
17:20 - 17:30	When and how to treat the cartilage defect in the ACL injured knee <i>SY18-4256 LaPrade R. (United States)</i>
17:30 - 17:40	Rehabilitation of the ACL injured knee with cartilage defect and when to return to sports <i>SY18-4257 Risberg May Arna (Norway)</i>
17:40 - 17:50	Future options <i>SY18-4258 Nakamura N. (Japan)</i>
17:50 - 18:00	Discussion
18:00 - 18:30	Poster Happy Hour I <i>in Hall 1</i>

ROOM C

10:30 - 12:00 Free papers: EKA – Total joint I

Chair: Baldini A. (Italy), Thomas N. (United Kingdom)

10:30 - 10:35 How does malrotation and material of the femoral component in TKA influence patellofemoral contact mechanics and wear during gait?

FP13-261 *Luyckx J. (Belgium), Verlinden C., Vanbiervliet J., Labey L., Vandenneucker Hilde, Bellemans J.*

10:35 - 10:40 5 year follow up of 200 patients with Total Knee Arthroplasty (TKA): 100 conventional non-navigated TKA versus 100 navigated TKA

FP13-139 *Cip J. (Austria), Widemschek M., Mayr E., Benesch T., von Stempel A., Martin A.*

10:40 - 10:45 Measurement of the knee flexion angle with a Smartphone-application is precise and accurate

FP13-145 *Schoenahl J. (France), Jenny J.*

10:45 - 10:50 Leg-extension power or knee-extension strength after total knee arthroplasty: which is better related to performance-based and self-reported knee function?

FP13-664 *Bandholm T. (Denmark), Aalund P., Larsen K., Hansen T.*

10:50 - 11:00 Discussion

11:00 - 11:05 A simple radiographic method to predict femoral component rotation in gap balancing total knee arthroplasty

FP13-874 *von Knoch F. (Switzerland), Ilmer C., Harder L., Naal F., von Knoch M., Preiss S.*

11:05 - 11:10 Functional performance and patient-reported knee function one year after total knee arthroplasty

FP13-1228 *Logerstedt D. (United States), Zeni J., Snyder-Mackler Lynn*

11:10 - 11:15 The effect of total knee replacement on the envelope of laxity of the knee

FP13-767 *Ghosh K. (United Kingdom), Alasdair B., Longstaff L., Rushton S., Deehan D.*

11:15 - 11:20 Retention versus sacrifice of the posterior cruciate ligament in total knee arthroplasty: a systematic review and meta-analysis

FP13-1076 *Verra W. (Netherlands), van den Boom L., Jacobs W., Wymenga A., Nelissen R.*

11:20 - 11:30 Discussion

ROOM C

continued	Free papers: EKA – Total joint I
11:30 - 11:35	Rotational alignment of the tibial component in TKA after using the “self alignment technique”: a CT-scan study <i>FP13-704 Berhouet J. (France), Beaufils P.</i>
11:35 - 11:40	Intra-operative assessment of patello-femoral joint kinematics in total knee replacement and its correlation with femoral component position <i>FP13-621 Belvedere C. (Italy), Ensini A., Moctezuma J., Feliciangeli A., Giannini S., Leardini A.</i>
11:40 - 11:45	Temporo-spatial gait characteristics in the context of 3 different knee replacement procedures: TKA vs. MIS-TKA vs. mUKA <i>FP13-1424 Liebensteiner M. (Austria), Krismer M., Sekyra Kathrin, Auckenthaler T., Fischler S., Mayr E.</i>
11:45 - 11:50	The gap technique does not rotate the femur parallel to the epicondylar axis <i>FP13-203 Pfitzner T. (Germany), Matziolis G., Boenicke H., Pfiel S., Perka C.</i>
11:50 - 12:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30	EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing <i>Chair: Murray D. (United Kingdom), Deschamps G. (France)</i>
14:00 - 14:12	UCA in middle aged patients: Long term follow-up results and survival <i>SY13-4128 Peersman G. (Belgium)</i>
14:12 - 14:24	Arguments to decide for resurfacing versus cutting design in UKA <i>SY13-4129 Deschamps G. (France)</i>
14:24 - 14:36	Cementless uni <i>SY13-4130 Murray D. (United Kingdom)</i>

ROOM C

continued EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing

14:36 - 14:48 Uni & patellofemoral replacement
SY13-4132 *Thienpont E. (Belgium)*

14:48 - 15:00 Uni & patellofemoral replacement
SY13-4133 *Benazzo F. (Italy)*

15:00 - 15:12 Tissue Sparing Surgery and Computer Assistance in Knee Reconstruction:
Bi-Ukr vs TKR
SY13-4134 *Confalonieri N. (Italy)*

15:12 - 15:30 **Discussion**

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

16:00 - 17:00 EKA – Knee Arthroplasty and Sports
Chair: Salreta J. (Portugal), Bonnin M. (France)

16:00 - 16:10 Motivations and expectations before resuming sporting activities
SY16-4283 *Dahm Diane (United States)*

16:10 - 16:20 In vivo knee forces during sporting practice
SY16-4284 *D'Lima D. (United States)*

16:20 - 16:30 UKS and sports – Activity levels, type of sports and ACL/UKR
results in sportsmen
SY16-4285 *Dodd C. (United Kingdom)*

16:30 - 16:40 High performance designs with rotating platform
SY16-4286 *Mayr H. (Germany)*

16:40 - 16:50 The effect of sports on TKA survivorship
SY16-4287 *Argenson J. (France)*

16:50 - 17:00 **Discussion**

Timetables

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Posters

ROOM C

17:00 - 18:00 EKA – Patient matched cutting blocks

Chair: Thienpont E. (Belgium), Porteous A. (United Kingdom)

17:00 - 17:10 Past, present and future of patient specific instruments

SY20-4053 Hafez M. (Egypt)

**17:10 - 17:20 Patient matched cutting blocks vs navigated kinematic evaluation:
custom jigs or navigation to optimize implant positioning**

SY20-4054 Marcacci M. (Italy)

17:20 - 17:30 The place of gait analysis in the planning of patient specific instruments

SY20-4055 Argenson J. (France), Parratte S. (France)

17:30 - 17:40 Patient matched unicompartmental and total knee arthroplasty

SY20-4057 Fitz W. (United States)

17:40 - 17:50 PSI works – but be watchful!

SY20-5042 Howell S. (United States)

17:50 - 18:00 Discussion

18:00 - 18:30 Poster Happy Hour I

in Hall 1

10:30 - 12:00 Free papers: Shoulder I

Chair: Korolev A. (Russian Federation), Toussaint B. (France)

10:30 - 10:35 Changes in cerebral perfusion during shoulder arthroscopic surgery at beach chair position: Do we need to monitor cerebral perfusion?

FP11-1410 *Kocaoglu B. (Turkey), Akgun U., Fevzi T., Karahan M., Guven O.*

10:35 - 10:40 The healing response after rotator cuff lesion: variations in growth factor expression during the first three weeks. An experimental study in rats

FP11-170 *Diaz Heredia J. (Spain), Ruiz-Iban M., Gomez Santos Helena*

10:40 - 10:45 Partial thickness rotator cuff tears: Which surgical management?

FP11-1098 *Franceschi F. (Italy), Papalia R., Vasta S., Palumbo A., Maffulli N., Denaro V.*

10:45 - 10:50 The influence of acromion index size on outcomes following arthroscopic repair of full thickness rotator cuff tears

FP11-183 *Van der Meijden O. (United States), Ames J., Horan Marilee, Leake Melissa, Millett P.*

10:50 - 11:00 Discussion

11:00 - 11:05 A pain independent diagnosis to LHB pathology

FP11-407 *Randelli P. (Italy), Ragone Vincenza, Terranegra P., Arrigoni P., Cabitza P.*

11:05 - 11:10 The influence of SLAP refixation with and without LHB tenotomy on glenohumeral stability as a treatment of SLAP lesions with analyzing the effect of LHB on shoulder stability

FP11-779 *Patzer T. (Germany), Habermeyer P., Bobrowitsch E., Hurschler C., Schofer M.*

11:10 - 11:15 Dynamic study of supraspinatus in throwing position using MRI 3D vectorial

FP11-1133 *Abrassart Sophie (Switzerland), Hoffmeyer P., Barea C.*

11:15 - 11:20 Validity of arthroscopic measurement of glenoid bone loss using the bare spot

FP11-395 *Miyatake K. (Japan), Takeda Y., Fujii K.*

11:20 - 11:30 Discussion



continued	Free papers: Shoulder I
11:30 - 11:35	Intra-operative findings and patient re-tear following arthroscopic rotator cuff repair-age may be the most important factor <i>FP11-1102 Haber M. (Australia)</i>
11:35 - 11:40	Stability of double row rotator cuff repair is not adversely affected by scaffold interposition between tendon and bone <i>FP11-958 Beitzel K. (Germany), Apostolakos J., McCarthy Mary Beth, Imhoff A., Arciero R., Mazzocca A.</i>
11:40 - 11:45	Is fibromyalgia a cause of failure in the treatment of a painful shoulder? <i>FP11-678 Blonna D. (Italy), Tellini Alessandra, Bellato E., Bonasia D., Rossi R., Castoldi F.</i>
11:45 - 11:50	Impact of rotator cuff healing following repair on final treatment outcome <i>FP11-877 Lubiatuski P. (Poland), Kaczmarek P., Dzianach M., Ogrodowicz P., Dlugosz J., Romanowski L.</i>
11:50 - 12:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193

**14:00 - 15:30 Arthroscopy Committee: The ACL laxity evaluation:
How to make a difference between partial and total?**

Chair: Dejour D. (France), Musahl V. (United States)

14:00 - 14:10 Introduction – Overview of the different methods of ACL laxity evaluation, clinical-instrumented-radiological

SY12-4274 *Musahl V. (United States), Dejour D. (France)*

14:10 - 14:20 What can we measure from the standard X-ray to the dynamic MRI

SY12-4275 *Dejour D. (France)*

14:20 - 14:30 Static rotational knee laxity evaluations

SY12-4276 *Mouton Caroline (Luxembourg), Theisen D., Pape D., Seil R.*

14:30 - 14:40 Is navigation a useful instrument in laxity evaluation

SY12-4277 *Höher J. (Germany)*

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

SY12-4278 *Lopomo N. (Italy)*

14:50 - 15:00 Antero-posterior laxity the difference in terms of elongation between complete and partial tears with the GNRB

SY12-4279 *Robert H. (France)*

15:00 - 15:10 How to make a difference in terms of laxity between different techniques in ACL reconstruction?

SY12-4280 *Musahl V. (United States)*

15:10 - 15:30 Conclusions and questions

SY12-4282 *Dejour D. (France), Musahl V. (United States)*

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

LE JURA

16:00 - 17:00	Free papers: Ligament II <i>Chair: Koch P. (Switzerland), Smigielski R. (Poland)</i>
16:00 - 16:05	Validity and reliability of the S.P.O.R.T.S score <i>FP15-672 Blonna D. (Italy), Tellini Alessandra, Bonasia D., Rossi R., Bruzzone M., Castoldi F.</i>
16:05 - 16:10	Longitudinal prognosis of ACL reconstruction utilizing SF-36: a multicenter cohort study <i>FP15-717 Dunn W. (United States), Wolf B., Spindler K.</i>
16:10 - 16:15	Professional consensus regarding success after ACL injury does not correspond to published literature <i>FP15-1255 Lynch A. (United States), Logerstedt D., Grindem Hege, Eitzen Ingrid, Risberg May Arna, Snyder-Mackler Lynn</i>
16:15 - 16:20	Clinical and radiological outcomes of a single-bundle reconstruction, a remnant preserving augmentation and a double-bundle reconstruction in the anterior cruciate ligament reconstruction <i>FP15-362 Lee S. (South Korea (ROK)), Yoon K., Jung K.</i>
16:20 - 16:30	Discussion
16:30 - 16:35	Long term follow-up of patellar tendon grafts or hamstring tendon grafts in endoscopic ACL reconstructions. A prospective randomized multi-center study <i>FP15-561 Gifstad Tone (Norway), Sole Anita, Strand T., Uppheim G., Grøntvedt T., Drogset J.</i>
16:35 - 16:40	Single V/S double bundle ACL reconstruction: Functional outcome at 3 years in athletes <i>FP15-1003 Gobbi A. (Italy), Kumar A., Kamatzikos G.</i>
16:40 - 16:45	Anatomic single-bundle (S.B) versus double-bundle (D.B) ACL reconstruction. A prospective, randomized study <i>FP15-960 Alevrogiannis S. (Greece), Skarpas G.</i>
16:45 - 16:50	Implant-free replacement of the anterior cruciate ligament – quadriceps tendon versus patellar tendon – long-term results of a prospective randomized clinical study <i>FP15-1091 Barié A. (Germany), Huber J., Streich N.</i>
16:50 - 17:00	Discussion

17:00 - 18:00 ESSKA – SFA: Sub-Scapularis tears: A 2012 update
Chair: Hulet C. (France), Thomazeau H. (France)
17:00 - 17:08 A new classification
SY31-4163 Toussaint B. (France)
17:08 - 17:16 Radiology and tear diagnosis
SY31-4164 Audebert S. (France)
17:16 - 17:24 Early results of french multicenter study
SY31-4165 Lefebvre Y. (France)
17:24 - 17:32 The Balgrist experience
SY31-4166 Jost B. (Switzerland)
17:32 - 17:40 The British experience
SY31-4167 Monga P. (United Kingdom)
17:40 - 17:48 The Polish experience
SY31-4168 Brzoska R. (Poland)
17:48 - 18:00 Conclusions
SY31-4169 Toussaint B. (France)
18:00 - 18:30 Poster Happy Hour I
in Hall 1

ROOM K

10:30 - 10:35 PT Course – Opening

Chair: Risberg May Arna (Norway), Werner Suzanne (Sweden), Gard Suzanne (Switzerland), Bizzini M. (Switzerland), Della Villa S. (Italy)

10:35 - 12:00 PT Shoulder Symposium – Shoulder dysfunctions – biomechanical and clinical tools and evidence based rehabilitation programs

Chair: Gard Suzanne (Switzerland), Ziltener J. (Switzerland)

10:35 - 10:55 Assessing, recording and communicating scapular movements:
The CISMA Scapulothoracic Assessment System

PT10-4115 Smith M. (United Kingdom)

10:55 - 11:15 Latest updates on shoulder impingement and rehabilitation

PT10-4116 Maenhout Annelies (Belgium)

11:15 - 11:30 Rehabilitation of overhead athletes with shoulder dysfunctions

PT10-4117 Cools Ann M. (Belgium)

11:30 - 11:45 Treatment of stiff shoulder with an exclusive self rehabilitation protocol-A prospective study of 92 cases with 4 years follow up

PT10-4118 Gleyze P. (France)

11:45 - 12:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 PT Knee Symposium – Osteoarthritis and Total Knee Arthroplasty Lower limb biomechanics and evidence based rehabilitation program

Chair: Risberg May Arna (Norway), Roos Ewa (Denmark)

14:00 - 14:20 Lower limb biomechanics significant for rehabilitation in patients with knee osteoarthritis

PT11-4119 Bennell Kim (Australia)

14:20 - 14:30 Exercise type and dose for patients with knee osteoarthritis

PT11-4120 Juhl C. (Denmark)

14:30 - 14:45 Outcome in patients with TKA compared to age matched controls

PT11-4121 Snyder-Mackler Lynn (United States)

ROOM K

continued		PT Knee Symposium – Osteoarthritis and Total Knee Arthroplasty Lower limb biomechanics and evidence based rehabilitation program
14:45 - 15:00	Evidence based exercise therapy for patients with TKA <i>PT11-4122</i>	<i>Briem Kristin (Iceland)</i>
15:00 - 15:15	Neural mechanisms underlying quadriceps weakness in patients with TKA <i>PT11-4123</i>	<i>Maffiuletti N. (Switzerland)</i>
15:15 - 15:30	Discussion	
15:30 - 16:00 Coffee break, visit industrial exhibition		
16:00 - 18:00		PT ACL Symposium – Non-operative and operative treatment of patients with ACL injury <i>Chair: Werner Suzanne (Sweden), Irrgang J. (United States)</i>
16:00 - 16:20	Rehabilitation program for non-operatively treated individuals with ACL injury – Evidence for non-operative rehabilitation and for whom? <i>PT14-4305</i>	<i>Eitzen Ingrid (Norway)</i>
16:20 - 16:40	Latest evidence on the effect of rehabilitation programs after ACL reconstruction <i>PT14-4306</i>	<i>Snyder-Mackler Lynn (United States)</i>
16:40 - 16:55	Core stability – Significant for ACL rehabilitation <i>PT14-4307</i>	<i>Snyder-Mackler Lynn (United States)</i>
16:55 - 17:15	Return to sport in non-operative or operative treated individuals – criteria and risk factors <i>PT14-4308</i>	<i>Thomeé R. (Sweden), Eitzen Ingrid (Norway)</i>
17:15 - 17:30	Sport specific rehabilitation for football players – on field rehabilitation <i>PT14-4309</i>	<i>Danelon F. (Italy)</i>
17:30 - 18:00	Discussion	
18:00 - 18:30		Poster Happy Hour I <i>in Hall 1</i>

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM E

10:30 - 12:00 Free papers: Leg, Foot & Ankle, Tendon

Chair: Cerulli G. (Italy), Longo U. (Italy)

10:30 - 10:35 One step repair in talar osteochondral lesions: 4 years results and T2-mapping capability in outcome prediction

FP14-217 *Vannini Francesca (Italy), Buda R., Battaglia Milva, Cavallo M., Ramponi Laura, Giannini S.*

10:35 - 10:40 Reconstruction of osteochondral lesions of the talus with autologous spongiosa graft and Autologous Matrix Induced Chondrogenesis

FP14-351 *Wiewiorski M. (Switzerland), Miska M., Valderrabano V.*

10:40 - 10:45 First results of treatment of the upper ankle joint with an endoprosthesis system

FP14-933 *Fechner A. (Germany), Meyer O., Godolias G.*

10:45 - 10:50 Autologous osteochondral transplantation of the talus partially restores contact mechanics of the ankle joint

FP14-14 *Fansa A. (United States), Murawski C., Imhauser C., Nguyen J., Kennedy J.*

10:50 - 11:00 Discussion

11:00 - 11:05 Arthroscopic Mesenchymal Stem Cells Reconstructions Of Bone and Joints Defects in large ankle defects-Preliminary Report

FP14-1002 *Hermanowicz K. (Poland), Jancewicz P., Kuzma K., Malinowski K.*

11:05 - 11:10 Acute Achilles tendon rupture. The surgical question revisited. A narrative literature review.

FP14-192 *Kaplan Y. (Israel)*

11:10 - 11:15 Gait disability in patients after total ankle, knee and hip arthroplasty: a 6-month postoperative cross-sectional study

FP14-344 *Casartelli Nicola (Switzerland), Item Julia, Bizzini M., Maffiuletti N.*

11:15 - 11:20 Diagnosis and treatment for tenosynovitis of the flexor hallucis longus tendon: Application of hindfoot endoscopy

FP14-1101 *Innami K. (Japan), Takao M., Komatsu F., Miyamoto W., Matsushita T.*

11:20 - 11:30 Discussion

11:30 - 11:35 Operative versus non-operative management of acute Achilles tendon ruptures: A quantitative systematic review of randomized controlled trials

FP14-56 *Bisson L. (United States), Wilkins R.*

ROOM E

continued Free papers: Leg, Foot & Ankle, Tendon

- 11:35 - 11:40 Anteromedial impingement in the ankle joint outcomes following arthroscopy in the first one hundred cases
FP14-15 Murawski C. (United States), Kennedy J.
- 11:40 - 11:45 Use of the Lysholm score to document function in patients with foot and ankle injuries
FP14-1339 Matheny Lauren (United States), Briggs Karen, Clanton T.
- 11:45 - 11:50 The inflammatory effect of leukocyte-rich versus leukocyte-poor platelet-rich plasma
FP14-119 Drago J. (United States), Braun Hillary, Durham Jennah, Ridley Bethany, Odegaard J., Arnoczky S.
- 11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break,
 and industry workshops, details see pages 184-193

14:00 - 15:30 **ESSKA – AFAS: Acute ankle instability in the athlete's ankle**
Chair: Kerkhoffs G. (Netherlands), Karlsson J. (Sweden)

- 14:00 - 14:15 Acute lateral ankle injury in the athlete, best evidence on diagnosis
SY14-4064 Kerkhoffs G. (Netherlands)
- 14:15 - 14:30 Acute lateral ankle ligament injury in the athlete, functional treatment: what else!
SY14-4065 Karlsson J. (Sweden)
- 14:30 - 14:45 Surgical treatment for acute lateral ankle ligament injury in the athlete
SY14-4066 van Dijk C. (Netherlands)
- 14:45 - 15:00 Bone bruises associated with acute ankle ligament injury: Do these need treatment?
SY14-4067 Longo U. (Italy)
- 15:00 - 15:15 Isolated syndesmotic injury in the athlete
SY14-4068 Calder J. (United Kingdom)
- 15:15 - 15:30 Discussion

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

ROOM E

16:00 - 17:00 ESSKA – AFAS: Stress fractures of foot and ankle in the athlete

Chair: Kerkhoffs G. (Netherlands), Calder J. (United Kingdom)

16:00 - 16:12 MT-V stress fractures; conservative or surgical treatment?

SY17-4074 *Kerkhoffs G. (Netherlands)*

16:12 - 16:24 Navicular stress fractures in the athlete: How to diagnose and treat!

SY17-4075 *Amendola N. (United States)*

16:24 - 16:36 The use of PRP in treatment of stress fractures of foot and ankle in the athlete

SY17-4076 *van Eekeren Inge (Netherlands)*

16:36 - 16:48 Malleolar stress fractures: what do we know?

SY17-4073 *van Dijk C. (Netherlands)*

16:48 - 17:00 Discussion

17:00 - 18:00 ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?

Chair: Kerkhoffs G. (Netherlands), Smigielski R. (Poland)

17:00 - 17:12 Allografts best salvage for secondary talar OCD?

SY21-4071 *Pena F. (United States)*

17:12 - 17:24 The role of alignment in treatment of talar OCD

SY21-4069 *Amendola N. (United States)*

17:24 - 17:36 PRP, bifosfanates, PEMF and other stimulants in treatment of talar OCD

SY21-4070 *Vannini Francesca (Italy)*

17:36 - 17:48 HemiCap covers the problem of secondary talar OCD!

SY21-4072 *van Dijk C. (Netherlands)*

17:48 - 18:00 Discussion

18:00 - 18:30 Poster Happy Hour I

in Hall 1

18:30 - 19:30 Welcome Reception

in Hall 1 & Congress Centre entrance foyer

SURGICAL SITE INFECTION IN TOTAL HIP & KNEE ARTHROPLASTY

Wednesday, May 2, 2012

12:30 PM – 1:30 PM

Le Saleve Conference Room

15th ESSKA Congress

PALEXPO | Geneva, Switzerland

Please join us in Geneva for the ESSKA symposium, Surgical Site Infection in Total Hip & Knee Arthroplasty.

Dr. Jean-Noël Argenson will moderate an expert panel of orthopaedic surgeons discussing the following topics:

- Changing Incidence of Arthroplasty and the Burden of Infection
- Risk Mitigation of Infection in Total Joint Arthroplasty
- Recent Advances in Post-operative Wound Management

CHAIRPERSON

Jean-Noël Argenson, MD
Marseille, France

FACULTY

Philippe Neyret, MD, PhD
Lyon, France

Bryan Springer, MD
Charlotte, NC USA

Emmanuel Thienpont, MD
Brussels, Belgium



For more information,
[www. SurgSiteInfection.com](http://www.SurgSiteInfection.com)



SCIENTIFIC PROGRAMME

THURSDAY, MAY 3, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)		ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	ICL 02: ULS: Management of rotator cuff calcific tendinopathy
8.00				
8.30				
8.45				
8.55				
9.00	Presidential lecture by Niek van Dijk			
9.10				
9.20	Social lecture by Guillaume Courtine			
9.30				
9.45	Ejnar Eriksson Lecture by John Feagin			
10.00	Coffee break		Visit industrial exhibition	Coffee break
10.15				
10.30	Star papers			
10.45				
11.00				
11.15				
11.30	Free papers: Ligament III	Free papers: Shoulder II	Free papers: Degenerative	Free papers: Patello-femoral I
11.45				
12.00	Lunch Workshops			
12.30				
12.45				
13.00				
13.30				
13.45				
13.30	Lunch Break		Lunch Break	
13.45				
14.00	Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures	Failed instability repair: Analysis of prognostic factors	EKA – Kinematics of the natural knee and targets for the replaced knee	Knee injuries in children
14.15				
14.30				
14.45				
15.00		Key note: Diagnosis and management of the glenoid bone loss		
15.10				
15.20				
15.25				
15.30	Coffee break		Visit industrial exhibition	Coffee break
15.45				
16.00	Maxi Battle: Roos vs. Engebretsen	Biology and rotator cuff repair: A new approach	EKA – Patellofemoral joint in TKA	Basic science committee: Knee joint assessment methods
16.15				
16.45	Battle: Two steps vs one step in cartilage repair			
16.55				
17.00	ESSKA – Scandinavian Sports Society	Interactive upper limb cases	EKA – Revision TKA: How to deal with infection: Prevention and treatment	Preservation of ACL remnants (biomechanics, proprioception, vascularization)
17.15				
17.30				
17.45				
17.45				
18.00	Poster Happy Hour II (in Hall 1)			
18.15				
18.30				
18.45				
19.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	ICL 01: Arthroscopy committee: Video surgical technique	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options		7.30
				8.00
				8.30
				8.45
				8.55
				9.00
				9.10
				9.20
				9.30
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
				10.30
				10.45
				11.00
				11.15
Free papers: Return to play	Free papers: Ligament IV	Free Papers: Cartilage IV	Free papers: Basic science	11.30
				11.45
Lunch Workshops				12.00
				12.30
				12.45
				13.00
				13.30
Lunch Break		Lunch Break		13.30
				13.45
PT Symposium Cartilage: Latest evidence on exercise therapy for patients with cartilage lesions	ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management			14.00
				14.15
				14.30
	ESSKA – SIGASCOT – Current options for treatment of tendinopathy			14.45
				15.00
				15.10
				15.25
				15.27
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
PT Symposium: Hamstring injuries – diagnostic criteria and rehabilitation	PRP in orthopaedic sports medicine			16.00
				16.15
				16.45
				16.55
Free papers: Pelvis/groin	National Award Winners			17.00
				17.15
				17.30
				17.45
Poster Happy Hour II (in Hall 1) Poster Happy Hour II				18.00
				18.15
				18.30
				18.45
				19.00

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A+B

07:30 - 08:55 ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)

Chair: Verdonk P. (Belgium), Benedetto K. (Austria)

07:30 - 07:42 Anatomy plus biomechanics

ICL15-4152 Mora G. (Spain)

07:42 - 07:54 Clinical examination

ICL15-4153 Menetrey J. (Switzerland)

07:54 - 08:06 Imaging plus complementary investigation

ICL15-4154 Scheffler S. (Germany)

08:06 - 08:18 Treatment of acute PCL injury

ICL15-4155 Djian P. (France)

08:18 - 08:30 Treatment of chronic PCL instability

ICL15-4156 Margheritini F. (Italy)

08:30 - 08:42 Rehabilitation plus follow-up

ICL15-4157 Årøen A. (Norway)

08:42 - 08:55 Discussion

09:00 - 09:20 Presidential lecture

On Goals, Roads and Keeping Fit!

IL13-4375 van Dijk C. (Netherlands)

09:20 - 09:40 Social lecture

Chair: Fritschy D. (Switzerland)

Social lecture

IL14-4407 Courtine G. (Switzerland)

09:40 - 10:00 Ejnar Eriksson Lecture

Chair: Müller W. (Switzerland)

Ejnar's Vision: The ESSKA – AOSSM Legacy

IL15-4016 Feagin J. (United States)

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

ROOM A

10:30 - 11:30 Star papers – competing for the Theo-van-Rens-Award

Chair: Menetrey J. (Switzerland), Zaffagnini S. (Italy)

10:30 - 10:38 Correlation of the involved compartments of massive rotator cuff tear and loss of active shoulder range of motion

AW10-382 *Collin P. (Switzerland), Lädermann A., Walch G.*

10:38 - 10:40 Discussion

10:40 - 10:48 What is the rate of subsequent surgery following ACL reconstruction? Short and mid-term follow-up from the MOON cohort

AW10-1263 *Dunn W. (United States), Spindler K., Hettrich Carolyn, Reinke Emily*

10:48 - 10:50 Discussion

10:50 - 10:58 Increased risk of ACL revision after anteromedial compared to transtibial technique for femoral drillhole placement during ACL reconstruction. Result from the Danish registry of knee ligament reconstruction

AW10-516 *Wagner Lene (Denmark), Thillemann T., Mehnert F., Pedersen Alma, Lind M.*

10:58 - 11:00 Discussion

11:00 - 11:08 Human meniscus segmental characterization: building the basis for tissue engineering

AW10-744 *Pereira H. (Portugal), Frias Ana M., Silva-Correia J., Oliveira J., Espregueira-Mendes J., Reis R.*

11:08 - 11:10 Discussion

11:10 - 11:18 A randomized comparison of traditional and accelerated approaches to post-operative rehabilitation following matrix-induced autologous chondrocyte implantation: 5 year clinical and radiological outcomes

AW10-281 *Ebert J. (Australia), Fallon M., Ackland T., Zheng M., Wood D.*

11:18 - 11:20 Discussion

11:20 - 11:28 Assessment of mortality risk in patients undergoing total knee arthroplasty after percutaneous coronary intervention

AW10-700 *von Keudell A. (United States), Thornhill T., Katz J., Losina E.*

11:28 - 11:30 Discussion

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A

11:30 - 12:00 Free papers: Ligament III

Chair: Yasuda K. (Japan), Arnold M. (Switzerland)

11:30 - 11:35 Previous partial meniscectomy increases the incidence of chondral lesions at revision ACL reconstruction

FP18-1148 *Brophy R. (United States), Wright R., David T., McCormack R., Sekiya J., Svoboda S.*

11:35 - 11:40 A prospective study of the factors associated with meniscal tears and chondral lesions in patients undergoing ACL reconstruction

FP18-312 *Bisson L. (United States), Marzo J., Kluczynski Melissa, Buyea Cathy*

11:40 - 11:45 Osteoarthritis and Quality of life 14 years following ACL reconstruction, A randomized controlled comparison between patellar tendon or semitendinosus tendon graft

FP18-1420 *Barenius B. (Sweden), Eriksson K., Shalabi A., Ponzer Sari*

11:45 - 11:50 Is the PL bundle of the ACL really so important for the stability of the knee?

FP18-68 *Hart R. (Czech Republic), Komzák M., Okál F., Safi A.*

11:50 - 12:00 Discussion

**12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193**

**14:00 - 15:30 Arthroscopy Committee: Patella dislocation:
Soft tissue and bony procedures**

Chair: Zaffagnini S. (Italy), Dejour D. (France)

14:00 - 14:10 The role of soft tissues according to bony procedures

SY27-4035 *Dejour D. (France)*

14:10 - 14:20 Acute MPFL repair

SY27-4036 *Doral M. (Turkey)*

14:20 - 14:30 How I do MPFL reconstruction

SY27-4037 *Ochi M. (Japan)*

14:30 - 14:40 How I do MPFL reconstruction

SY27-4038 *Fink C. (Austria)*

ROOM A

**continued Arthroscopy Committee: Patella dislocation:
Soft tissue and bony procedures**

14:40 - 14:50 Trochleoplasty
SY27-4039 *Biedert R. (Switzerland)*

14:50 - 15:00 Distal realignment
SY27-4040 *Servien Elvire (France)*

15:00 - 15:10 MPTL reconstruction longterm results
SY27-4041 *Zaffagnini S. (Italy)*

15:10 - 15:30 Discussion

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

16:00 - 16:45 Maxi Battle: Roos vs. Engebretsen
Chair: Reider B. (United States), Karlsson J. (Sweden)

16:00 - 16:15 Maxi Battle: Statement Roos H.
B10-4371 *Roos H. (Sweden)*

16:15 - 16:30 Maxi Battle: Statement Engebretsen L.
B10-4372 *Engebretsen L. (Norway)*

16:30 - 16:45 Discussion

16:45 - 17:00 Battle: Two steps vs one step in cartilage repair
Chair: Kon Elizaveta (Italy)

16:45 - 16:50 1 step (biomaterials) cartilage repair
B14-4369 *Steinwachs M. (Switzerland)*

16:50 - 16:55 2 steps (cells) cartilage repair
B14-4370 *Van Lauwe J. (Belgium)*

16:55 - 17:00 Discussion

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ROOM A

17:00 - 18:00 **ESSKA – Scandinavian Sports Society**

Chair: Engebretsen L. (Norway)

17:00 - 17:10 How can we prevent the injury? Recent studies?

SY33-4376 Bahr R. (Norway)

17:10 - 17:18 Can we treat the patient with training?

SY33-4377 Risberg May Arna (Norway)

17:18 - 17:28 ACL reconstruction; Single- or Double-Bundle

SY33-4378 Ahldén M. (Sweden)

17:28 - 17:38 ACL reconstruction: What is the evidence

SY33-4379 Samuelsson K. (Sweden)

17:38 - 17:46 Which scoring system to use?

SY33-4380 Grindem Hege (Norway)

17:46 - 17:56 Cartilage imagination with MRI

SY33-4381 Frobell R. (Sweden)

17:56 - 18:00 Summary: This is where we stand today

SY33-4382 Karlsson J. (Sweden), Engebretsen L. (Norway)

18:00 - 19:00 **Poster Happy Hour II**

in Hall 1

ROOM B

11:30 - 12:00 Free papers: Shoulder II

Chair: Senekovic V. (Slovenia), Kamineneni S. (United States)

11:30 - 11:35 A prospective analysis of 179 SLAP II repairs: Outcomes and factors associated with failure and revision

FP19-207 *Provencher M. (United States), McCormick F., Dewing C., Solomon D.*

11:35 - 11:40 Comparison of four imaging techniques to most accurately quantify glenoid bone loss in anterior shoulder instability

FP19-463 *Jones G. (United States), Bishop Julie, Rerko M., Donaldson C., Moon S.*

11:40 - 11:45 Infrapinatus tenodesis and posterior capsulodesis "Remplissage" to address large bone defects in arthroscopic shoulder instability repair. Three years follow-up

FP19-975 *Antonogiannakis M. (Greece), Mataragas E., Tsiampa V., Arealis G., Stamatakis G., Andriopoulou Maria*

11:45 - 11:50 Unstable shoulder: is a simultaneous arthroscopic Bankart-remplissage repair an effective procedure to reduce re-dislocation rate?

FP19-1094 *Franceschi F. (Italy), Papalia R., Edoardo F., Del Buono A., Maffulli N., Denaro V.*

11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:00 Failed instability repair: Analysis of prognostic factors

Chair: Milano G. (Italy), Charousset C. (France)

14:00 - 14:10 Analysis of prognostic models

SY24-4170 *Charousset C. (France)*

14:10 - 14:20 Glenoid and humeral bone defects

SY24-4171 *Baudi P. (Italy)*

14:20 - 14:30 Shoulder hyperlaxity

SY24-4172 *Monga P. (United Kingdom), Funk L. (United Kingdom)*

14:30 - 14:40 The at-risk athlete

SY24-4173 *Imhoff A. (Germany)*

14:40 - 14:50 Report on ESSKA-ULS multicenter study

SY24-4174 *Milano G. (Italy)*

14:50 - 15:00 Discussion

Timetables

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Posters

ROOM B

15:00 - 15:30 Key Note Lecture

Chair: Mihelic R. (Croatia)

15:00 - 15:10 Diagnosis and classification of the glenoid bone loss

KN25-4020 Mihelic R. (Croatia)

15:10 - 15:25 Complex instability problems related to bony deformities

KN25-5055 Ludvigsen T. (Norway)

15:25 - 15:30 Discussion

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

16:00 - 17:00 Biology and rotator cuff repair: A new approach

Chair: Randelli P. (Italy)

16:00 - 16:10 Epidemiology, genetics and biological factors of rotator cuff tears

SY32-4147 Longo U. (Italy)

16:10 - 16:20 Mesenchymal stem cell therapy regenerates the native bone-tendon junction after surgical repair in a degenerative rat model

SY32-4148 Nourissat G. (France)

16:20 - 16:30 Growth factors in rotator cuff repair: From lab to clinical practice

SY32-4149 Buchmann S. (Switzerland), Imhoff A. (Germany)

16:30 - 16:40 Role of PRP in rotator cuff repair

SY32-4150 Randelli P. (Italy)

16:40 - 16:50 Scaffold for rotator cuff repair

SY32-4151 Delle Rose G. (Italy)

16:50 - 17:00 Discussion

17:00 - 18:00 Interactive upper limb cases

Chair: Hardy P. (France)

Case presentations – Interactive discussion on diagnosis and treatment option

IS 10 Hardy P. (France), Lundgreen Kirsten (Norway), Taverna E. (Italy), Monga P. (United Kingdom)

18:00 - 19:00 Poster Happy Hour II

in Hall 1

ROOM C

07:30 - 08:55 ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right

Chair: Victor J. (Belgium), Neyret P. (France)

07:30 - 07:40 Jointline preservation and gap management in the deformed primary knee

ICL13-4135 *Adravanti P. (Italy)*

07:40 - 07:50 Rotational alignment of the tibial and femoral component

ICL13-4136 *Neyret P. (France)*

07:50 - 08:00 Assessment of tibiafemoral stability and management of ligament imbalance

ICL13-4137 *Briard J. (France)*

08:00 - 08:10 Assessment of patella tracking and techniques to improve patellar stability

ICL13-4138 *Baldini A. (Italy)*

08:10 - 08:20 Pearls for a consistent and reliable exposure

ICL13-4139 *Almqvist K. (Belgium)*

08:20 - 08:30 Dealing with fixed-flexion deformity

ICL13-4140 *Verdonk P. (Belgium)*

08:30 - 08:55 **Discussion**

11:30 - 12:00 Free papers: Degenerative

Chair: Adravanti P. (Italy), Ritschl P. (Austria)

11:30 - 11:35 Adverse events in medial opening wedge high tibial osteotomy. A retrospective study of 323 cases

FP21-292 *Martin R. (Canada), Litchfield R., Willits K., Lebel Marie-Eve, Giffin R.*

11:35 - 11:40 Bone Marrow-derived cell mobilization by Granulocyte colony stimulation factor (G-CSF) and osseointegration: a phase II clinical study

FP21-1249 *Marmotti A. (Italy), Castoldi F., Rossi R., Dettoni F., Blonna D., Tarella C.*

11:40 - 11:45 The clinical outcome after high tibial osteotomy does not depend on age, BMI or the extent of cartilage lesion

FP21-932 *Varoga D. (Germany), Hartz Claudia, Meyer Deike, Pries F., Wischatta R., Seekamp A.*

11:45 - 11:50 Primary total and unicompartmental knee arthroplasty: an age-dependent analysis of patient satisfaction

FP21-695 *von Keudell A. (United States), Sodha Sonal, Minas T., Fitz W., Gomoll A.*

11:50 - 12:00 **Discussion**

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ROOM C

**12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193**

14:00 - 15:30 EKA – Kinematics of the natural knee and targets for the replaced knee
Chair: Amis A. (United Kingdom), Verdonshot N. (Netherlands)

14:00 - 14:10 Constitutional varus: Should the knee always be corrected to 0 deg
mechanical alignment?
SY26-4180 *Bellemans J. (Belgium)*

14:10 - 14:20 Correlation of 1-year fluoroscopic analysis and 10-years clinical results
SY26-4181 *Argenson J. (France)*

14:20 - 14:30 Kinematics of the tibiofemoral joint and the effects of TKA
SY26-4182 *Victor J. (Belgium)*

14:30 - 14:40 Which types of TKA can restore normal kinematics?
SY26-4183 *Catani F. (Italy)*

14:40 - 14:50 The effect of tibial insert geometry on tibiofemoral kinemtaics
SY26-4184 *Wymenga A. (Netherlands)*

14:50 - 15:00 Kinematics of the patellofemoral joint and effects of TKA
SY26-4185 *Gosh M. (United Kingdom)*

15:00 - 15:30 Discussion

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

16:00 - 17:00 EKA – Patellofemoral joint in TKA
Chair: Fuchs-Winkelmann Susanne (Germany), Vandenneucker Hilde (Belgium)

16:00 - 16:07 Results of biomechanical examinations patella kinematics
SY30-4293 *Fuchs-Winkelmann Susanne (Germany)*

16:07 - 16:14 Changes induced to the patellofemoral kinematic-biomechanics
by placing a patellofemoral and total knee prosthesis
SY30-4294 *Vandenneucker Hilde (Belgium)*

ROOM C

continued EKA – Patellofemoral joint in TKA

- 16:14 - 16:21 Influence of patella position on clinical results:
A multicentric study using navigation
SY30-4295 Zaffagnini S. (Italy)
- 16:21 - 16:28 Resurfacing the patella and the importance femur rotation
SY30-4296 Deehan D. (United Kingdom)
- 16:28 - 16:35 Fluoroscopic analysis of the patellofemoral joint and TKA compared
to the natural knee
SY30-4297 Parratte S. (France)
- 16:35 - 16:42 Patellar tilting in high flexion designs
SY30-4298 Verdonk P. (Belgium)
- 16:42 - 16:49 Complications after patellar resurfacing in TKA
at a medium-long term follow-up
SY30-4299 Adravanti P. (Italy)
- 16:49 - 17:00 Discussion

17:00 - 18:00 EKA – Revision TKA: How to deal with infection: Prevention and treatment Chair: Klauser W. (Germany), Trampuz A. (Switzerland)

- 17:00 - 17:12 How to get the correct bacteria in the lab
SY34-4288 Trampuz A. (Switzerland)
- 17:12 - 17:24 Surgical and antibiotic algorithm treatment with and without spacer
SY34-4289 De Man H. (Netherlands)
- 17:24 - 17:36 Two stage revision in the treatment of infected total knee arthroplasty
SY34-4290 Schiavone Panni A. (Italy)
- 17:36 - 17:48 One stage revision in the treatment of infected TKA
SY34-4291 Klauser W. (Germany)
- 17:48 - 18:00 Discussion

18:00 - 18:45 EKA Business Meeting ME15

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LE JURA

07:30 - 08:55 ICL 02: ULS: Management of rotator cuff calcific tendinopathy

Chair: Havlas V. (Czech Republic), Karahan M. (Turkey)

07:30 - 07:33 Introduction – Where are we standing?

ICL11-4230 Havlas V. (Czech Republic)

07:33 - 07:43 Patophysiology and classification

ICL11-4231 Adamczyk G. (Poland)

07:43 - 07:53 Conservative management overview

ICL11-4232 Karahan M. (Turkey)

07:53 - 08:03 Extracorporeal shock-wave therapy

ICL11-4233 Mihelic R. (Croatia)

08:03 - 08:13 Percutaneous needle lavage technique

ICL11-4234 Karahan M. (Turkey)

08:13 - 08:23 Clinical staging, indications for surgery

ICL11-4411 Mataragas E. (Greece)

08:23 - 08:33 Surgical management, open vs. arthroscopic

ICL11-4235 Havlas V. (Czech Republic)

08:33 - 08:43 Practical treatment algorithm

ICL11-4236 Randelli P. (Italy)

08:43 - 08:55 Discussion

11:30 - 12:00 Free papers: Patello-femoral I

Chair: Karahan M. (Turkey), Veselko M. (Slovenia)

11:30 - 11:35 The effect of medial patellofemoral ligament rupture and reconstruction on patellar kinematics and patellofemoral joint contact pressures

FP20-528 Stephen Joanna (United Kingdom), Kader D., Lumpaopong Punyawan, Deehan D., Amis A.

11:35 - 11:40 Arthroscopic management of chronic patellar tendinopathy

FP20-869 Pascarella F. (Italy), Alam M., Pascarella A., Latte C., Di Salvatore M., Maffulli N.

continued		Free papers: Patello-femoral I
11:40 - 11:45	Comparison of in vivo three-dimensional patellar kinematics during robotic tibial rotation using dynamic computed tomography between patients with chronic patellofemoral pain syndrome and healthy volunteers	
FP20-1170	<i>Branch T. (United States), Cunningham T., Stinton S., Albahar A., Mills T., Jacobs C.</i>	
11:45 - 11:50	Q vector measurements: physical exam (PE) vs. MRI – are they related?	
FP20-314	<i>Arendt Elizabeth (United States), Agel Julie</i>	
11:50 - 12:00	Discussion	
12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193		
14:00 - 15:30 Knee injuries in children		
<i>Chair: Chotel F. (France), Siebold R. (Germany)</i>		
14:00 - 14:15	Meniscus surgery in child	
SY25-4266	<i>Beaufils P. (France)</i>	
14:15 - 14:30	Bony ACL avulsion in child	
SY25-4264	<i>Tecklenburg Katja (Austria)</i>	
14:30 - 14:45	ACL reconstruction in child	
SY25-4265	<i>Siebold R. (Germany)</i>	
14:45 - 15:00	Patella dislocation in child	
SY25-4267	<i>Schöttle P. (Switzerland)</i>	
15:00 - 15:15	Osteochondrosis dissecans in child	
SY25-4268	<i>Chotel F. (France)</i>	
15:15 - 15:30	Treatment of M. Osgood-Schlatter	
SY25-4269	<i>Janarv P. (Sweden)</i>	
15:30 - 16:00 Coffee break, visit industrial exhibition		

LE JURA

16:00 - 17:00 Basic science committee: Knee joint assessment methods

Chair: Amis A. (United Kingdom)

16:00 - 16:10 The instrument treadmill to assess walking ability after surgery

SY49-4175 *Wiik A. (United Kingdom)*

16:10 - 16:20 Measurement of rotational laxity

SY49-4176 *Seil R. (Luxembourg)*

16:20 - 16:30 Accelerometers to measure dynamic instability

SY49-4177 *Lopomo N. (Italy)*

16:30 - 16:40 Intraoperative optical navigation to measure TKA kinematics and laxity

SY49-4178 *Marcacci M. (Italy)*

16:40 - 16:50 Which are the best patient-reported outcomes measures (PROMs)?

SY49-4179 *Maffulli N. (United Kingdom)*

16:50 - 17:00 Discussion

**17:00 - 18:00 Preservation of ACL remnants
(biomechanics, proprioception, vascularization)**

Chair: Georgoulis A. (Greece), Colombet P. (France)

17:00 - 17:15 Introduction – Reasons for saving remnants
(mechanical, vascular and proprioception)

SY47-4357 *Georgoulis A. (Greece)*

17:15 - 17:30 Diagnostic, mechanics of lesion, different rupture pattern, imaging

SY47-4358 *Colombet P. (France)*

17:30 - 17:45 The role of the remnants for the post-op proprioception and
new surgical techniques

SY47-4359 *Ochi M. (Japan)*

17:45 - 18:00 Reconstruction of the ACL after partial ACL injury

SY47-4360 *Siebold R. (Germany)*

18:00 - 19:00 Poster Happy Hour II

in Hall 1

ROOM K

07:30 - 08:55 ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?

Chair: van Dijk C. (Netherlands), Calder J. (United Kingdom)

07:30 - 07:45 Surgical anatomy of the hindfoot endoscopy

ICL14-4060 *de Leeuw P. (Netherlands)*

07:45 - 08:00 Particular posterior impingement cases

ICL14-4061 *Ögüt T. (Turkey)*

08:00 - 08:15 Arthroscopic subtalar arthrodesis

ICL14-4062 *D'Hooghe P. (Belgium)*

08:15 - 08:30 Posterior ankle arthrodesis

ICL14-4063 *Kerkhoffs G. (Netherlands)*

08:30 - 08:45 Anatomy of the hindfoot

ICL14-4059 *Golano P. (Spain)*

08:45 - 08:55 Discussion

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

Chair: Werner Suzanne (Sweden), Bizzini M. (Switzerland)

11:30 - 11:35 Return to sport and sports participation in the medium-term following ACL reconstruction surgery

FP39-1082 *Ardern Clare (Australia), Taylor N., Feller J., Webster Kate*

11:35 - 11:40 Factors related to return to sports after ACL-reconstruction

FP39-247 *Kvist Joanna (Sweden), Österberg Annika, Gauffin H.*

11:40 - 11:45 Patient-reported knee function identified by return to sport criteria after ACL reconstruction

FP39-1205 *Logerstedt D. (United States), Di Stasi Stephanie, Lynch A., Axe M., Snyder-Mackler Lynn*

11:45 - 11:50 Factors affecting return to sports after ACL reconstruction in athletes

FP39-1474 *Iñiguez Magaly (Chile), Hallin Karin, Forssblad M., Werner Suzanne, Padilla O., Engström B.*

11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193

ROOM K

14:00 - 15:30 PT Cartilage Symposium – Latest evidence on exercise therapy for patients with cartilage lesions

Chair: Della Villa S. (Italy), Kon Elizaveta (Italy)

14:00 - 14:20 The effects of exercise therapy for patients with articular cartilage lesions – What is the latest evidence

PT13-4124 Risberg May Arna (Norway)

14:20 - 14:40 Rehabilitations program following articular cartilage repair

PT13-4125 van Assche D. (Belgium)

14:40 - 14:55 A three months exercise therapy program involved clinical meaningful changes and postponed surgery in patients with articular cartilage lesions

PT13-4126 Wondrasch Barbara (Austria)

14:55 - 15:15 Gait retraining for reducing knee joint loading for patients with cartilage lesions?

PT13-4127 Bennell Kim (Australia)

15:15 - 15:30 Discussion

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

16:00 - 17:00 PT Hamstring injuries – diagnostic criteria and rehabilitation

Chair: Bizzini M. (Switzerland), Melegati G. (Italy)

16:00 - 16:15 Diagnostic criteria – MRI and clinical tests

PT12-4310 Askling C. (Sweden)

16:15 - 16:30 An evidence based update of rehabilitation after hamstring injuries

PT12-4311 Moksnes H. (Norway)

16:30 - 16:45 Acute hamstring injuries – A prospective randomized controlled clinical trial comparing two rehabilitation protocols

PT12-4312 Askling C. (Sweden)

16:45 - 17:00 Discussion

ROOM K

17:00 - 18:00 Free papers: Pelvis/groin

Chair: Ludvigsen T. (Norway)

17:00 - 17:05 Periarticular calcifications about the acetabulum: classification and prevalence

FP17-720 Safran M. (United States), Larson C., Giveans M.

17:05 - 17:10 Arthroscopic Autologous Membrane Induced Chondrogenesis for the treatment of FAI in the hip

FP17-864 Fontana A. (Italy)

17:10 - 17:15 Arthroscopic decompression of the anterior inferior iliac spine leading to extra-articular hip impingement

FP17-258 Hetsroni I. (Israel), Larson C., Dela Torre Katrina, Zbeda R., Magennis Erin, Kelly B.

17:15 - 17:20 Prevalence of hip pathology in asymptomatic subjects. A prospective investigation using Magnetic Resonance Imaging (MRI)

FP17-1432 Register B. (United States), Philippon M., Pennock A., Briggs Karen

17:20 - 17:30 Discussion

17:30 - 17:35 The cross over sign is not a reliable diagnostic measure for the assessment of acetabular retroversion

FP17-1371 Wassilew G. (Germany), Perka C.

17:35 - 17:40 Adductor-related groin pain in athletes treated with a selective partial adductor longus release

FP17-1477 Dimitrakopoulou Alexandra (United Kingdom), Schilders E.

17:40 - 17:45 Are acetabular chondral flaps identified during hip arthroscopy worth repairing: a biochemical and cellular assessment

FP17-719 Safran M. (United States), Hariri Sanaz, Truntzer J., Smith R.

17:45 - 17:50 Sport participation level in patients with hip injuries

FP17-692 Briggs Karen (United States), Philippon M.

17:50 - 18:00 Discussion

18:00 - 19:00 Poster Happy Hour II

in Hall 1

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ROOM E

07:30 - 08:55 ICL 01: Arthroscopy committee: Video surgical technique

Chair: Siebold R. (Germany), Kartus J. (Sweden)

07:30 - 07:50 Anatomical ACL reconstruction

ICL10-4243 *Hussein M. (Slovenia)*

07:50 - 08:10 Repair of medial meniscus bucket handle tear

ICL10-4244 *Hoeher J. (Germany)*

08:10 - 08:30 Arthroscopic cartilage transplantation at patella

ICL10-4245 *Siebold R. (Germany)*

08:30 - 08:50 Anatomical MPFL reconstruction

ICL10-4246 *Faunø P. (Denmark)*

11:30 - 12:00 Free papers: Ligament IV

Chair: Koch P. (Switzerland), Servien Elvire (France)

11:30 - 11:35 The validation of simple visual parameters for objective assessment of arthroscopic skill

FP23-616 *Alvand A. (United Kingdom), Khan T., Al-Ali S., Jackson W., Price A., Rees J.*

11:35 - 11:40 The femoral footprint of the ACL and its osseous landmarks

FP23-49 *Gabriel S. (Austria), Fischmeister M., Tschabitscher M., Hirtler Lena*

11:40 - 11:45 Does ligament preservation during anterior cruciate ligament (ACL) reconstructive surgery in ACL deficient patients improve patient-reported outcomes at one year? A prospective cohort study

FP23-482 *Mohtadi N. (Canada), Chan Denise, Humphrey Rhomona, Naylor Alexandra*

11:45 - 11:50 The relationship between lower extremity strength and knee valgus load in a vertical drop jump

FP23-1171 *Nilstad Agnethe (Norway), Ruud K., Kristianslund E., Krosshaug T.*

11:50 - 12:00 Discussion

ROOM E

**12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193**

14:00 - 14:45 ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management

Chair: Pouliart Nicole (Belgium), Willems W. (Netherlands)

14:00 - 14:15 Anatomy, biomechanics and spectrum of pathology
SY22-4204 *Pouliart Nicole (Belgium)*

14:15 - 14:25 Current treatment options: Fix or cut or both – Repair and tenodesis
SY22-4205 *Willems W. (Netherlands)*

14:25 - 14:35 Current treatment options: Fix or cut or both – Tenotomy
SY22-4206 *Berghs B. (Belgium)*

14:35 - 14:45 Discussion

14:45 - 15:30 ESSKA – SIGASCOT – Current options for treatment of tendinopathy

Chair: Zorzi C. (Italy), Volpi P. (Italy)

14:45 - 14:53 Epidemiology and aetiology
SY23-4048 *Ronga M. (Italy)*

14:53 - 15:01 Conservative management
SY23-4049 *Margheritini F. (Italy)*

15:01 - 15:09 PRP procedure
SY23-4050 *Bait C. (Italy)*

15:09 - 15:17 Minimally invasive surgery
SY23-4051 *Longo U. (Italy)*

15:17 - 15:25 Surgical treatment
SY23-4052 *Madonna V. (Italy)*

15:25 - 15:30 Discussion

Timetables

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ROOM E

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

16:00 - 17:00 PRP in Orthopaedic Sports Medicine

Chair: Filardo G. (Italy), Kelberine F. (France)

16:00 - 16:08 PRP: Biological basis and different products
SY29-4087 Kelberine F. (France)

16:08 - 16:16 PRP and tendinopathies: Pros
SY29-4088 Carmont M. (United Kingdom)

16:16 - 16:24 PRP and tendinopathies: Cons
SY29-4089 De Jonge Suzanne (Netherlands)

16:24 - 16:32 PRP and ACL surgery
SY29-4090 Vogrin M. (Slovenia)

16:32 - 16:40 PRP and cartilage lesions
SY29-4091 Filardo G. (Italy)

16:40 - 16:48 PRP and muscle lesions
SY29-4092 Kelberine F. (France)

16:48 - 17:00 Discussion

ROOM E

17:00 - 18:05 National Award Winners

Chair: Randelli P. (Italy), Madry H. (Germany)

- 17:00 - 17:05 Mechanical symptoms in arthroscopy of degenerative knee: From indication to contraindication?
AW11-4435 Shivonen R. (Finland), Järvinen T.
- 17:05 - 17:10 Arthroscopic release of internal rotation contractures of the shoulder secondary to brachial plexus birth palsy
AW11-4440 Pireau Nathalie (Belgium), Barbier O., Docquier P., van Isacker T.
- 17:10 - 17:15 Tibial plateau fractures in unicompartmental knee arthroplasty
AW11-4439 De Bo T. (Belgium), Stuyts B., Verdonk P.
- 17:15 - 17:20 CT scan evaluation of the out-in femoral tunnel in ACL reconstruction with reversed arthroscopic portal
AW11-4442 Buscayret F. (France)
- 17:20 - 17:25 Matrix Metalloproteinase (MMP)-9 and Tissue Inhibitor of Metalloproteinase (TIMP)-1 can contribute to differentiation of inflammatory arthritis of the knee
AW11-4434 Fotopoulos V. (Greece), Tzinia Athina, Tzurbakis M., Kalfakakou V., Stamatina L., Georgoulis A.
- 17:25 - 17:30 One Stage Osteochondral Repair With Cartilage Fragments In A Composite Scaffold: In Vitro Human And In Vivo Rabbit And Goat Animal Model
AW11-4436 Marmotti A. (Torino), Castoldi F., Bruzzone M., Bonasia D., Rossi R., Maiello A., Mattia S., Bignardi C., Tarella C., Peretti G.
- 17:30 - 17:35 Instability of the elbow: Biomechanical evaluation of current surgical procedures for medial and lateral collateral ligament reconstruction
AW11-4437 Dargel J. (Germany)
- 17:35 - 17:40 Alterations of the subchondral bone following marrow stimulation for articular cartilage repair – data from animal models and clinical evidence
AW11-4438 Madry H. (Germany), Orth P.
- 17:40 - 17:45 MRI anatomical characterization of the Anterior Cruciate Ligament (ACL) and Intercondylar Notch
AW11-4441 Sousa A. (Portugal), Duarte F., Raposo F., Valente L., Gonçalves A., Pinto R., Gutierrez M.

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ROOM E

continued	National Award Winners
17:45 - 17:50	Biomechanical investigation of the stabilization principle of the Latarjet procedure <i>AW11-4433 Wellmann M. (Germany), de Ferrari Elena, Bobrowitsch E., Smith T., Agneskirchner J., Siebert C.</i>
17:50 - 17:55	Experimental background and clinical experiences of fresh osteochondral allograft transplantation – hungarian experiences <i>AW11-4443 Hangody L. (Hungary), Tóth F., Módis L., Vásárhelyi G.</i>
17:55 - 18:00	The effect of life-long endurance training on the mechanical properties of the human patellar tendon, in vivo <i>AW11-5040 Couppé C. (Copenhagen), Svensson R., Grosset J., Olsen M., Hansen M., Aagaard P., Kjaer M., Magnusson S.</i>
18:00 - 18:05	Reconstruction of the extensor mechanism with fresh frozen allograft after knee arthroplasty <i>AW11-4432 Valentí A. (Spain), Llombart R., Diaz de Rada P., Mora G., Valentí J.</i>
18:00 - 19:00	Poster Happy Hour II <i>in Hall 1</i>

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Timetables

Wednesday

Thursday

Friday

Saturday

Posters

LE SALÈVE

07:30 - 08:55 ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options

Chair: Poberaj B. (Slovenia), Calvo Diaz A. (Spain), Taverna E. (Italy)

07:30 - 07:36 Intra-articular variations of LHB

ICL12-4301 Kanatli U. (Turkey)

07:36 - 07:42 Do we need LHB? Function and diagnostic investigations of LHB pathology

ICL12-4302 Cartucho Pereira A. (Portugal)

07:42 - 07:48 LHB pathology with intact cuff

ICL12-4303 Calvo Diaz A. (Spain)

07:48 - 17:54 LHB pathology related to cuff tears

ICL12-4304 Poberaj B. (Slovenia)

07:54 - 08:05 Discussion

08:05 - 08:13 Partial rotator cuff tear: How to detect and treatment options

ICL12-4384 Willems W. (Netherlands)

08:13 - 08:21 Large multi-layer rotator cuff tear: How to manage

ICL12-4385 Antonogiannakis E. (Greece)

08:21 - 08:29 Subscapularis tear: How to detect and treatment options

ICL12-4386 Garavaglia G. (Switzerland)

08:29 - 08:37 Irreparable cuff tear: Treatment options

ICL12-4387 Gervasi E. (Italy)

08:37 - 08:55 Discussion

11:30 - 12:00 Free Papers: Cartilage IV	
<i>Chair: Filardo G. (Italy), Monllau J. (Spain)</i>	
11:30 - 11:35	Treatment of knee articular cartilage defects with matrix-induced autologous transplantation of adipose-derived mesenchymal stromal cells: Preliminary results in five patients
<i>FP43-1355</i>	<i>Iosifidis M. (Greece), Melas I., Kyriakidis T., Alvanos D., Kyriakidis A.</i>
11:35 - 11:40	Effect of gender in the follow-up after matrix-associated autologous chondrocyte transplantation (MACT) as assessed by morphological and biochemical magnetic resonance imaging as well as clinical scoring
<i>FP43-1145</i>	<i>Welsch G. (Germany), Werner S., Blanke M., Stelzeneder D., Marlovits S., Trattnig S.</i>
11:40 - 11:45	Repair of traumatic osteochondral rabbit knee defect using osteochondral autograft vs biosynthetic implant
<i>FP43-1138</i>	<i>Intzoglou K. (Greece), Koulalis D., Papaparaskeva Kleo, Mastrokalos D., Babis G., Papagelopoulos P.</i>
11:45 - 11:50	The use of autologous adult, allogenic juvenile, and combined juvenile-adult cartilage fragments for the repair of chondral defects. in vivo study on a rabbit model
<i>FP43-507</i>	<i>Bonasia D. (Italy), Marmotti A., Martin J., Rossi R., Blonna D., Amendola N.</i>
11:50 - 12:00	Discussion
12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193	
18:00 - 19:00 Poster Happy Hour II	
<i>in Hall 1</i>	

ROOM L

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

Chair: Doral M. (Turkey), Scheffler S. (Germany)

11:30 - 11:35 Knee cruciate ligaments: Biomechanical effects of injury using robot assisted anterior drawer test

FP22-1199 *Menakaya Chinyelu (United Kingdom), Takeda R., Rodriguez y Baena F., Amis A.*

11:35 - 11:40 Mechanical axis does not predict size or location of bone marrow lesions in knee osteoarthritis

FP22-673 *Ghodadra A. (United States), Winalski C., Miniaci A., Jones M.*

11:40 - 11:45 Single layer periosteum progenitor cell sheet enhanced tendon-bone healing than acellular collagen film for anterior cruciate ligament reconstruction

FP22-853 *Chen L. (Taiwan), Chen C.*

11:45 - 11:50 Do bacterial biofilms play a role in ACL reconstruction failure?

FP22-1485 *Jain S. (United States), Altman G., Costerton W., DeMeo P.*

11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

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SHARING EXPERTISE

A-0111025

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

SCIENTIFIC PROGRAMME

FRIDAY, MAY 4, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 07: Revision ACL cruciate reconstruction		ICL 10: EKA: Uni in medial OA – The basics	ICL 08: ULS: Massive RC tears and cuff arthropathy
8.00				
8.30				
8.45				
8.55				
9.00	Travelling Fellows presentation			
9.15				
9.30				
9.45	Highlight lecture by Jean-Noël Argenson			
9.55	Coffee break		Visit industrial exhibition	Coffee break
10.15				
10.30	Free papers: Ligament V	Free papers: Shoulder III	Free papers: EKA – Joint replacement	Free papers: Meniscus II
10.45				
11.00	ESSKA General assembly			
11.30				
12.00	Lunch Workshops			
12.30				
12.45				
13.00				
13.30				
13.45				
14.00				
14.15	Free papers: Sport specific & Injury prevention	Biological treatment of early osteoarthritis	Free Papers: EKA – Total joint replacement	Hip Arthroscopy: Basic concept current indication and future perspective
14.30				
14.45				
15.00		Key note: Radiofrequency and meniscal tissue: From resection to repair		
15.10				
15.15		QQ: Osteochondritis dissecans of the elbow: Treatment options		
15.25				
15.30	Coffee break		Visit industrial exhibition	Coffee break
15.45				
16.00	Key note: ACL laxity evaluation	Free Papers: Basic Science II	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique	ESSKA – AGA: Remodelling of the ACL-graft
16.10				
16.15	Key note: When to do an osteotomy in lateral and AP laxity?			
16.25				
16.30	Key note: Mosaicplasty – Does size matter?			
16.40	Key note: Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications			
16.45	Key note: IOC & sports medicine	Anatomical dissection / discover the elbow	EKA – TKA: Optimizing Part I	Free Papers: Ligament VIII
17.00				
17.10	Key note: Why there are less muscle injuries among female?			
17.15	Key note: Does the female heal better than man	Key note: New arthroscopic shoulder portals		
17.25	Key note: Muscle injury optimal treatment	Key Note: ULS – Nerve entrapment in shoulder		
17.30				
17.40				
17.45				
17.50				
18.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time	
ICL 11: Study design and research methodology	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	ICL 09: Multiple ligament injury management		7.30	
				8.00	
				8.30	
				8.45	
				8.55	
				9.00	
				9.15	
				9.30	
				9.45	
Coffee break			Visit industrial exhibition	Coffee break	9.55
					10.15
Free papers: Mechanobiology of the knee	Free papers: Muscle & Tendon		Nurse Course	10.30	
				10.45	
				11.00	
				11.30	
				12.00	
KSSTA Review Course	Lunch Workshops		Lunch Workshops	12.30	
				12.45	
	Lunch Break			13.00	
				13.30	
				13.45	
Free Papers: Shoulder IV	Free papers: PCL-PLC & Multiple ligament injury	Orthopaedic Sports Medicine Comprehensive Review Course – Upper Limb	Nurse Course	14.00	
Relationship recommendations for patient management				Free Papers: Ligament VII	14.15
	14.30				
	14.45				
	15.00				
				15.10	
				15.15	
				15.25	
Coffee break			Visit industrial exhibition	Coffee break	15.30
					15.45
	ATSG – Insertional Achilles Tendinopathy – consensus from diagnosis to the modern treatments	Orthopaedic Sports Medicine Comprehensive Review Course – Lower Limb	Nurse Course	16.00	
				16.10	
				16.15	
				16.25	
				16.30	
				16.40	
				16.45	
				16.55	
				17.00	
				17.10	
	EMTG - Meniscal implantation – South Korean allografts and European synthetic grafts	Orthopaedic Sports Medicine Comprehensive Review Course – Spine and Sport Medicine	Nurse Course	17.15	
				17.25	
				17.30	
				17.40	
				17.45	
				17.50	
				18.00	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A+B

07:30 - 08:55 ICL 07: Revision ACL cruciate reconstruction

Chair: Denti M. (Italy), Menetrey J. (Switzerland)

07:30 - 07:42 Causes of failure, diagnosis and planning

ICL16-4021 Hantes M. (Greece)

07:42 - 07:54 Graft selection / Tibial tunnel placement /
Femoral tunnel placement / Graft Fixation

ICL16-4022 Forssblad M. (Sweden)

07:54 - 08:06 One stage vs two stage (pros/cons)

ICL16-4023 Weiler A. (Germany)

08:06 - 08:18 Association or not peripheral plastic

ICL16-4024 Amendola N. (United States)

08:18 - 08:30 Revision in varus knee

ICL16-4025 Denti M. (Italy)

08:30 - 08:42 Post-op management

ICL16-4026 Melegati G. (Italy)

08:42 - 08:55 Discussion

09:00 - 09:30 Travelling Fellows presentation

ME12

09:30 - 10:00 Highlight lecture

Chair: Wymenga A. (Netherlands)

The new arthritic patient

IL16-4002 Argenson J. (France)

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

ROOM A

10:30 - 11:00 Free Papers: Ligament V

Chair: Petersen W. (Germany), Rahu M. (Estonia)

10:30 - 10:35 Large differences in knee loading between drop jumps and cutting maneuvers

FP32-1403 *Krosshaug T. (Norway), Kristianslund E.*

10:35 - 10:40 Relationship between mucoid degeneration of the anterior cruciate ligament and posterior tibial slope

FP32-1130 *Youm Y. (South Korea (ROK)), Cho S., Eo J., Lee K.*

10:40 - 10:45 Anteromedial portal versus transtibial drilling techniques in ACL reconstruction: What is the clinical and radiographic relevance?

FP32-1460 *Franceschi F. (Italy), Papalia R., Rizzello G., Del Buono A., Maffulli N., Denaro V.*

10:45 - 10:50 Measurement of the anterior laxity of the knee by the GNRB system and by a navigation system. A preliminary study

FP32-149 *Schoenahl J. (France), Jenny J., Arndt J.*

10:50 - 11:00 Discussion

11:00 - 12:00 ESSKA General assembly

ME13

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 Free Papers: Sport specific & Injury prevention

FP29 *Chair: Bahr R. (Norway), Irrgang J. (United States)*

14:00 - 14:05 Prevention of acute knee injuries in adolescent female football: a cluster randomised controlled trial

FP29-452 *Hägglund M. (Sweden), Atroshi I., Magnusson H., Wagner P., Waldén M.*

14:05 - 14:10 Surgical treatment of Mcl tears in acute and old multiligament injuries – comparative analysis

FP29-1009 *Hermanowicz K. (Poland), Jancewicz P., Kuzma K., Malinowski K.*

14:10 - 14:15 Injury mechanisms and safety aspects in world cup alpine skiing: A systematic video analysis of 69 cases

FP29-1116 *Bere Tone (Norway), Flørenes Tonje, Krosshaug T., Nordsetten L., Bahr R.*

ROOM A

continued	Free Papers: Sport specific & Injury prevention
14:15 - 14:20 FP29-1046	The effect of playing surface on the incidence of anterior cruciate ligament injuries in national collegiate athletic association American football players <i>Dragoo J. (United States), Braun Hillary, Durham Jennah, Chen M., Harris A.</i>
14:20 - 14:30	Discussion
14:30 - 14:35 FP29-776	Effects of hyperbaric oxygen therapy on the recovery of muscle contusion in rats <i>Cervaens Mariana (Portugal), Camacho O., Marques F., Barata P.</i>
14:35 - 14:40 FP29-442	Skiing and boarding injuries related to ability and gender <i>Ekeland A. (Norway), Rødven A.</i>
14:40 - 14:45 FP29-650	Correlation of clinical and MRI findings in professional dancers' hip: a new femoroacetabular Impingement? <i>Duthon Victoria B. (Switzerland), Charbonnier Caecilia, Kolo Christophe F., Becker C., Hoffmeyer P., Menetrey J.</i>
14:45 - 14:50 FP29-948	Effects of Platelet-Rich Plasma (PRP) combined with the NSAID Ketorolac tromethamine on human cartilage and tendon cells <i>Beitzel K. (Germany), McCarthy Mary Beth, Cote M., Russell R., Arciero R., Mazzocca A.</i>
14:50 - 15:00	Discussion
15:00 - 15:05 FP29-353	Reconstructive surgery using autologous bone-patellar tendon graft for insertional Achilles tendinopathy <i>Yasui Y. (Japan), Takao M., Miyamoto W., Miki S., Innami K., Matsushita T.</i>
15:05 - 15:10 FP29-978	A new method of registration of overuse injuries in sport <i>Clarsen B. (Norway), Bahr R., Myklebust Grethe</i>
15:10 - 15:15 FP29-1439	Pre-participation screening in elite youth tennis players <i>Boykin R. (United States), Ruiz Cotorro A., Dominguez D., Philippon M.</i>
15:15 - 15:20 FP29-1243	Knee muscle activity during squatting and standing exercises on unstable rehabilitation equipment <i>Bencke J. (Denmark), Curtis D., Zebis Mette</i>
15:20 - 15:30	Discussion
15:30 - 16:00	Coffee break, visit industrial exhibition

ROOM A

16:00 - 16:15 Key note lecture
Chair: Neyret P. (France)

KN16-4007 ACL laxity evaluation
Espregueira-Mendes J. (Portugal)

16:15 - 16:30 Key Note Lecture
Chair: Neyret P. (France)

KN28-4029 When to do an osteotomy in lateral and AP laxity?
Benedetto K. (Austria)

16:30 - 16:45 Key Note Lecture
Chair: Jelic M. (Croatia)

KN15-4006 Mosaicplasty – Does size matter?
Espregueira-Mendes J. (Portugal)

16:45 - 17:00 Key Note Lecture
Chair: Jelic M. (Croatia)

KN32-4383 Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications
Kon Elizaveta (Italy)

17:00 - 17:15 Key Note Lecture
Chair: Bahr R. (Norway)

KN14-4005 IOC & sports medicine
Engebretsen L. (Norway)

17:15 - 17:30 Key Note Lecture
Chair: Servien Elvire (France)

KN27-4028 Why there are less muscle injuries among female?
Orava S. (Finland)

17:30 - 17:45 Key note lecture
Chair: Servien Elvire (France)

KN18-4012 Does the female heal better than man?
Huard J. (United States)

17:45 - 18:00 Key note lecture
Chair: Servien Elvire (France)

KN20-4027 Muscle injury optimal treatment
Järvinen T. (Finland)

ROOM B

10:30 - 11:00 Free Papers: Shoulder III

Chair: Mihelic R. (Croatia), Monga P. (United Kingdom)

10:30 - 10:35 Biomechanical evaluation of an anatomic coracoclavicular and acromioclavicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft

FP24-575 *Safran M. (United States), Abrams G., McGarry Michelle, Freehill M., Cheung E., Lee T.*

10:35 - 10:40 Results of arthroscopic stabilization for the acute acromioclavicular joint dislocations

FP24-1336 *Kovacic L. (Slovenia), Senekovic V., Veselko M.*

10:40 - 10:45 Horizontal acromioclavicular stability after AC-joint reconstruction. A comparative biomechanical human cadaveric study

FP24-1360 *Saier T. (Germany), Venjakob A., Minzlaff P., Föhr P., Imhoff A., Vogt S.*

10:45 - 10:50 Arthroscopic procedures of the sternoclavicular joint. Possibilities and biomechanical implications

FP24-1152 *Rathcke M. (Denmark), Tranum-Jensen J., Radi D., Knudsen A., Okholm M., Krogsgaard M.*

10:50 - 11:00 Discussion

12:00 - 14:00 **Lunch break,
and industry workshops, details see pages 184-193**

14:00 - 15:00 Biological treatment of early Osteoarthritis

Chair: Kon Elizaveta (Italy), Almqvist K. (Belgium)

14:00 - 14:10 Definition and classification of early osteoarthritis of the knee

SY51-4259 *Engebreetsen L. (Norway)*

14:10 - 14:20 Biological aspects of early osteoarthritis

SY51-4260 *Madry H. (Germany)*

14:20 - 14:30 Biomechanical considerations in the pathogenesis of osteoarthritis of the knee

SY51-4261 *van Dijk C. (Netherlands)*

ROOM B

continued Biological treatment of early Osteoarthritis

14:30 - 14:40 Non-surgical management of early knee osteoarthritis
SY51-4262 *Kon Elizaveta (Italy)*

14:40 - 14:50 Surgical treatment for early osteoarthritis
SY51-4263 *Gomoll A. (United States)*

14:50 - 15:00 Discussion

15:00 - 15:15 Key Note Lecture
Chair: LaPrade R. (United States)

KN13-4004 Radiofrequency and meniscal tissue: From resection to repair
Pavlovich I. (Mexico)

15:15 - 15:30 Key Note Lecture
Chair: Pederzini L. (Italy)

KN12-4003 Osteochondritis dissecans of the elbow: Treatment options
Safran M. (United States)

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

16:00 - 17:00 Basic Science II
Chair: Doral M. (Turkey), Blankevoort L. (Netherlands)

16:00 - 16:05 Posterior horn attachments of the menisci and tibial insertion of the PCL:
Gross anatomy and functional arthroscopic findings complemented by
cryosectional anatomy
FP45-1296 *Stäubli H. (Switzerland), Rauschning W., Nemeth T., Friedrich D.*

16:05 - 16:10 Prevention of chondrocyte death from desiccation in a bovine knee model
FP45-710 *von Keudell A. (United States), Syed H., Canseco J., Gomoll A.*

16:10 - 16:15 The TT-TG-index – a new method in diagnostic of patellar instability
FP45-1239 *Hingelbaum S. (Germany), Best R., Wagner D., Bauer G., Mauch F.*

ROOM B

continued	Basic Science II
16:15 - 16:20 FP45-931	Joint preserving therapy in patients with villonodular synovitis of the hip <i>Schröder J. (Germany), Hufeland M., Schaser K., Melcher I., Haas N.</i>
16:20 - 16:30	Discussion
16:30 - 16:35 FP45-793	Treatment of gluteus medius and minimus tendon tears with a specific diagnostic and surgical technique: a retrospective study of 67 patients <i>Makridis K. (France), Lequesne M., Bard H., Wajsfisz A., Basdekis G., Djian P.</i>
16:35 - 16:40 FP45-1224	A numerical study to analyze the post-cam force in primary and revision TKAs during several daily activities <i>Pianigiani Silvia (Italy), Scheys L., Labey L., Pascale W., Innocenti B.</i>
16:40 - 16:45 FP45-954	Variability of tunnel positioning in ACL reconstruction – a cadaver study <i>Shafizadeh S. (Germany), Balke M., Bähris H., Akoto R., Banerjee M.</i>
16:45 - 16:50 FP45-178	Neuromuscular performance 2 to 8 years after ACL reconstruction: bone-patellar tendon-bone and semitendinosus/gracilis versus healthy controls <i>Engelen-van Melick Nicky (Netherlands), van Cingel R.</i>
16:50 - 17:00	Discussion
17:00 - 17:30	Symposia Anatomical dissection / discover the elbow <i>Chair: Golano P. (Spain)</i>
17:00 - 17:20 SY41-4186	Anatomy of the elbow and surgical implications <i>Golano P. (Spain), Lopez-Vidriero E. (Canada)</i>
17:20 - 17:30	Discussion
17:30 - 17:45	Key Note Lecture <i>Chair: Milano G. (Italy)</i>
KN24-4019	New arthroscopic shoulder portals <i>Calvo Diaz A. (Spain)</i>
17:45 - 18:00	Key Note Lecture <i>Chair: Kovacic L. (Slovenia)</i>
KN35-4242	Nerve entrapment in shoulder <i>Yiannakopoulos C. (Greece)</i>

ROOM C

07:30 - 08:55 ICL 10: EKA: Uni in medial OA – The basics

Chair: Argenson J. (France), Franz A. (Germany)

07:30 - 07:40 Indication and patient selection

ICL19-4141 *Deschamps G. (France)*

07:40 - 07:50 Basic technique-balancing in mobile UKR and new instruments for correct alignment and rotation

ICL19-4142 *Dodd C. (United Kingdom)*

07:50 - 08:00 Basic surgical technique in fixed bearing uni including rotation

ICL19-4143 *Hernigou P. (France)*

08:00 - 08:10 Fixed versus mobile, all poly versus metal backed

ICL19-4144 *Franz A. (Germany)*

08:10 - 08:20 Bicompartimental UKA and PFJ

ICL19-4145 *Parratte S. (France)*

08:20 - 08:30 ACL and uni

ICL19-4146 *Argenson J. (France)*

08:30 - 08:55 Discussion

10:30 - 11:00 Free Papers: EKA – Joint replacement

Chair: Becker R. (Germany), Dodd C. (United Kingdom)

10:30 - 10:35 Does the mobile bearing UKR have good fixation?

FP26-661 *Tuncer M. (United Kingdom), Nakhla A., Cobb J., Hansen U., Amis A.*

10:35 - 10:40 Factors affecting the postoperative limb alignment and clinical outcome after Oxford unicompartmental knee arthroplasty

FP26-1049 *Bae J. (South Korea (ROK)), Kim S., Lim H., Lee J., Hong J.*

10:40 - 10:45 An instrumented treadmill measuring top walking speed, stride length and weight acceptance at heel strike suggests superiority of unicompartmental over total knee arthroplasty

FP26-760 *Wiik A. (United Kingdom), Tankard Sara, Strachan R., Amis A., Cobb J.*

10:45 - 10:50 In vitro knee kinematics of unicondylar knee arthroplasty

FP26-1165 *Heyse T. (Germany), El-Zayat B., Chevalier Y., Fuchs-Winkelmann Susanne, Labey L.*

10:50 - 11:00 Discussion

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM C

12:00 - 14:00 **Lunch break,
and industry workshops, details see pages 184-193**

14:00 - 15:30 **Free Papers: EKA – Total joint replacement**

Chair: Wilton T. (United Kingdom), Christen B. (Switzerland)

14:00 - 14:05 Erythromycine-colistin cement does not reduce the infection rate in primary total knee arthroplasty

FP31-868 *Hinarejos P. (Spain), Guirro P., Leal-Blanquet J., Montserrat F., Pelfort X., Puig-Verdie L.*

14:05 - 14:10 High activity scores after total knee replacement

FP31-148 *Schoenahl J. (France), Jenny J., Louis P., Diesinger Y.*

14:10 - 14:15 Increased levels of BMP-2 in the synovial fluid in painful total knee arthroplasty

FP31-202 *Pfitzner T. (Germany), Geissler S., Duda G., Perka C.*

14:15 - 14:20 No difference in implant migration and clinical outcome between cemented versus press-fit placed stems in revision total knee replacement: a randomized controlled trial

FP31-521 *Heesterbeek Petra (Netherlands), Wymenga A., van Hellemond G.*

14:20 - 14:30 **Discussion**

14:30 - 14:35 The effect of age and body mass index, an analysis of 10104 cases with minimum 2 years follow up

FP31-1469 *Parwez T. (United Kingdom), Murray J., Hassaballa M., Robinson J., Porteous A.*

14:35 - 14:40 Pain management protocols and perioperative pain and health-related quality of life after total knee arthroplasty: A multicenter study

FP31-1029 *Chang C. (South Korea (ROK)), Cho W.*

14:40 - 14:45 Two-year functional and clinical outcome of the legion revision system

FP31-1464 *Hassaballa M. (United Kingdom), Murray J., Robinson J., Porteous A.*

14:45 - 14:50 High success rate of routine one-stage exchange for infected total knee replacement

FP31-146 *Schoenahl J. (France), Jenny J., Barbe B., Gaudias J., Boéri C.*

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

ROOM C

	continued	Free Papers: EKA – Total joint replacement
15:00 - 15:05	Clinical and radiographic outcome after minimally invasive vs. standard total knee arthroplasty – a prospective controlled trial <i>FP31-1017</i>	<i>Liebensteiner M. (Austria), Krismer M., Kapfinger P., Behensky H., Mayr E.</i>
15:05 - 15:10	Early failure of a contemporary TKR design <i>FP31-1452</i>	<i>Leach W. (United Kingdom), Rooney B., Mckenna Rosaleen</i>
15:10 - 15:15	Total knee replacement by means of custom-fit cutting blocks: Comparison between two different systems <i>FP31-1191</i>	<i>Ensinì A. (Italy), Belvedere C., Cenni F., Timoncini A., Giannini S., Leardini A.</i>
15:15 - 15:20	Crosslinked polyethylene does not reduce the poly wear in vivo in patients with a total knee arthroplasty <i>FP31-774</i>	<i>Hinarejos P. (Spain), Piñol I., Torres A., Pelfort X., Prats Eva, Puig-Verdie L.</i>
15:20 - 15:30	Discussion	
15:30 - 16:00	Coffee break, visit industrial exhibition	
16:00 - 17:00	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique <i>Chair: van Hellemond G. (Netherlands), Benazzo F. (Italy)</i>	
16:00 - 16:08	The relation with various diagnoses and complications with outcome <i>SY38-4207</i>	<i>van Hellemond G. (Netherlands)</i>
16:08 - 16:16	Diagnosis and outcome in allergy and arthrofibrosis <i>SY38-4208</i>	<i>Fuchs-Winkelmann Susanne (Germany)</i>
16:16 - 16:24	Diagnosis and outcome of aseptic loosening <i>SY38-4209</i>	<i>Baldini A. (Italy)</i>
16:24 - 16:32	Diagnosis and outcome of malrotation <i>SY38-4210</i>	<i>Hofmann S. (Austria)</i>
16:32 - 16:40	Treatment and outcome of extensor mechanism problems <i>SY38-4211</i>	<i>Porteous A. (United Kingdom)</i>
16:40 - 17:00	Discussion	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM C

17:00 - 18:00 EKA – TKA: Optimizing Part I

Chair: Bellemans J. (Belgium), Marcacci M. (Italy)

17:00 - 17:08 The influence of rotational alignment on the peri-articular soft tissues

SY42-4212 *Kessler O. (Switzerland)*

17:08 - 17:16 Optimizing rotational alignment of the tibia

SY42-4213 *Beaufils P. (France)*

17:16 - 17:24 Optimizing rotational alignment of the femur

SY42-4214 *Becker R. (Germany)*

17:24 - 17:32 TKA implantation according to the functional flexion axis

SY42-4215 *Marcacci M. (Italy)*

17:32 - 17:40 The principle of kinematic alignment

SY42-4216 *Howell S. (United States)*

17:40 - 18:00 **Discussion**

- 07:30 - 08:55 ICL 08: ULS: Massive RC tears and cuff arthropathy**
Chair: Brzoska R. (Poland), Cartucho Pereira A. (Portugal)
- 07:30 - 07:33 Introduction – Massive RC criteria
 ICL17-4192 *Cartucho Pereira A. (Portugal)*
- 07:33 - 07:39 Biomechanical studies with spinnacher technique
 ICL17-4193 *Gleyze P. (France)*
- 07:39 - 07:45 The importance of the biology in RCT treatment
 ICL17-4194 *Van Raebroecckx A. (Belgium)*
- 07:45 - 07:51 Suture bridge for massive RCT
 ICL17-4195 *Toussaint B. (France)*
- 07:51 - 07:57 Can double row technique be applied in massive RC tears?
 ICL17-4196 *Brzoska R. (Poland)*
- 07:57 - 08:03 Margin convergence in massive tears – The shoestring bridge
 ICL17-4197 *van der List M. (Netherlands)*
- 08:03 - 08:09 Use of the subacromial baloon at massive RCT
 ICL17-4198 *Senekovic V. (Slovenia)*
- 08:09 - 08:15 Arthroscopic assisted lat. dorsi transfer in massive RCT
 ICL17-4199 *Jermolajevs V. (Lithuania)*
- 08:15 - 08:21 The anatomical reconstruction of the rotator cuff
 ICL17-5041 *Battistella F. (Italy)*
- 08:21 - 08:27 Multicentric study presentation – A. Cartucho, A. van Raebroecckx,
 S. Kamineni, V. Senekovic, R. Brzoska, B. Toussaint, M. Mikek,
 F. Battistella, M. van der List
 ICL17-4200 *Brzoska R. (Poland), Cartucho Pereira A. (Portugal)*
- 08:27 - 08:32 Discussion**
- 08:32 - 08:38 Methods of conservative treatment and limits of acromioplasty
 ICL17-4201 *Korolev A. (Russian Federation)*
- 08:38 - 08:44 Reverse shoulder arthroplasty – Limits
 ICL17-4202 *Valenti P. (France)*
- 08:44 - 08:50 Instability after reverse TSR for massive RCT
 ICL17-4203 *Kamineni S. (United States)*
- 08:50 - 08:55 Discussion**



10:30 - 11:00 Free Papers: Meniscus II

Chair: Forssblad M. (Sweden), Hantes M. (Greece)

12:00 - 12:05 Comparison of the displacement pre- and post-surgery of 24 polyurethane meniscal implants; is there a difference in displacement and is there any correlation with the thickness of the residual meniscal rim?

FP25-1361

Verdonk R. (Belgium), Verdonk P., de Coninck Tineke, Huysse W.

12:05 - 12:10 Arthroscopic single tibial tunnel meniscal allograft transplantation without bone plugs. A 3-year minimum followup study.

FP25-654

Marcheggiani Muccioli G. (Italy), Nitri M., Grassi A., Bonanzinga T., Zaffagnini S., Marcacci M.

10:30 - 10:35 Cyclic loading comparison of all-inside device and inside-out sutures for radial meniscus lesion repair: an in vitro porcine model study

FP25-412

Lee Yee Han D. (United States), Nyland J., Burden R., Caborn D.

10:35 - 10:40 Validating a global rating scale to monitor resident learning curves during complex arthroscopic tasks

FP25-637

Alvand A. (United Kingdom), Jackson W., Khan T., Gill H., Price A., Rees J.

10:40 - 10:50 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 Hip Arthroscopy: Basic concept current indication and future perspective

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

14:00 - 14:09 Arthroscopic anatomy and portal placement

SY36-4105

Dienst M. (Germany)

14:09 - 14:18 FAI: Concept, pathology and treatment options

SY36-4106

Dora C. (Switzerland)

14:18 - 14:27 Labral Management: Debridment, repair or reconstruction

SY36-4107

Philippou M. (United States)

14:27 - 14:36 Chondral Lesions: What can I do?

SY36-4108

Sadri H. (Switzerland)

14:36 - 14:45 The internal snapping hip

SY36-4109

Bonin N. (France)

continued Hip Arthroscopy: Basic concept current indication and future perspective

14:45 - 14:54 External snapping hip and abductor pathology
SY36-4110 *Randelli F. (Italy)*

14:54 - 15:03 Ischiofemoral impingement
SY36-4112 *Safran M. (United States)*

15:03 - 15:12 Sciatic nerve decompression
SY36-4113 *Hal M. (United States)*

15:12 - 15:21 Ligament teres pathology
SY36-4111 *N. N.*

15:21 - 15:30 Conclusion – tricks and pearls to bring home
SY36-4114 *Bonin N. (France), Sadri H. (Switzerland)*

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

16:00 - 17:00 ESSKA – AGA: Remodelling of the ACL-graft
Chair: Mayr H. (Germany), Imhoff A. (Germany)

16:00 - 16:08 Graft-dependent differences in remodeling of ACL-grafts in sheep
SY39-4042 *Mayr H. (Germany)*

16:08 - 16:16 ACL-graft – remodeling of the insertion area
SY39-4043 *Petersen W. (Germany)*

16:16 - 16:24 Tissue engineering and remodeling of the anterior cruciate ligament
SY39-4044 *Imhoff A. (Germany)*

16:24 - 16:32 ACL-graft remodeling in children – analysis after 7 years
SY39-4045 *Becker R. (Germany)*

16:32 - 16:40 Influence of perfusion and mechanical stimulation of MSC's for ACL-reconstruction
SY39-4046 *Frosch K. (Germany)*

16:40 - 16:48 Degradation of bioabsorbable fixation materials during remodeling of ACL-grafts
SY39-4047 *Fink C. (Austria)*

16:48 - 17:00 Discussion



17:00 - 18:00	Free Papers: Ligament VIII <i>Chair: Colombet P. (France), N. N.</i>
17:00 - 17:05	Measurement device for MRI assessment of translation and rotation in ACL deficient knee: Clinical validation <i>FP41-1248 Pereira H. (Portugal), Sevivas N., Passos Cláudia, Monteiro A., Vasconcelos J., Espregueira-Mendes J., Oliveira J., Reis R.</i>
17:05 - 17:10	International knee documentation committee subjective score correlate with tibial rotation kinematics during dynamic pivoting activities after anterior cruciate ligament reconstruction. An in vivo motion analysis study <i>FP41-1449 Zampeli Franceska (Greece), Giotis D., Tsiaras V., Pappas E., Georgoulis A.</i>
17:10 - 17:15	Standardized pivot shift test improves measurement accuracy: a multicenter trial <i>FP41-512 Hoshino Y. (United States), Musahl V., Ahldén M., Araujo P., Kuroda R., Kurosaka M.</i>
17:15 - 17:20	Does graft fixation sequence in double-bundle anterior cruciate ligament reconstruction effect the kinematics of the knee? <i>FP41-580 Shi D. (China), Linde-Rosen Monica, Zhou J., Yapici C., Smolinski P., Fu F.</i>
17:20 - 17:30	Discussion
17:30 - 17:35	Pre-operative 3D CT scan analysis can predict single or two-stage revision anatomic ACL reconstruction <i>FP41-1080 Getgood A. (United Kingdom), Dhillon M., Thompson P., Spalding T.</i>
17:35 - 17:40	Three-Dimensional Kinetic and Kinematic Analysis of Knee Rotational stability in ACL-deficient patients. <i>FP41-1166 Bagger Bohn Marie (Denmark), Petersen Anne Mette, Nielsen D., Sørensen H., Søballe K., Lind M.</i>
17:40 - 17:45	Effects of tibial tunnel position on knee stability and loss of extension after anatomical anterior cruciate ligament reconstruction <i>FP41-54 Hatayama K. (Japan), Terauchi M., Saito K., Yanagisawa S., Takagishi K.</i>
17:45 - 17:50	ACL reconstruction in arthritic knee. A minimum 10 year follow-up <i>FP41-946 Lukasik P. (Poland), Widuchowski W., Widuchowski J., Faltus R., Kwiatkowski G., Mroczka A.</i>
17:50 - 18:00	Discussion

ROOM K

07:30 - 08:55 ICL 11: Study design and research methodology
Chair: Årøen A. (Norway), Løken S. (Norway)

07:30 - 07:40 Introduction: Why do high impact journals seldom publish sports medicine studies?
 ICL20-4096 *Løken S. (Norway)*

07:40 - 07:55 Clinical studies based on outcome scores – Prestudy power calculations
 ICL20-4097 *Sivertsen E. (Norway)*

07:55 - 08:10 Pitfalls and strengths in registry studies
 ICL20-4098 *Granán L. (Norway)*

08:10 - 08:25 Metanalysis in sport medicine – How to perform a metaanalysis and how to write the article based on metaanalysis
 ICL20-4099 *Oiestad Britt Elin (Norway)*

08:25 - 08:37 Inclusion of patients in cartilage repair studies and the ACL studies – Do we study a subgroup of patients?
 ICL20-4100 *Årøen A. (Norway)*

08:37 - 08:55 Discussion

10:30 - 11:00 Free Papers: Mechanobiology of the knee
Chair: Almqvist K. (Belgium), Monllau J. (Spain)

10:30 - 10:35 Robotic analysis of three-dimensional tibiofemoral joint laxity in patients that have undergone tibial tubercle transfer
 FP27-1168 *Arendt Elizabeth (United States), Branch T., Cunningham T., Jacobs C.*

10:35 - 10:40 Clinical grading of the pivot shift test correlates best with acceleration
 FP27-1026 *Ahldén M. (Sweden), Araujo P., Hoshino Y., Musahl V., Nagamune K., Karlsson J.*

10:40 - 10:45 The effect of local anesthetic and corticosteroid combinations on chondrocyte viability
 FP27-116 *Braun Hillary (United States), Wilcox-Fogel N., Kim Hyeon Joo, Pouliot M., Sox-Harris A., Dragoo J.*

10:45 - 10:50 Pilot clinical study on a nanostructured synthetic biomimetic scaffold for the treatment of osteochondral defects: outcomes at 4 years
 FP27-581 *Kon Elizaveta (Italy), Patella S., Filardo G., Di Martino A., Zaffagnini S., Marcacci M.*

10:50 - 11:00 Discussion

12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193

12:30 - 13:45 KSSTA Review Course
 R13 *Chair: Karlsson J. (Sweden)*

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM K

14:00 - 14:30 Free Papers: Shoulder IV

Chair: Arrigoni P. (Italy), Calvo Diaz A. (Spain)

14:00 - 14:05 Suture anchor techniques as an appropriate alternative to interference screw techniques for all arthroscopically performable suprapectoral LHB tenodesis

FP44-747 Patzer T. (Germany), Rundic J., Bobrowitsch E., Hurschler C., Kircher J., Schofer M.

14:05 - 14:10 Clinical outcome of frozen shoulder after additional posterior capsular release compared to anteroinferior capsular release: retrospective short-term comparison study

FP44-1161 Chang J. (South Korea (ROK)), Park Young Sik

14:10 - 14:15 Biomechanical analysis of massive rotator cuff tear repairs: Extended linked repairs and augmented repairs

FP44-131 Van der Meijden O. (United States), Wijdicks C., Gaskill T., Jansson K., Millett P.

14:15 - 14:20 The effect of microfractures of the greater tuberosity in arthroscopic rotator cuff repair. A randomized clinical trial

FP44-1297 Saccomanno Maristella (Italy), Deriu Laura, Careri Silvia, Donati F., Fabbriani C., Milano G.

14:20 - 14:30 Discussion

14:30 - 15:30 Relationship recommendations for patient management

Chair: Gleyze P. (France), Menetrey J. (Switzerland)

14:30 - 14:40 A comparative analysis of pre op patient information with different methodologies and supports

SY28-4444 Thomazeau H. (France)

14:40 - 14:50 Impact of time and working conditions for patient management in the office, practical recommendations based on a prospective multicentric and comparative study of 453 cases

SY28-4408 Gleyze P. (France)

14:50 - 15:15 Negotiations in complex situation, interactive conference

SY28-4409 Combalbert L. (France)

15:15 - 15:30 Ethic and risk management in daily practice

SY28-4410 Gleyze P. (France)

17:00 - 18:00 ESSKA Shoulder Section – Open Meeting

ME16

ROOM E

07:30 - 08:55 ICL 12: EWAS:
Wrist arthroscopy in traumatic and post-traumatic injuries
Chair: Messina Jane (Italy), Luchetti R. (Italy)

07:30 - 07:38 Arthroscopic reduction of in intra-articular distal radius fracture
ICL21-4247 Battistella F. (Italy)

07:38 - 07:46 Wrist arthroscopy in distal radius fractures with associated lesions
ICL21-4248 Adamczyk G. (Poland)

07:46 - 07:54 Wrist arthroscopy in scaphoid fresh fractures
ICL21-4388 Rizzo C. (France), Mathoulin C. (France)

07:54 - 08:02 Wrist arthroscopy in acute TFCC tears
ICL21-4249 Baur Eva-Maria (Austria)

08:02 - 08:10 Wrist arthroscopy in acute scapholunate tears
ICL21-4250 Dauphin N. (Luxembourg)

08:10 - 08:18 Wrist arthroscopy in Bennett Fractures
ICL21-4251 Luchetti R. (Italy)

08:18 - 08:26 Treatment of scaphoid fractures associated to SL ligament lesion
ICL21-4252 Messina Jane (Italy), Luchetti R. (Italy)

08:26 - 08:34 Innovative procedures in wrist arthroscopy
ICL21-4253 Atzei Andrea (Italy)

08:34 - 08:55 Discussion

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

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM E

10:30 - 11:00 Free Papers: Muscle & Tendon

Chair: Orava S. (Finland), Maffulli N. (United Kingdom)

10:30 - 10:35 Relationship between neovascularization and clinical severity in Achilles tendinopathy: A prospective analysis of 556 paired measurements

FP28-866 *Tol J. (Qatar), De Jonge Suzan, Weir A., de Vos R., Verhaar J.*

10:35 - 10:40 Systemic performance-enhancing effects of Platelet-Rich Plasma (PRP) injection

FP28-556 *Wasterlain Amy (United States), Braun Hillary, Kim Hyeon Joo, Dragoo J.*

10:40 - 10:45 Ultrasound-guided sclerosis of neovessels in patellar tendinopathy – a prospective study of 101 patients

FP28-861 *Hoksrud Aasne Fenne (Norway), Torgalsen T., Harstad H., Haugen S., Risberg May Arna, Bahr R.*

10:45 - 10:50 Ultrasound changes and prognosis in young elite volleyball players with jumper's knee

FP28-596 *Visnes H. (Norway), Tegnander A., Bahr R.*

10:50 - 11:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:00 Free Papers: PCL-PLC & Multiple ligament injury

Chair: Djian P. (France), Scheffler S. (Germany)

14:00 - 14:05 Biomechanical comparison between 4-strand posterolateral corner reconstruction and modified Larson's procedures under cyclic loading

FP30-1465 *Miyatake S. (Japan), Kondo E., Tsai T., Jakobsen B., Yasuda K., Amis A.*

14:05 - 14:10 Posteromedial portal in knee arthroscopy. A new and safe method to do it

FP30-1484 *Granata Jr G. (Brazil), Stroher A., Granata G., Franciozi C., Carneiro Filho M.*

14:10 - 14:15 Arthroscopically pertinent anatomy of the anterolateral and posteromedial bundles of the posterior cruciate ligament

FP30-419 *LaPrade R. (United States), Anderson C., Westcott D., Ziegler C., Wijdicks C., Engebretsen L.*

14:15 - 14:20 Morphological variations of the PCL in the midline sagittal plane: Cryosectional anatomy complemented by Arthro MR Imaging studies

FP30-1303 *Stäubli H. (Switzerland), Rauschning W.*

ROOM E

continued		Free Papers: PCL-PLC & Multiple ligament injury
14:20 - 14:30	Discussion	
14:30 - 14:35	The practical reference points for the footprint of the PCL to the tibia <i>FP30-831</i>	<i>Inoue M. (Japan), Yasojima N., Tsukuda K., Yasuda K.</i>
14:35 - 14:40	Neurovascular anatomic relationships to arthroscopic posterior and trans-septal portals in different knee positions <i>FP30-789</i>	<i>Makridis K. (France), Wajsfisz A., Agrawal N., Basdekis G., Djian P.</i>
14:40 - 14:45	Posterior cruciate ligament's tibial insertions: Anatomical study and morphometric analyses <i>FP30-257</i>	<i>Gali J. (Brazil), Oliveira H., Lisboa B., Dias B., Casimiro Fabiana, Caetano E.</i>
14:45 - 14:50	Arthroscopic PCL reconstruction using transseptal portal: mixed graft versus Achilles allograft <i>FP30-1044</i>	<i>Yang J. (Korea, Democratic People's Republic of (North Korea)), Wang K., Nha K.</i>
14:50 - 15:00	Discussion	
15:00 - 15:30		Free Papers: Ligament VII
<i>Chair: Georgoulis A. (Greece), Mayr H. (Germany)</i>		
15:00 - 15:05	Prospective correlation between serum relaxin concentration and ACL tears in elite female athletes <i>FP40-34</i>	<i>Dragoo J. (United States), Castillo Tiffany, Braun Hillary, Ridley Bethany, Kennedy Ashleigh, Golish S.</i>
15:05 - 15:10	"Practice makes perfect" in ACL reconstruction <i>FP40-465</i>	<i>Oesterhelt A. (United States), Marx R., Do Huong, Nguyen J., Lyman S.</i>
15:10 - 15:15	Anterior cruciate ligament injuries in professional football in Europe – the UEFA injury study <i>FP40-592</i>	<i>Waldén M. (Sweden), Hägglund M., Ekstrand J.</i>
15:15 - 15:20	Quantitative topographic anatomy of the anterior cruciate ligament femoral footprint – do the ridges exist? <i>FP40-1071</i>	<i>Norman D. (United Kingdom), Thornby J., Bird J., Getgood A., Williams M., Spalding T.</i>
15:20 - 15:30	Discussion	
15:30 - 16:00		Coffee break, visit industrial exhibition

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM E

**16:00 - 17:00 ATSG – Insertional Achilles Tendinopathy –
consensus from diagnosis to the modern treatments**
Chair: van Dijk C. (Netherlands), Calder J. (United Kingdom)

16:00 - 16:10 Terminology, anatomy and aetiology
SY37-4361 *Wiegerinck J. (Netherlands)*

16:10 - 16:20 Conservative management (including ESWT)
SY37-4362 *Longo U. (Italy)*

16:20 - 16:30 Surgery (open and endoscopic)
SY37-4363 *van Sterkenburg Maayke (Netherlands)*

16:30 - 16:40 Guidelines on rehabilitation and activity resumption
SY37-4364 *Donley B. (United States)*

16:40 - 17:00 Discussion

**17:00 - 18:00 EMTG – Meniscal implantation –
South Korean allografts and European synthetic grafts**
Chair: Verdonk R. (Belgium), Aagaard H. (Denmark)

17:00 - 17:15 The Korean Experience 1 – Indications and surgical technique of MAT
SY43-4101 *Yoon K. (South Korea (ROK))*

17:15 - 17:30 The Korean Experience 2 – Results of MAT with bone fixation
SY43-4102 *Bin S. (South Korea (ROK))*

17:30 - 17:40 Synthetic implants – Actifit
SY43-4103 *Verdonk R. (Belgium)*

17:40 - 17:50 Synthetic implants – CMI
SY43-4104 *Zaffagnini S. (Italy)*

17:50 - 18:00 Discussion

07:30 - 08:55 ICL 09: Multiple ligament injury management

Chair: Marx R. (United States), Scheffler S. (Germany)

07:30 - 07:45 Overview of multiligament knee injuries

ICL18-4334 Whelan D. (Canada)

07:45 - 08:00 Managing medial collateral ligament injuries

ICL18-4335 Hetsroni I. (Israel)

08:00 - 08:15 Managing posterior cruciate ligament (PCL) injuries

ICL18-4336 Engebretsen L. (Norway)

08:15 - 08:30 Managing lateral collateral ligament and posterolateral corner injuries

ICL18-4337 Marx R. (United States)

08:30 - 08:55 Discussion

**12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193**

**14:00 - 15:30 Orthopaedic Sports Medicine Comprehensive Review Course –
Upper Limb**

Chair: Randelli P. (Italy)

14:00 - 14:10 Anterior shoulder instability

R10-4389 Cartucho P. (Portugal)

14:10 - 14:20 Posterior and multidirectional shoulder instability

R10-4390 Toussaint B. (France)

14:20 - 14:30 A/C joint acute and chronic shoulder instability

R10-4391 Senekovic V. (Slovenia)

14:30 - 14:40 Rotator Cuff tendinopathies and tears

R10-4392 Randelli P. (Italy)

14:40 - 14:50 Dislocations and instability of the elbow

R10-4393 Arrigoni P. (Italy)

14:50 - 15:00 Tennis elbow

R10-4394 Arrigoni P. (Italy)

15:00 - 15:10 Sports related pathologies of the wrist and hand

R10-4395 Arrigoni P. (Italy)

15:10 - 15:20 Sports related fractures of the upper limb

R10-4396 Senekovic V. (Slovenia)

15:20 - 15:30 Discussion

LE SALÈVE

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

16:00 - 17:30 Orthopaedic Sports Medicine Comprehensive Review Course –
Lower Limb
Chair: Verdonk P. (Belgium)

16:00 - 16:10 Knee instability ACL
R11-4397 Siebold R. (Germany)

16:10 - 16:20 Knee instability PCL, collaterals, multiligaments and patellofemoral
R11-4398 Scheffler S. (Germany)

16:20 - 16:30 Meniscal pathology
R11-4399 Verdonk P. (Belgium)

16:30 - 16:40 Cartilage injuries
R11-4400 Kon Elizaveta (Italy)

16:40 - 16:50 Femoro acetabular impingement and hip pathologies in sports
R11-4401 Dienst M. (Germany)

16:50 - 17:00 Athlete's ankle
R11-4402 Kerkhoffs G. (Netherlands)

17:00 - 17:10 Tendon disorders and injuries
R11-4403 Maffulli N. (United Kingdom)

17:10 - 17:20 Sports related fractures and dislocations of the lower limb
R11-4404 Benedetto K. (Austria)

17:20 - 17:30 Discussion

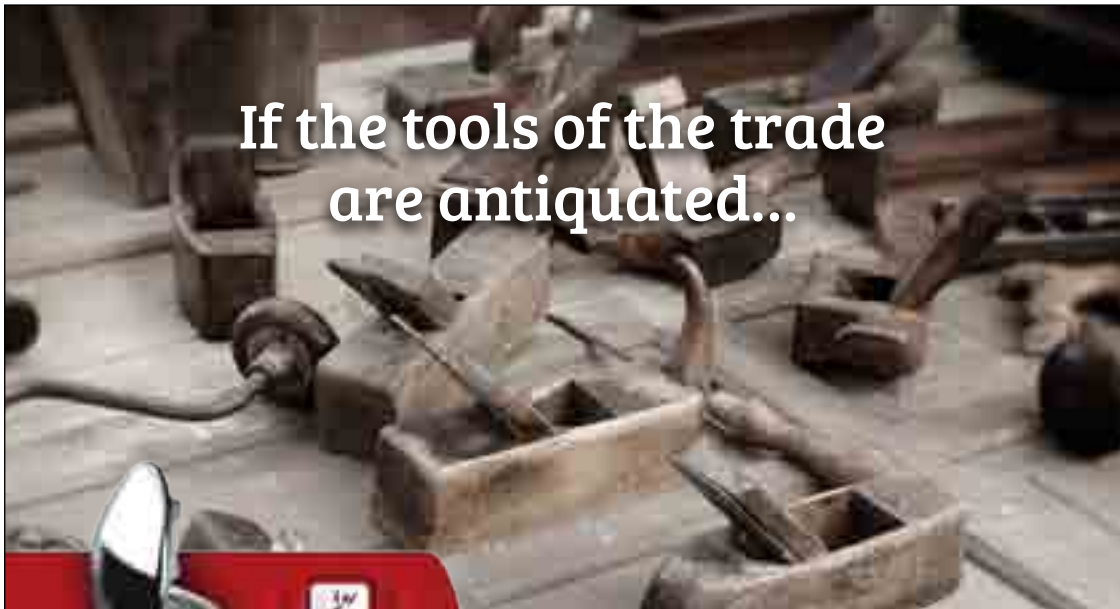
17:30 - 18:00 Orthopaedic Sports Medicine Comprehensive Review Course –
Spine and Sport Medicine
Chair: Denti M. (Italy)

17:30 - 17:40 Spine and sports related injuries
R12-4405 Faundez A. (Switzerland)

17:40 - 17:50 Muscular Injuries in Football
R12-4406 Biosca P. (United Kingdom)

17:50 - 18:00 Discussion

If the tools of the trade
are antiquated...



...maybe it's time for a new toolbox.

To find out more about SIGMA® HP Partial Knee
come and visit Stand 04 in Exhibition Hall 1

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Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM L

10:30 - 12:00 Nurse Course
Chair: Courage O. (France)

10:30 - 10:55 Achillis tendon
NU10-4344 Muellner T. (Austria)

10:55 - 11:25 Arthroscopic surgery, operating room set up and special instruments
NU10-4346 Casalini Elisabetta (Italy)

11:25 - 12:00 Shoulder arthroscopy
NU10-4340 Courage O. (France)

**12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193**

14:00 - 15:30 Nurse Course
Chair: Robin Christine (Switzerland)

14:00 - 14:30 Anatomic ACL reconstruction
NU11-4341 Siebold R. (Germany)

14:30 - 15:00 EORNA-The way forward
NU11-4345 Higgins Caroline (Ireland)

15:00 - 15:30 Cartilage defect of the knee
NU11-4342 Monllau J. (Spain)

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

ROOM L

16:00 - 17:00 Nurse Course
Chair: Higgins Caroline (Ireland)

16:00 - 16:30 Hip arthroscopy
NU12-4343 Sadri H. (Switzerland)

16:30 - 17:00 Patient management in same day surgery
NU12-4347 Robin Christine (Switzerland)

17:00 - 18:00 Nurse Course
Chair: Hulet C. (France)

17:00 - 17:30 TKA indications and surgical principles
NU13-4338 Fritschy D. (Switzerland)

17:30 - 18:00 Meniscus preservation
NU13-4339 Seil R. (Luxembourg)

The English-French interpretation during the nurse course is kindly supported by:





OFFICE PT 1

Please note:

The participation is only possible for registered congress participants.

Each workshop is a stand-alone unit. Workshops will be repeated with identical contents!

Participation fee per workshop: 20,00 EUR

**09:00 - 09:50 PT Workshop 1:
ACL rehabilitation for non-operatively treated individuals**

PT16 Eitzen Ingrid (Norway), Grindem Hege (Norway)

**10:00 - 10:50 PT Workshop 3:
ACL rehabilitation for non-operatively treated individuals**

PT18 Eitzen Ingrid (Norway), Grindem Hege (Norway)

**11:00 - 11:50 PT Workshop 5:
Prevention and Rehabilitation after hamstring injuries**

PT20 Askling C. (Sweden), Moksnes H. (Norway)

**12:00 - 12:50 PT Workshop 7:
Prevention and Rehabilitation after hamstring injuries**

PT22 Askling C. (Sweden), Moksnes H. (Norway)

Please note:

Office PT 1 and PT 2 are located on the same level as Rooms A, B, C and are accessible from the same foyer.

OFFICE PT 2

09:00 - 09:50 **PT Workshop 2:**
Rehabilitation after shoulder injuries for overhead athletes

PT17 *Cools Ann M. (Belgium), Maenhout Annelies (Belgium)*

10:00 - 10:50 **PT Workshop 4:**
Rehabilitation after shoulder injuries for overhead athletes

PT19 *Cools Ann M. (Belgium), Maenhout Annelies (Belgium)*

11:00 - 11:50 **PT Workshop 6:**
Exercise therapy programme for patients with knee OA

PT21 *Briem Kristin (Iceland), Stensrud Silje (Norway)*

12:00 - 12:50 **PT Workshop 8:**
Exercise therapy programme for patients with knee OA

PT23 *Briem Kristin (Iceland), Stensrud Silje (Norway)*

UOTS

Bus shuttle provided from Palexpo to UOTS (free of charge) at 9:00 h.
Return bus at 11:15 h.

UOTS, Cressy Santé, Route de Loëx 99, 1232 Confignon

09:30 - 11:00 **PT Workshop 9:**
Fatigue index – Metabolic and functional performance tests for the athletes

PT24 *Danelon F. (Italy), Thomeé R. (Sweden)*

The PT workshops are kindly supported by



SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL		ICL 16: EKA: Osteotomy – The basics	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology
7.45				
8.00				
8.15				
8.30				
8.45				
8.55				
9.00	Awards presentation			
9.15				
9.30	Highlight lecture by Johnny Huard			
9.45				
9.55	Presentation ESSKA Amsterdam 2014			
10.00				
10.10	Key note: The joints and the surgeons, a multifactorial analysis for a complex relationship			
10.20				
10.30	Coffee break		Visit industrial exhibition	Coffee break
10.45				
11.00	Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman	Key note: Disorders clavicular joint	EKA – Lateral OA of the knee uni or osteotomy?	Key note: Root MM Injury
11.10				
11.15		Key note: Scapulothoracic dyskinesia		
11.25				QQ: Mensical repair: Non absorbable or absorbable suture
11.30	Free papers: Ligament VI	Crash and nightmare, how things can go wrong in shoulder arthroscopy	Key note: Does limb torsion matter?	Free papers: Cartilage II
11.40				
11.45				
11.55				
12.00	Multiple ligaments case presentations	Sports medicine committee: Acute hamstring injuries: From onset to treatment	EKA – TKA: Optimizing TKA II	Basic science committee: Latest developments in medical imaging
12.10				
12.20				
12.30				
12.40				
12.50				
13.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 17: ULS: Elbow arthroscopy	ICL 18: Navigation in orthopaedic sports medicine	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – practical guidelines for surgeons		7.30
				7.45
				8.00
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				10.00
				10.10
				10.20
Coffee break			Visit industrial exhibition	Coffee break
				10.30
				10.45
Key note: Arthroscopic treatment of degenerative joint	ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians			11.00
Key note: How to manage a stiff knee				11.10
Key note: Formula One Medicine				11.15
Key note: Patellofemoral osteoarthritis in young adults				11.25
				11.30
				11.40
				11.45
				11.55
				12.00
Free papers: Patello-femoral II	ESSKA – EFOST: Sports and Knee Arthritis			12.10
				12.20
				12.30
				12.40
				12.50
Free papers: Cartilage III				13.00

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

ROOM A+B

07:30 - 08:55 ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL
Chair: Engebretsen L. (Norway)

07:30 - 07:35 Introduction
ICL22-4319 Engebretsen L. (Norway)

07:35 - 07:50 Anatomy: This is what you need to know
ICL22-4320 Griffith C. (United States)

07:50 - 08:05 Biomechanics, exam and stress xrays
ICL22-4321 Griffith C. (United States), LaPrade R. (United States)

08:05 - 08:20 Acute lateral injuries: Approach?
ICL22-4322 Engebretsen L. (Norway)

08:20 - 08:35 Chronic injuries: Combined, LCL, politeus tendon
ICL22-4323 LaPrade R. (United States)

08:35 - 08:50 Posterolateral inj rehab issues
ICL22-4324 Moksnes H. (Norway)

08:50 - 08:55 Discussion

09:00 - 09:30 Awards presentation
Chair: Randelli P. (Italy)

09:30 - 09:55 Highlight lecture
Chair: Madry H. (Germany)

IL17-4008 Tissue engineering over the first decade of the XXIst century
Huard J. (United States)

09:55 - 10:10 Presentation ESSKA Amsterdam 2014
ME14-5034 van Dijk C.N. (Netherlands)

10:10 - 10:30 Key Note Lecture
Chair: Seil R. (Luxembourg)

KN29-4030 The joints and the surgeons, a multifactorial analysis for a complex relationship
Gleyze P. (France)

**10:30 - 11:00 Coffee break,
visit industrial exhibition**

ROOM A

11:00 - 11:30 Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman
Chair: Almqvist K. (Belgium)

11:00 - 11:10 Arthroscopic treatment of a degenerative joint: To avoid
B16-4373 Kohn D. (Germany)

11:10 - 11:20 Arthroscopic treatment of a degenerative joint: To do
B16-4374 Steadman J. (United States)

11:20 - 11:30 Discussion

11:30 - 12:00 Free papers: Ligament VI
Chair: Mora G. (Spain), Prejbeanu R. (Romania)

11:30 - 11:35 Associations between anatomical risk factors and lower extremity frontal plane kinetics and kinematics during maximal drop jump landings in Norewegian female elite soccer and handball players
FP33-1333 Wangenstein Armlaug (Norway), Kristianslund E., Nilstad Agnethe, Steffen Katrin, Krosshaug T.

11:35 - 11:40 The effect of platelet rich plasma on tendon-to-bone tunnel healing in a rabbit model
FP33-1510 Delambre J. (France), Bensidhoum M., Khalil C., Aim F., Launay Jean-Marie, David B., Petite H., Hannouche D.

11:40 - 11:45 Effect of haemarthrosis on final outcome in single bundle versus double bundle anterior cruciate ligament reconstruction of the knee: a randomized prospective clinical study
FP33-631 Goyal A. (India), Chaudhary D., Joshi D., Bahl V.

11:45 - 11:50 Differences in the ligamentization process of anterior cruciate ligament grafts in a sheep study
FP33-57 Mayr H. (Germany), Stoehr Amelie, Südkamp N., Bernstein Anke

11:50 - 12:00 Discussion

12:00 - 13:00 Multiple ligaments case presentations
Chair: Adravanti P. (Italy)

12:00 - 12:15 Case presentation
SY53-4325 Adravanti P. (Italy)

12:15 - 12:30 Case presentation
SY53-4326 Benedetto K. (Austria)

12:30 - 12:45 Case presentation
SY53-4327 Maestro A. (Spain)

12:45 - 13:00 Case presentation
SY53-4328 Plaweski S. (France)

Timetables

Wednesday

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Posters

ROOM B

11:00 - 11:15 Key Note Lecture

Chair: Prejbeanu R. (Romania)

- Disorders clavicular joint
KN10-4000 *Toussaint B. (France)*

11:15 - 11:30 Key Note Lecture

Chair: Kovacic L. (Ljubljana)

- Scapulothoracic dyskinesia
KN11-4001 *van der List M. (Netherlands)*

11:30 - 12:00 Crash and nightmare, how things can go wrong in shoulder arthroscopy

Chair: Tzanakakis N. (Greece), Mikek M. (Slovenia)

- 11:30 - 11:36 Anesthesiological nightmares in shoulder arthroscopy
SY54-4348 *Angelis K. (Greece)*
- 11:36 - 11:46 Choosing the right indications for shoulder arthroscopy
SY54-4349 *Mikek M. (Slovenia)*
- 11:46 - 11:56 Technical difficulties in shoulder arthroscopy
SY54-4350 *Tzanakakis N. (Greece)*
- 11:56 - 12:00 Discussion

12:00 - 13:00 Sports medicine committee: Acute hamstring injuries: From onset to treatment

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

- 12:00 - 12:12 Hamstring anatomy in relation to injury
SY50-4077 *Golano P. (Spain)*
- 12:12 - 12:24 Incidence and recurrence rate of hamstring injuries
SY50-4078 *Ekstrand J. (Sweden)*
- 12:24 - 12:36 Diagnostic and prognostic factors for acute hamstring injuries
SY50-4079 *Kerkhoffs G. (Netherlands)*
- 12:36 - 12:48 Treatment of acute hamstring injuries: Evidence or eminence
SY50-4080 *Engebreetsen L. (Norway)*
- 12:48 - 13:00 Discussion

ROOM C

07:30 - 08:55 ICL 16: EKA: Osteotomy – The basics

Chair: van Heerwaarden R. (Netherlands), Mayr H. (Germany)

07:30 - 07:38 Deformity analysis and planning

ICL25-4217 *Spruijt S. (Netherlands)*

07:38 - 07:46 Science behind HTO/SCO

ICL25-4218 *van Heerwaarden R. (Netherlands)*

07:46 - 07:54 Indication and surgical technique HTO

ICL25-4219 *Niemeyer P. (Germany)*

07:54 - 08:02 Indication and surgical technique SCO

ICL25-4220 *van Heerwaarden R. (Netherlands)*

08:02 - 08:10 Survival analysis HTO

ICL25-4221 *Marcacci M. (Italy)*

08:10 - 08:18 Survival analysis in SCO

ICL25-4222 *Bruni D. (Italy)*

08:18 - 08:26 Digital planning and navigation

ICL25-4223 *Schröter S. (Germany)*

08:26 - 08:34 Case discussions

ICL25-4224 *Mayr H. (Germany)*

08:34 - 08:55 Discussion

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

Timetables

Wednesday

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Saturday

Posters

ROOM C

11:00 - 11:45 EKA – Lateral OA of the knee uni or osteotomy?

Chair: Hernigou P. (France), Ritschl P. (Austria)

11:00 - 11:10 What is different between lateral and medial fixed bearing uni?
SY44-4329 *Hernigou P. (France)*

11:10 - 11:20 Mobile bearing uni in lateral arthrosis of the knee
SY44-4330 *Victor J. (Belgium)*

11:20 - 11:30 Results of uni versus osteotomy in lateral arthrosis of the knee
SY44-4331 *Bonnin M. (France)*

11:30 - 11:40 Closing wedge lower femur osteotomies in early lateral OA:
Evaluation of more than 100 patient at minimum 10 year follow-up
SY44-4332 *Bruni D. (Italy)*

11:40 - 11:45 Discussion

11:45 - 12:00 Key Note Lecture

Chair: Hofmann S. (Austria)

Does limb torsion matter?
KN21-4010 *Teitge R. (United States)*

12:00 - 13:00 EKA – TKA: Optimizing TKA II

Chair: Wymenga A. (Netherlands), Catani F. (Italy)

12:00 - 12:08 Accuracy and clinical outcomes in TKR patients operated by Patient
Specific Technology
SY46-4225 *Catani F. (Italy)*

12:08 - 12:16 Does oversizing influence the results after TKA?
SY46-4226 *Bonnin M. (France)*

12:16 - 12:24 Biomechanical analysis of high flexing total knee arthroplasty
SY46-4227 *Verdonschot N. (Netherlands)*

12:24 - 12:32 Genesis2 versus journey PS design RCT
SY46-4228 *van Hellemondt G. (Netherlands)*

12:32 - 12:40 The impact of patient expectation in TKA on the clinical outcome
100 prospective followed cases
SY46-4229 *Becker R. (Germany)*

12:40 - 13:00 Discussion

07:30 - 08:55 ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology

Chair: Brittberg M. (Sweden), Madry H. (Germany)

07:30 - 07:45 Classification of lesions

ICL24-4187 Brittberg M. (Sweden)

07:45 - 08:00 Treatment of cartilage lesions < 4 cm²

ICL24-4188 Gobbi A. (Italy)

08:00 - 08:15 Treatment of cartilage lesions > 4 cm²

ICL24-4189 Madry H. (Germany)

08:15 - 08:30 Treatment of OA-lesions

ICL24-4190 Gomoll A. (United States)

08:30 - 08:45 Cultural aspects on treatment of cartilage lesions

ICL24-4191 Goyal D. (India)

08:45 - 08:55 Discussion

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

11:00 - 11:15 Key Note Lecture

Chair: Zazirnyi I. (Ukraine)

Root MM Injury

KN19-4009 Petersen W. (Germany)

11:15 - 11:30 Key Note Lecture

Chair: Dubrov V. (Russian Federation)

QQ: Mensical repair: Non absorbable or absorbable suture

KN26-4032 Beaufils P. (France)



11:30 - 12:00	Free papers: Cartilage II <i>Chair: Madry H. (Germany), Rodkey W. (United States)</i>
11:30 - 11:35	Patient profiling in cartilage regeneration of the knee: mid-term results and prognostic factors <i>FP35-574 Filardo G. (Italy), Kon Elizaveta, Patella S., Di Martino A., Perdisa F., Marcacci M.</i>
11:35 - 11:40	The molecular effect of resveratrol on osteoarthritic and juvenile chondrocytes <i>FP35-118 Dragoo J. (United States), Kim Hyeon Joo, Braun Hillary, Phan H., Gil E., Kaplan D.</i>
11:40 - 11:45	Composite growth-factor-bioreactor synergism for human stem cell chondrogenesis <i>FP35-156 Salzmann G. (Germany), Petrou M., Mayr H., Grad Sybille, Alini M., Südkamp N.</i>
11:45 - 11:50	Both functional measures and patient-reported outcomes are necessary to track progression in patients with knee pain <i>FP35-665 Ghodadra A. (United States), Bershinsky B., Miniaci A., Jones M.</i>
11:50 - 12:00	Discussion
12:00 - 13:00	Basic science committee: Latest developments in medical imaging <i>Chair: Amis A. (United Kingdom), Hulet C. (France)</i>
12:00 - 12:10	Clinical applications of RSA with in joint prostheses, both marker-based and model-based <i>SY19-4270 Kaptein B. (Netherlands)</i>
12:10 - 12:20	Knee fluoroscopy evaluation: Comparison of two designs and its clinical relevance <i>SY19-4271 Lebel B. (France)</i>
12:20 - 12:30	MRI 7 T and knee pathology <i>SY19-4272 Marlovits S. (Austria)</i>
12:30 - 12:40	The SPECT-CT for investigation of painful joints <i>SY19-4273 Hirschmann M. (Switzerland)</i>
12:40 - 12:50	MRI of cartilage – Identification of early changes <i>SY19-1107 Welsch G. (Germany), Domayer S., Apprich S., Blanke M., Marlovits S., Trattnig S.</i>
12:50 - 13:00	Discussion

ROOM K

07:30 - 08:55 ICL 17: ULS: Elbow arthroscopy

Chair: Safran M. (United States)

07:30 - 07:45 Elbow arthroscopy - Portals and anatomy

ICL26-4237 *Willems W. (Netherlands)*

07:45 - 08:00 Arthroscopic treatment of the stiff elbow – To include OA

ICL26-4238 *Pederzini L. (Italy)*

08:00 - 08:15 Arthroscopic treatment of OCD

ICL26-4240 *Arrigoni P. (Italy)*

08:15 - 08:30 Arthroscopic treatment of tennis elbow

ICL26-4239 *Kelberine F. (France)*

08:30 - 08:45 Arthroscopic evaluation and treatment of instability

ICL26-4241 *Safran M. (United States)*

08:45 - 08:55 Discussion

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

11:00 - 11:15 Key Note Lecture

Chair: Karlsson J. (Sweden)

Arthroscopic treatment of degenerative joint

KN34-4333 *Eriksson K. (Sweden)*

11:15 - 11:30 Key Note Lecture

Chair: Kecojevic V. (Serbia)

How to manage a stiff knee

KN30-4031 *Guillen Garcia P. (Spain)*

11:30 - 11:45 Key Note Lecture

Chair: Piontek T. (Poland)

Formula One Medicine

KN31-4033 *Kucukdurmaz F. (Turkey)*

Timetables

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Posters

ROOM K

11:45 - 12:00 **Key Note Lecture**

Chair: Victor J. (Belgium)

Patellofemoral osteoarthritis in young adults
KN36-4281 *Dejour D. (France)*

12:00 - 12:30 **Free papers: Patello-femoral II**

Chair: Dejour D. (France), Varatojo J. (Portugal)

12:00 - 12:05 Combined trochleoplasty and MPFL reconstruction for treatment of chronic severe patellofemoral instability – a prospective minimum 2-year follow up study
FP38-1378 *Banke I. (Germany), Kohn L., Meidinger G., Beitzel K., Imhoff A., Schöttle P.*

12:05 - 12:10 Medial patellofemoral ligament reconstruction with a divergent patellar transverse two-tunnel technique
FP38-878 *Alam M. (United Kingdom), Panni A., Cerciello S., Vasso M., Maffulli N.*

12:10 - 12:15 Reconstruction of the medial patellofemoral ligament with an aperture fixation – a clinical 2-year follow up
FP38-1316 *Hensler D. (Germany), Otto A., Beitzel K., Banke I., Imhoff A., Schöttle P.*

12:15 - 12:20 Combined arthroscopic deepening trochleoplasty and reconstruction of the medial patellofemoral ligament a prospective follow-up
FP38-538 *Blond L. (Denmark), Haugegaard M.*

12:20 - 12:30 **Discussion**

12:30 - 13:00 **Free papers: Cartilage III**

Chair: Årøen A. (Norway), Hannouche D. (France)

12:30 - 12:35 Obesity affects the chondrocyte responsiveness to leptin in patients with osteoarthritis
FP42-1349 *Mainard D. (France), Francin P., Pallu S., Guillaume Cecile, Pottie Pascale, Presle Nathalie*

12:35 - 12:40 Subchondral drilling affects the microarchitecture of the subchondral bone: analysis at 6 months postoperatively in a preclinical large animal model
FP42-360 *Madry H. (Germany), Orth P., Goebel L., Wolfram U., Kohn D., Pape D.*

12:40 - 12:45 Carbon dioxide arthroscopic matrix induced chondrocyte implantation: technical notes and clinical results
FP42-686 *Vascellari A. (Italy), Rebutti E., Schiavetti S., Coletti N.*

12:45 - 12:50 Does Kellgren-Lawrence grade correlate with arthroscopic findings in knee
FP42-1328 *Briggs Karen (United States), Rodkey W., Steadman J., Matheny Lauren*

12:50 - 13:00 **Discussion**

ROOM E

07:30 - 08:55 ICL 18: Navigation in orthopaedic sports medicine

Chair: Colombet P. (France), Klos B. (Netherlands)

07:30 - 07:42 Influence of secondary restraint factors on stability of the knee

ICL27-4351 *Ferretti A. (Italy)*

07:42 - 07:54 ACL extra articular/combined procedures

ICL27-4352 *Colombet P. (France)*

07:54 - 08:06 Navigated double bundle

ICL27-4353 *Plaweski S. (France)*

08:06 - 08:18 Preoperative decision making, high tech diagnostic tools

ICL27-4354 *Zaffagnini S. (Italy)*

08:18 - 08:30 Overview and future developments

ICL27-4355 *Klos B. (Netherlands)*

08:30 - 08:42 Ankle surgery navigation

ICL27-4356 *Plaweski S. (France)*

08:42 - 08:55 Discussion

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

11:00 - 12:00 ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians

Chair: Maffulli N. (United Kingdom)

11:00 - 11:15 Initial assessment of the on field

SY52-4093 *Malliaropoulos N. (Greece)*

11:15 - 11:30 Spinal injuries

SY52-4094 *Lohrer H. (Germany)*

11:30 - 11:45 Major limb injuries on the field

SY52-4095 *Maffulli N. (United Kingdom)*

11:45 - 12:00 Discussion

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ROOM E

12:00 - 13:00 **ESSKA – EFOST:**
Sports and Knee Arthritis
Chair: Kelberine F. (France)

12:00 - 12:08 Role of sports in occurrence of arthritis
SY48-4081 Mann G. (Israel)

12:08 - 12:16 Meniscal tears in young athletes
SY48-4082 Seil R. (Luxembourg)

12:16 - 12:24 Arthritis in ACL deficient knee
SY48-4083 Engebretsen L. (Norway)

12:24 - 12:32 Management of medial knee pain in the over 50 sportsmen
SY48-4084 Canata G. (Italy)

12:32 - 12:40 Recreational sports and resurfacing systemarthroplasty
SY48-4085 Doral M. (Turkey)

12:40 - 12:48 Sport after TKA
SY48-4086 Huylebroek J. (Belgium)

12:48 - 13:00 Discussion

07:30 - 08:55 ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – Practical guidelines for surgeons

Chair: Gleyze P. (France), Cools Ann M. (Belgium)

07:30 - 07:40 The role of rehabilitation in the postoperative management after shoulder surgery: The past and the future

ICL23-4313 *Conti M. (Italy)*

07:40 - 07:50 Role of senso motor and proprioceptive training in painful shoulder and cuff pathologies

ICL23-4314 *Beitzel K. (Germany)*

07:50 - 08:00 Challenges and pitfalls of postoperative management after shoulder surgery

ICL23-4315 *Franceschi F. (Italy)*

08:00 - 08:10 Shoulder instability: Conservative and postoperative treatment

ICL23-4316 *Franceschi F. (Italy)*

08:10 - 08:20 Rotator cuff pathology: Pain and cuff tear management

ICL23-4317 *Flurin P. (France)*

08:20 - 08:30 Return to play after shoulder surgery: Rehabilitation guidelines for overhead athletes

ICL23-4318 *Cools Ann M. (Belgium)*

08:30 - 08:55 Discussion

P13 SPINE

- P13-96 Scoliosis in immature athletes
Massada Marta (Portugal), Pereira A., Sousa R., Massada L.
- P13-620 The prevalence of low back pain among former elite cross-country skiers, rowers, orienteers and nonathletes – a 10-year cohort study
Foss Ida Stange (Norway), Holme I., Bahr R.
- P13-1163 Transversus abdominis performance with rehabilitative ultrasound imaging feedback
Almeida Isabel (Portugal), Matias R.
- P13-1344 The impact of working length of occipital screws on the pullout resistance of the screw-plate construct. A biomechanical cadaver study
von Keudell A. (United States), Korn G., Mayer M., Resch H., Zenner Juliane, Koller H.

P14 SHOULDER

- P14-110 Autoclaved frozen femoral head allograft bone grafting for large bone defects – A review of its cost-effectiveness
Seng C. (Singapore), Chin P., Chia S., Lo N., Yeo S.
- P14-130 Arthroscopically assisted Latarjet – Lafosse procedure: how to make it easier in lateral decubitus position through 3 standard portals
Belopolsky Alissa (Russian Federation), Milenin O.
- P14-238 Arthroscopic rotator cuff repair: Single to double row
Fiodorovas M. (Lithuania)
- P14-308 Arthroscopic bone block augmentation of the anterior glenoid without violating the subscapularis tendon: a cadaveric study
Verborgt O. (Belgium), Van den Bogaert G., Debeer P.
- P14-403 Clinical outcomes of arthroscopic repair of massive cuff tears. Comparative study of immobile vs mobile
Randelli P. (Italy), Zottarelli L., Fossati Chiara, Arrigoni P., Ragone Vincenza
- P14-406 Biological approach to Bankart repair: A prospective study
Randelli P. (Italy), Spennacchio P., Aliprandi A., Ragone Vincenza, Cabitza P.
- P14-501 A preliminary prospective study of the use of ultrasound in the arthroscopic debridement of calcific rotator cuff tendinitis
Sabeti M. (Austria), Schmidt M., Schueller-Weidekamm Claudia, Nemecek Elena

**P14
SHOULDER**

- Clinical outcomes of arthroscopic subscapularis repair

P14-525 Verma N. (United States), Lin E., Van Thiel G., Nicholson G., Cole B., Romeo A.
- Can we improve the reliability of the Constant-Murley score?

P14-669 Blonna D. (Italy), Tellini Alessandra, Bonasia D., Rossi R., Michele S., Castoldi F.
- Arthroscopic Bankart reconstruction improves EQ-5D index and reduces the bone mineral areal mass in the calcanei

P14-836 Ejerhed L. (Sweden), Elmlund Anna Ostberg, Kartus J.
- Augmentation of suture anchor fixation with polymethylmethacrylate bone cement

P14-907 Seo H. (South Korea (ROK)), Lee S.
- Arthroscopic single or double row repair of isolated full thickness SSP tear – prospective results after 24 months

P14-923 Heikenfeld R. (Germany), Listringhaus R., Godolias G.
- Anatomic tunnel positioning in AC joint repair using tendon grafts results in increased stability of graft fixation

P14-938 Beitzel K. (Germany), Geaney Lauren, Apostolakos J., Cote M., Arciero R., Mazzocca A.
- Arthroscopic management of proximal humerus malunion with tuberoplasty and rotator cuff re-tensioning

P14-971 Lädermann A. (Switzerland), Denard P., Burkhart S.
- Acromioclavicular joint reconstruction: A comparative biomechanical study of three techniques

P14-982 Lädermann A. (Switzerland), Hoffmeyer P., Stimec B., Fasel J.
- An Innovative method of shoulder strength assessment

P14-988 Lädermann A. (Switzerland), Collin P.
- All-arthroscopic double bundle coracoclavicular ligament reconstruction using autogenous semitendinosus graft. A series of eighteen cases with a new technique

P14-1125 Ranne J. (Finland), Sarimo J., Orava S.
- Arthroscopically assisted repair of acute grade III-V acromioclavicular joint dislocations

P14-1187 Sarasquete J. (Spain), Bruno L., Abat F., Alvarez C., Vidal A., Proubasta I.
- Arthroscopic management of posterior shoulder instability

P14-1319 Antonogiannakis M. (Greece), Mataragas E., Tsiampa V., Arealis G., Tzanakakis N., Andriopoulou Maria

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Posters

P14 SHOULDER

- A musculoskeletal model of the shoulder capable of informing clinical decision-making.**
P14-1443 *Matias R. (Portugal), Seth A., Veloso A.*
- Can PEMFs reduce postoperative pain and capsulitis occurrence after arthroscopic rotator cuff repair? A prospective, randomized study**
P14-1466 *Osti L. (Italy), Papalia R., Del Buono A., Maffulli N., Denaro V.*
- Biomechanics of a new technique for minimal-invasive coracoclavicular ligament reconstruction in chronic acromioclavicular joint instability**
P14-1490 *Schliemann B. (Germany), Lenschow S., Herbot M., Raschke M.*

P15 SHOULDER

- Comparison of active and passive measurements of shoulder proprioception in healthy individual**
P15-53 *Unal M. (Turkey), Dilek Banu, Gulbahar Selmin, Akalin Elif, Akseki D., Pinar H.*
- Suspensory fixation for intraosseus arthroscopic long head biceps tenodesis. Preliminary results**
P15-112 *Camacho Chacón J. (Spain), Calvo Diaz A., Roche Albero A., Ferrer Peiron Sofia, Badiola Vargas Jara*
- Functional results and anatomic control of an arthroscopic repair technique of large and massive rotator cuff tears by a side-by-side suture**
P15-115 *Rousseau T. (France), Bertiaux S., Courage O., Roussignol X., Duparc F., Dujardin F.*
- The use of a pre-operative Botulinum Toxin injection in arthroscopic rotator cuff repair. A five year clinical follow up study**
P15-153 *Van der Bracht H. (Belgium), van Rooyen K., Huijsmans P., de Beer J.*
- Evaluation of the diagnostic accuracy of preoperative MR arthrography for the subscapularis tendon tears**
P15-181 *Sano T. (Japan), Matsuoka H., Nakayama K., Saji T.*
- Technique and outcomes of endoscopic scapulothoracic bursectomy and partial scapulectomy**
P15-184 *Van der Meijden O. (United States), Gaskill T., Horan Marilee, Millett P.*

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	<p>P15-266</p>	<p>Reliability of the geometric classification of rotator cuff tears based on magnetic resonance arthrography <i>van der Zwaal P. (Netherlands), Thomassen Bregje, Urlings T., de Rooij T., Swen J., van Arkel E.</i></p>
	<p>P15-294</p>	<p>Comparison of glenohumeral contact pressures and contact area after glenoid reconstruction with Latarjet or distal tibial osteochondral allograft <i>Verma N. (United States), Bhatia S., Van Thiel G., Gupta Deepti, Shewman Elizabeth, Romeo A., Bach B.</i></p>
	<p>P15-309</p>	<p>Posterior capsulorrhaphy in addition to arthroscopic Bankart repair for instability without bone loss <i>Verborgt O. (Belgium), Vanhees M., van Riet R., Janssen N., Declercq G.</i></p>
	<p>P15-311</p>	<p>Standard or decelerated rehabilitation following arthroscopic rotator cuff repair: a randomized, prospective study <i>Verborgt O. (Belgium), Defoort Saartje, Cools Ann M., Van den Bogaert G.</i></p>
	<p>P15-374</p>	<p>Refixation of the supraspinatus tendon in the rat model – Influence of continuous G-CSF application via phospho-lipid gel on tendon structure and biomechanical properties <i>Buchmann S. (Switzerland), Walz L., Reichel T., Beitzel K., Winter G., Imhoff A.</i></p>
	<p>P15-405</p>	<p>Long term quality of life in patients treated for massive retracted immobile cuff tears <i>Randelli P. (Italy), Zottarelli L., Fossati Chiara, Arrigoni P., Ragone Vincenza</i></p>
	<p>P15-425</p>	<p>Isokinetic testing in patients with rotator cuff rupture <i>Höfling Imke (Finland), Thorwesten L., Väättäinen U., Sipola P., Niemitukia Lea, Kröger H.</i></p>
	<p>P15-427</p>	<p>Pre-operative isokinetic testing does not predict long-term outcome of surgery in patients with rotator cuff rupture <i>Höfling Imke (Finland), Thorwesten L., Väättäinen U., Sipola P., Niemitukia Lea, Kröger H.</i></p>
	<p>P15-451</p>	<p>The influence of ultrasound-guidance in the rate of success of acromioclavicular joint injection <i>Borbas P. (Austria), Kraus Tanja, Clement H., Grechenig W., Weinberg Annelie Martina, Heidari N.</i></p>

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- P15-467 The clinical and radiographical results of reverse total shoulder arthroplasty with eccentric glenosphere
Mizuno Naoko (Japan), Walch G.
- P15-531 The feasibility and results of arthroscopic removal of proximal humeral locking plates and glenohumeral arthrolysis after proximal humeral fractures
Maqdes A. (France), Levy B., Bauer T., Hardy P.
- P15-558 Margin convergence revisit: arthroscopic partial repair of irreparable large to massive rotator cuff tears
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- P15-572 Evaluation of arthroscopic subacromial decompression using a 2-portal technique
Marican M. (Singapore), Lim L., Tan A.
- P15-579 Locked plate fixation of proximal humerus fractures with and without the medial humeral calcar: a biomechanical evaluation
Safran M. (United States), Abrams G., Lindsey D., Cheung E., Giori N.
- P15-599 Outcome of a partial cap resurfacing implant for humeral head defects in patients with shoulder instability
Frisch N. (United States), Kodali P., Miniaci A., Jones M.
- P15-681 The applicability of rigid intramedullary devices for clavicle midshaft fractures fracture fixation
Kamineneni S. (United States), Bachoura A.
- P15-701 Predictors of success of nonoperative treatment for full-thickness rotator cuff tears: a multicenter cohort study
Dunn W. (United States), Kuhn J.
- P15-757 Injury of the suprascapular nerve during Latarjet procedure: an anatomic study
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	P15-833	<p>Single row vs. double row arthroscopic rotator cuff repair: Clinical and 3 Tesla MR arthrography results: A retrospective study</p> <p><i>Bisicchia S. (Italy), Tudisco C., Savarese E., Fiori R., Bartolucci D., Masala S.</i></p>
	P15-840	<p>Real-time sonoelastography of the rotator cuff</p> <p><i>Bisicchia S. (Italy), Tudisco C., Stefanini M., Antonicoli M., Simonetti G.</i></p>
	P15-871	<p>Subscapularis tear, its modified lafosse classification and its arthroscopic repair</p> <p><i>Sharma V. (India), Babhulkar A.</i></p>
	P15-900	<p>The possibility of supraspinatus and infraspinatus separation and suture in cases of massive rotator cuff tears</p> <p><i>Komatsu T. (Japan), Hayashi Y., Takeda O., Akita M., Iwasaki T., Ito J.</i></p>
	P15-976	<p>Mid-term outcome of arthroscopic revision repair of massive and non-massive rotator cuff tears</p> <p><i>Lädermann A. (Switzerland), Denard P., Burkhart S.</i></p>
	P15-1015	<p>Ultrasound-guided percutaneous needle aspiration of rotator cuff calcifications: A new technique</p> <p><i>Ciampi P. (Italy), Scotti C., Peretti G., Frascchini G.</i></p>
	P15-1025	<p>The importance of early passive motion in shoulder rehabilitation after arthroscopic rotator cuff repair</p> <p><i>Akme R. (Turkey), Illkeryildiz K., Tecimel O., Bilgetekin Y., Ort Ç., Bozkurt M.</i></p>
	P15-1109	<p>Intrateser and intertester reliability of the cuffmeter: new device for rotator cuff thickness measurements</p> <p><i>Franceschi F. (Italy), Papalia R., Vasta S., Palumbo A., Maffulli N., Denaro V.</i></p>
	P15-1151	<p>Effectiveness of the hyaluronic acid in the different stages of the evolutive cuff pathology: a perspective study</p> <p><i>Busilacchi A. (Italy), Enea D., Cecconi S., Gigante A.</i></p>
	P15-1156	<p>Early recovery from rotator cuff surgery may incite an increased likelihood of re-tear: compliance may be the critical issue</p> <p><i>Haber M. (Australia)</i></p>

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- Evaluation of current biologic carriers for mesenchymal stem cell application in rotator cuff surgery**
P15-1204 *Beitzel K. (Germany), McCarthy Mary Beth, Russell R., Edgar C., Arciero R., Mazzocca A.*
- Functional effectiveness of arthroscopic rotator cuff repair in the elderly**
P15-1215 *Antonogiannakis E. (Greece), Tsiampa Vassiliki, Arealis G., Mataragas E., Stamatakis G.*
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P15-1221 *Pouliart Nicole (Belgium)*
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P15-1230 *Choi S. (South Korea (ROK)), Kim G., Nam K., Kim M.*
- Simultaneous Bankart and rotator cuff repair for anterior shoulder instability with Bankart lesion and rotator cuff tear**
P15-1285 *Saji T. (Japan), Sano T., Matsuoka H.*
- Surgical treatment of chronic acromionclavicular dislocations: Comparison of two surgical techniques**
P15-1292 *Ciampi P. (Italy), Scotti C., Peretti G., Fraschini G.*
- Cost-effectiveness of rotator cuff repair surgery**
P15-1322 *von Keudell A. (United States), Higgins L., Warner J., Jain N.*
- Inter-observer reliability of the Sugaya's classification to assess structural integrity of rotator cuff after arthroscopic repair**
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- Throwing sport improves shoulder proprioception**
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- Do microfractures influence recovery after rotator cuff repair? A randomized controlled study**
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- Glenohumeral osteoarthritis after arthroscopic Bankart repair for anterior instability**
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- The Arthroscopic Bone Needle. A new, safe and cost-effective technique for rotator cuff repair**
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- Radiologic comparative analysis of anatomical bony reconstruction after total shoulder arthroplasty; interest of a neck osteotomy with a fixed angulation of 135° – A serie of 64 cases**
P15-1517 Gleyze P. (France), Elkothi K., Kany J., Katz D., Sauzieres P., Valenti P.
- Lack of active external rotation and massive cuff tear: assessment and therapeutic options: retrospective review of 20 cases**
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- Management of stiff shoulder: A prospective multicenter comparative study of 6 major techniques used, about 235 cases**
P15-1520 Gleyze P. (France), Clavert P., Benkalfate T., Charousset C., Flurin P., Georges T., Hardy P., Hubert L., Joudet T., Katz D., Lafosse L., Laprelle E., Levigne C., Solignac N., Toussaint B.

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- P16-307 Complications associated with single-incision distal biceps tendon repair
Bisson L. (United States), Gawai Y., Wind W., Fineberg M.
- P16-356 Effect of hot and cold applications on elbow proprioception
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- P16-586 Investigation of radioulnocarpal joint load distribution effects of radial shortening osteotomy for the treatment of Kienböck disease: a biomechanical study
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- P16-611 Intraoperative carpal tunnel pressure in carpal tunnel release: comparison of endoscopic and open methods
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- P16-693 Three dimensional analysis of the insertional footprints of the triceps brachii
Kamineni S. (United States), Bachoura A., Sasaki K.
- P16-1104 Positive effects of Autologous Conditioned Plasma (ACP) on the healing of uman epicondylitis
Pütz O. (Germany), Klein P., Dewitz H., Schäferhoff P.
- P16-1326 Histological and biochemical analysis of collagen types I and III in transverse carpal ligament in patients with carpal tunnel syndrome (CTS)
Kunamneni A. (United States), Sasaki K., Sinai A., Kamineni S.
- P16-1354 Treatment of mild and advanced cases of elbow OA with arthroscopic debridement and intra-articular hyaluronic acid injections
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- P16-1362 A normalised parameter for the localisation if the radial nerve (PIN) in the proximal forearm
Norgren Crystal (United States), Davidson E., Ruriko Yoshida, Deane A., Kamineni S.
- P16-1369 Rupture of the distal triceps brachii tendon – case report
Geada N. (Portugal), Canilho B., Lança N., Mota B., Barroso R.
- P16-1480 Evaluation of biochemical alterations of collagen types I and III expression in elbow capsule following trauma
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- The bleeding pelvic fracture: Predictors for angiographic evaluation**
P17-1121 *Vellasamy A. (Singapore), Hussein F., Vaarun B., Zhu R., Aris I.*
- Do we need a new method to assess femoral head deformity on plain radiographs?**
P17-1174 *Erquicia J. (Spain), Gelber P., Pelfort X., Tey M., Monllau J., Ormazabal Inmaculada*
- Risk of sciatic nerve traction injury during hip arthroscopy – is it the amount or duration? An intra-operative nerve monitoring study**
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- Modified Thomas´ test for measuring the fixed flexion deformity of the hip**
P17-1241 *Ling M. (Singapore)*
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P17-1475 *Dimitrakopoulou Alexandra (United Kingdom), Schilders E.*

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P18-90	Anatomical evaluation of quadriceps tendon: Application for the ACL graft <i>Iriuchishima T. (Japan), Shirakura K., Fu F.</i>
P18-137	Analysis of tunnel widening after double-bundle ACL reconstruction with an outside-in femoral tunnel formation: a study using a remodeled MRI with a tunnel direction <i>Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.</i>
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P18-410	ACL double bundle linked cortical-aperture tibial fixation: An in vitro biomechanical study <i>Nyland J. (United States), McGinnis M., Lee Yee Han D., Kibbe S., Burden R., Caborn D.</i>
P18-435	Analysis of anterior tibial subluxation to femur at maximum extension in anterior cruciate ligament-deficient knees <i>Kuroda R. (Japan), Araki D., Sasaki H., Matsushita T., Kubo S., Kurosaka M.</i>
P18-483	A biomechanical analysis of suture to tendon attachment techniques used during ligament reconstruction <i>Bradley B. (United Kingdom), Walter R., Isaac D., Hockings M.</i>
P18-530	Anatomic transtibial ACL reconstruction: effect of tunnel placement, size and reamer characteristics <i>Verma N. (United States), Bhatia S., Korth K., Gupta Deepti, Cole B., Bach B.</i>
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P18-622 *Ohashi Y. (Japan), Toratani T., Kosaka M., Nakase J.*
- Bespoke anatomic ACL reconstruction. individualized femoral tunnel placement guided by intercondylar notch ridge anatomy – a 3D CT study**
P18-708 *Robinson J. (United Kingdom), Porteous A.*
- Autologous platelet-rich plasma promoted proliferation of synovial fluid mesenchymal stem cells in alginate hydrogel**
P18-766 *Tang H. (Taiwan), Chen C.*
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P18-806 *Mogos S. (Romania), Fayard J., Sonnery-Cottet B., Chambat P.*
- Anterior cruciate ligament femoral tunnel drilling anteromedial portal: 3-Dimensional plane drill angle affects tunnel length relative to notchplasty**
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- A new design femoral fixation device for anterior cruciate ligament reconstruction – mechanical evaluation and comparison**
P18-859 *Chen L. (Taiwan), Chen C.*
- Anterior cruciate ligament (ACL) reconstruction using a quadriceps tendon autograft and press-fit fixation has equivalent results compared to a standard technique using semitendinosus graft – a prospective matched-pair analysis after one year**
P18-913 *Hoehner J. (Germany), Balke M., Albers M., Helm P., Bouillon B., Akoto R.*
- Anatomical ACL reconstruction – single bundle quadriceps vs. double bundle hamstring**
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- Anterior cruciate ligament reconstruction: Soft tissue Vs BTB**
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	P18-992	<p>A comparison of patellatendon v. quadricepstendon in anterior cruciate ligament reconstruction – a prospective and randomized study</p> <p><i>Lund B. (Denmark), Christiansen S., Nielsen T., Faunoe P., Lind M.</i></p>
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	P18-1055	<p>A prospective study of 100 double bundle ACL reconstructions: Our technique with hybrid fixation and its results</p> <p><i>Goyal A. (India), Chaudhary D., Joshi D., Bahl V.</i></p>
	P18-1084	<p>Anatomic anterior cruciate ligament reconstruction: 3D CT analysis and clinical results of mid bundle tunnel positions determined by the ruler technique*</p> <p><i>Getgood A. (United Kingdom), Spencer S., Bird J., Carmont M., Thompson P., Spalding T.</i></p>
	P18-1157	<p>Selective posterolateral bundle augmentation in ACL tears: MRI and clinical evaluation of a series of 40 patients with a mean 24 months follow-up</p> <p><i>Sonnery-Cottet B. (France), Zayni R., Archbold P., Carillon Y., Clechet J., Chambat P.</i></p>
	P18-1271	<p>ACL RI-reconstruction with fresh-frozen tendon allograft: Clinical outcomes at six years follow-up</p> <p><i>Corradini C. (Italy), Bottiglia Amici Grossi P., Ventura A., Macchi V., Malagoli E., Verdoia C.</i></p>
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- Augmentation of anterior cruciate ligament after partial tears**
P18-1392 *Iosifidis M. (Greece), Melas I., Kyriakidis T., Kyriakidis A.*
- Arthroscopic-assisted Fixation of anterior cruciate ligament avulsion (tibial eminence fractures) in adults**
P18-1422 *Fehske K. (Germany), Weißer C., Ziai P., Meffert R.*
- Anterior cruciate ligament revision reconstruction with MacIntosh procedure using the fascia lata**
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- Double bundle anterior cruciate ligament reconstruction using bone-patellar tendon-bone and gracilis composite graft: Minimum 2 years follow-up**
P19-59 *Tajima T. (Japan), Chosa E., Yamamoto K., Kawahara K., Yamaguchi Nami*
- Chlorhexidine gluconate cleansing has no effect on the structural properties of human patellar tendon allografts**
P19-62 *Hohman D. (United States), Sobel A., Bisson L., Jones J.*
- Clinical and radiological accuracy in the diagnosis of reattached ACL ruptures**
P19-75 *Al-Dadah O. (United Kingdom), Dhillon Ajit, Servant C.*
- Biomechanical comparison of tibial eminence fracture fixation with high-strength suture, endobutton, and suture anchor**
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- Comparison of tunnel placements and clinical results of single-bundle anterior cruciate ligament reconstruction before and after starting the use of double-bundle technique**
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- P19-136 *Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.*
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- P19-159 *Van der Bracht H. (Belgium), Stuyts B., Page B., Bellemans J., Verdonk P.*
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- P19-176 *Hiranaka T. (Japan)*
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- P19-246 *Tomihara T. (Japan), Yoshida G., Hara Y., Taniuchi M., Shimada N.*
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- P19-268 *Santos Assis de Melo N. (Brazil), Dias Assis F., de Oliveira Neri I., Pidner Neto H., Santos Duarte Lana J.*
Complex regional pain syndrome type I post reconstruction of anterior cruciate ligament – treatment with percutaneous radiofrequency
- P19-279 *Tecklenburg Katja (Germany), Burkart P., Friederich N., Fink C.*
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- P19-317 *Elnikety S. (United Kingdom), Bendegross Catherine, Blunn G.*
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- P19-323** Computer-assisted navigation for acl reconstruction: a randomized comparative study between the performance of the femoral tunnel in a transtibial or anteromedial way
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The effect of anatomical single-bundle vs. double-bundle ACL reconstruction on medial meniscus-deficient knees: A porcine study

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- P22-889 The influence of the cross sectional area of the ACL graft on the postoperative knee laxity
Kusano M. (Japan), Yonetani Y., Tanaka Y., Kanamoto T., Horibe S.
- P22-930 The effects of anatomic and non-anatomic posterolateral bundle augmentation on knee rotational stability: A biomechanical study in porcine knees
Yapici C. (United States), Keklikci K., Kim D., Linde-Rosen Monica, Smolinski P., Fu F.

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- The optimum far anteromedial portal position for trans-medial portal technique of ACL reconstruction by pre-operative 3D-CT taken at the knee flexion position**
P22-1041 *Eguchi A. (Japan), Adachi N., Deie M., Nishimori M., Nakamae A., Ochi M.*
- Volume and contact surface area analysis of bony tunnels between single and double bundle anterior cruciate ligament reconstruction using autograft tendons -In vivo three-dimensional imaging analysis-**
P22-1048 *Yang J. (Korea, Democratic People's Republic of (North Korea)), Kim J., Wang J.*
- Validation of electromagnetic measurement system during the pivot shift test in a cadaveric model: A comparison of cutaneous and transosseous electromagnetic position sensors**
P22-1075 *Nishizawa Y. (Japan), Kuroda R., Matsushita T., Kubo S., Nagamune K., Kurosaka M.*
- The effects of trans-tibial versus anteromedial portal technique on the stress patterns around the femoral tunnel in anatomical single-bundle ACL reconstruction at different knee flexion angles using a finite element analysis**
P22-1078 *Seo Y. (South Korea (ROK)), Yoo Y., Song S., Kim H., Kim H.*
- The 'vancomycin wrap' – a simple, effective method to reduce infection rates in ACL reconstruction**
P22-1087 *Getgood A. (United Kingdom), Wood T., Thompson P., Spalding T.*
- Validation of acceleration parameters in quantifying pivot-shift test: in-vitro multi-tester VS in-vivo single-tester analysis**
P22-1095 *Lopomo N. (Italy), Hoshino Y., Ahldén M., Nagamune K., Musahl V., Zaffagnini S.*
- 3D CT analysis of femoral and tibial tunnel locations after modified transtibial single bundle ACL reconstruction**
P22-1134 *Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.*
- The effect of graft selection on in vivo three-dimensional patellar kinematics during robotic tibial rotation using dynamic computed tomography**
P22-1175 *Branch T. (United States), Stinton S., Cunningham T., Jacobs C.*
- Tunnel positioning and graft obliquity in anatomic single bundle and transtibial techniques – an MRI comparison study**
P22-1213 *Haragus H. (Romania), Prejbeanu R., Deleanu B., Popescu Alina, Vermesan D.*

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- P22-1325** The influence of applied internal and external rotation on acceleration of the pivot shift momen
Kopf S. (Germany), Kauert R., Halfpaap J., Halfpaap Nicole, Jung T., Becker R.
- P22-1341** Transverse femoral fixation of BPTB in ACL reconstruction. Biomechanical study of two different bio-absorbable pins. Controlled animal study
Camillieri G. (Italy), Vittorio C., Adriani E.
- P22-1342** Use of the ruler technique to determine mid-footprint femoral tunnel position in anatomic anterior cruciate ligament reconstruction in a District General Hospital, analysed with 3-dimensional computed tomography
McGarvey C. (United Kingdom), Bird J.
- P22-1404** Vascularization of the remnant of ACL and clinical results of ACL reconstructions with remnant preservation
Cholewinski J. (Poland), Ficek K., Wiatr A., Pajak M., Kubiak A.
- P22-1408** The femoral insertion area of anterior cruciate ligament
Fujimaki Y. (United States), Fujimaki Yoshimasa Y., Miyawaki Motoko, Tashman S., Irrgang J., Fu F.
- P22-1418** The control of the knee kinematics achieved by single verses double-bundle Anterior Cruciate Ligament reconstruction: intra-operative measurement using surgical navigation
Robinson J. (United Kingdom), Murray J., Hassaballa M., Porteous A., Colombet P.
- P22-1419** Tibial insertion morphology and area of anterior cruciate ligament
Maeda S. (Japan), Miyawaki Motoko, Fujimaki Y., Tashman S., Irrgang J., Fu F.
- P22-1451** Two stage procedure in anterior cruciate ligament revision surger. A 5 year prospective study
Franceschi F. (Italy), Papalia R., Del Buono A., Rizzello G., Maffulli N., Denaro V.
- P22-1463** The Tegner Activity Scale index as a measure of early regained activity following knee arthroscopy
Briggs Karen (United States), Rodkey W., Matheny Lauren, Steadman J.
- P22-1515** Intraoperative comparisons of knee kinematics of double-bundle versus single-bundle Anterior Cruciate Ligament reconstruction
Plaweski S. (France), Mercier N., Grimaldi M., Saragaglia D.

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- P23-133 Re-consideration of measurement methods of stress radiographs for the improvement of reproducibility during the evaluation of knee anterior and posterior instability: a comparison of 5 different methods
Lee Y. (South Korea (ROK)), Nha K.
- P23-167 Anatomical study and morphometric analyses of the posterior cruciate ligament's femoral insertions
Gali J. (Brazil), Oliveira H., Camargo A., Martins C., Silva P., Caetano E.
- P23-216 Fixation strength of tibial inlay technique versus posterior slope onlay technique in arthroscopic PCL reconstruction
Benedetto K. (Austria), Osti M.
- P23-232 How to safely perform the femoral tunnels of the popliteus tendon and fibular collateral ligament in multiligamentary knee reconstructions. Computed tomography evaluation in a cadaveric model
Gelber P. (Spain), Erquicia J., Sosa G., Ferrer G., Abat F., Monllau J.
- P23-251 Clinical and radiological long-term outcome after posterior cruciate reconstruction and popliteus bypass surgery – what could we expect?
Adler T. (Switzerland), Friederich N., Amsler F., Hirschmann M.
- P23-287 Results of posterior cruciate ligament avulsion fixation in fresh or delayed- isolated or combined cases
Kachooei A. (Iran), Samani S., Razi Shiva, Mahdavian Naghash Zargar R.
- P23-381 Radiographic landmarks for tunnel positioning in posterior cruciate ligament reconstructions
LaPrade R. (United States), Johannsen A., Westcott D., Wijdicks C., Engebretsen L.
- P23-396 Triple bundle PCL reconstruction with autogenous hamstring tendons: minimum 2 years follow-up
Soejima T. (Japan), Inoue T., Noguchi K., Kanazawa T., Tabuchi K., Nagata K.
- P23-431 Is the U sign a radiological evidence of PCL tibial avulsion fracture?
Piedade S. (Brazil), Mischan Martha, Ferreira D.
- P23-492 Intraoperative navigation evaluation of double-bundle posterior cruciate ligament reconstruction
Ishibashi Y. (Japan), Tsuda E., Yamamoto Y., Tsukada H., Maeda S.

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- Arthroscopic popliteus tendon reconstruction: introduction a novel technique and primary results**
P23-595 Razi M. (Iran), Safar Cherati Afsaneh, Dadgostar H., Razi H., Ahadi K.
- Efficacy of posteromedial safety incision in PCL reconstruction, our experience with first 100 cases**
P23-619 Goyal A. (India), Chaudhary D., Joshi D., Bahl V.
- High prevalence of abnormal MR findings of lateral collateral ligament and popliteus tendon in the knees without instability**
P23-627 Chang C. (South Korea (ROK)), Choi J., Chang M., Lee J., Kim T.
- Femoral critical corner in posterior cruciate ligament reconstruction: a comparison of three techniques using 3-dimensional model**
P23-726 Kim S. (South Korea (ROK)), Chun Y., Kim S., Jung M., Lee S., Kim S.
- Correction of chronic irreducible posterior knee subluxation in multiple ligament injury patients using external fixation distraction: A novel technique**
P23-729 Saowaprut S. (Thailand), Charoensopa T., Chinanuvathana A.
- Combined PCL and PLC reconstruction in chronic posterolateral instability**
P23-893 Alam M. (United Kingdom), Zorzi C., Iacono V., Madonna V., Rosa D., Maffulli N.
- Quantification of posterior knee laxity in PCL injury – instrumented laxity measurement vs. stress radiography**
P23-1023 Höher J. (Germany), Akoto R., Shafizadeh S., Greshake O., Bouillon B., Balke M.
- Posterolateral corner reconstruction using single fibular sling method**
P23-1032 Kim J. (South Korea (ROK)), Yang B., Ha J.
- The use of fibroblasts for the reconstruction of anterior cruciate ligament: research on the sheep animal model**
P23-1219 Guillen Garcia P. (Spain), Guillen-Vicente Marta, Guillen-Vicente Isabel, Rodriguez-Inigo Elena, Caballero-Santos Rosa, Lopez-Alcorocho J.
- Mid-term clinical and radiographic outcomes for surgical reconstruction of multiple ligament knee instability**
P23-1268 Hantes M. (Greece), Tsarouhas A., Antoniou I., Basdekis G., Malizos K.

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- P24-81 *Development of a novel test method for intra-articular fatigue and wear testing of meniscal reconstructions*
Halewood Camilla (United Kingdom), Nawabi D., Amis A.
- P24-101 *Inter- and intra-observer reliability of the Genovese grading to evaluate the radiological outcome after partial meniscus substitution*
Schenk Larissa (Switzerland), Hirschmann Anna, Keller Leonie, Arnold M., Friederich N., Hirschmann M.
- P24-105 *Does the meniscus transplant prevent osteoarthritis? Functional and radiographic outcome 5-year follow-up*
Valencia-García H. (Spain), Gavín-González C., Prieto-Martinez J., Ruiz-Zafra J., Chozas-Muñoz A., Ferrete-Barroso Ana
- P24-122 *A pilot study of the use of a polycarbonate-urethane implant for the treatment of postmeniscectomy medial knee pain*
Verdonk P. (Belgium), Dhollander A., Verdonk R.
- P24-398 *A novel technique of the all-inside repair for lateral meniscus root tears using the meniscal viper: a technical note*
Soejima T. (Japan), Noguchi K., Tabuchi K., Kanazawa T., Nagata K.
- P24-438 *A novel acellular and viroinactivated meniscus allograft*
Tan Nathalie (France), Servien Elvire, Couchoux H., Barnouin Laurence, Neyret P.
- P24-440 *Evaluation of two virtual reality arthroscopic simulators*
Tuijthof Gabrielle (Netherlands), Visser P., Sierevelt Inger, van Dijk C., Kerkhoffs G.
- P24-545 *Clinical mid-term outcome after partial meniscus substitution using the collagen meniscal implant – good or bad?*
Hirschmann M. (Switzerland), Keller Leonie, Berbig R., Lüthi U., Schenk Larissa, Arnold M.
- P24-639 *A 12-week exercise therapy program is feasible and improves function in middle-aged patients with degenerative meniscus tears*
Stensrud Silje (Norway), Roos Ewa, Risberg May Arna
- P24-660 *Joint stressing forces when performing knee arthroscopies*
Tuijthof Gabrielle (Netherlands), Wulms P., Sierevelt Inger, Schafoth M., Blankevoort L., Kerkhoffs G.
- P24-663 *Global Rating Scales to objectify arthroscopic skills in the operating room*
Tuijthof Gabrielle (Netherlands), van Ooij B., Schafoth M., van Dijk C., Dragoo J., Kerkhoffs G.

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	<p>P24-670</p>	<p>Arthroscopic Lateral Collagen Meniscus Implant at 2 year minimum follow-up</p> <p><i>Marcheggiani Muccioli G. (Italy), Zaffagnini S., Bulgheroni P., Bulgheroni Erica, Grassi A., Marcacci M.</i></p>
	<p>P24-762</p>	<p>A novel polycarbonate-urethane meniscal implant: A functional evaluation of sizing</p> <p><i>Linder-Ganz E. (Israel), Elsner J., Condello V., Hershman E., Arbel R., Shterling A.</i></p>
	<p>P24-848</p>	<p>Implant of a polyurethane scaffold for treatment of partial meniscal lesion. Early results</p> <p><i>Bulgheroni P. (Italy), Bulgheroni Erica, Cherubino P.</i></p>
	<p>P24-858</p>	<p>Clinical results of arthroscopic salvage repair incorporating the base of PCL as a temporary post for medial meniscus posterior horn root tears</p> <p><i>Park S. (South Korea (ROK)), Kim S.</i></p>
	<p>P24-897</p>	<p>All-inside meniscal repair: a prospective, randomized clinical study with 4- to 7-year results</p> <p><i>Järvelä Sally (Finland), Sihvonon R., Järvelä T.</i></p>
	<p>P24-919</p>	<p>Effect of tourniquet use on rehabilitation and muscle damage after arthroscopic partial meniscectomy. A prospective randomized study.</p> <p><i>Hantes M. (Greece), Tsarouhas A., Basdekis G., Tsoungias G., Antoniou I., Malizos K.</i></p>
	<p>P24-985</p>	<p>A new arthroscopic technique using intraarticular portal for lateral parameniscal cyst decompression</p> <p><i>Haklar U. (Turkey), Ayhan E., Sarioglu E.</i></p>
	<p>P24-1036</p>	<p>Incidence of bilateral discoid lateral meniscus in Asian population: An arthroscopic assessment of contra-lateral knees</p> <p><i>Bae J. (South Korea (ROK)), Lim H., Hwang D., Song J., Byun J., Nha K.</i></p>
	<p>P24-1043</p>	<p>Can arthroscopic medial meniscus root repair using a suture anchor restore subluxation and hoop tension of the medial meniscus?</p> <p><i>Lee C. (South Korea (ROK)), Chung D., Jung K., Lee S.</i></p>
	<p>P24-1097</p>	<p>All-arthroscopic technique of biological meniscal tear therapy with collagen membrane – early results</p> <p><i>Piontek T. (Poland), Ciemniewska-Gorzela Kinga, Szulc A., Naczk J., Jakob R.</i></p>

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- Biological reconstruction of the failing knee: experience of meniscus allograft transplantation with osteotomy, ligament reconstruction and articular cartilage repair
P24-1117 *Spalding T. (United Kingdom), Getgood A., Spencer S., Bird J., Thompson P.*
- Arthroscopic meniscal scaffold implantation: early clinical results at 20 months of follow-up
P24-1211 *Zorzi C. (Italy), Madonna V., Condello V., Cortese F., Giovarruscio R.*
- Hand-held ultrasound scanning diagnosis in acute knee injury
P24-1434 *Klos B. (Netherlands), Konijnenberg S.*
- Comparison between arthroscopic meniscal allograft transplantation and polyurethane scaffold implantation: Clinical outcome, reinterventions and implant intergrity after a minimum follow-up period of 2 years. A prospective clinical trial
P24-1437 *Verdonk P. (Belgium), Moens K., Willemot L., Tampere T., Verdonk R.*
- Early results after arthroscopic meniscus suture in patients with a “relative” indication
P24-1508 *Melinte P. (Romania), Rodica C., Niculescu D., Didu S., Mercut C.*

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- Width is more reliable than length in graft sizing using plain radiography prior to lateral meniscal transplantation
P25-10 *Bin S. (South Korea (ROK)), Lee B., Chung J., Kim J., Kim K.*
- Meniscectomy after failure of meniscal repair: a review of 37 cases
P25-24 *Pujol N. (France), Barbier O., Boisrenoult P., Beaufils P.*
- Midterm outcomes after meniscal allograft transplantation: comparison of cases with extrusion versus without extrusion
P25-30 *Bin S. (South Korea (ROK)), Lee D.*
- Meniscal healing after repair of chronic meniscal tears: a MRI arthrography assessment
P25-48 *Popescu D. (Spain), Diego R., Sastre S., Lozano L., Martinez-Pastor J., Macule F.*
- Radiological mid-term outcome after partial meniscus substitution using the collagen meniscal implant using MRI
P25-100 *Hirschmann M. (Switzerland), Keller Leonie, Schenk Larissa, Berbig R., Lüthi U., Arnold M.*

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- Morphologic changes in fresh-frozen meniscus over one year: a prospective magnetic resonance imaging study on the width and thickness of transplants
 P25-230 *Bin S. (South Korea (ROK)), Lee B., Kim J., Cho W.*
- Long term follow-up after meniscal repair
 P25-293 *Liantsis A. (Greece), Willberg Lotta, Engström B.*
- Pullout failure strength of the posterior horn of the medial meniscus with root ligament tear: a biomechanical study
 P25-401 *Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Han S.*
- Role of the mechanical axis of lower limb and body weight in the horizontal tear and root ligament tear of the posterior horn of the medial meniscus
 P25-404 *Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Han S.*
- Learning and retaining complex arthroscopic knee skills
 P25-567 *Khan T. (United Kingdom), Jackson W., Alvand A., Gill H., Price A., Rees J.*
- Probing forces of menisci: what levels are safe for arthroscopic surgery?
 P25-662 *Tuijthof Gabrielle (Netherlands), Horeman T., Schaferoth M., Blankevoort L., Kerkhoffs G.*
- MRI and clinical assessment of the contralateral knee of symptomatic discoid lateral meniscus
 P25-783 *Takigami J. (Japan), Hashimoto Y., Yamasaki S., Nakaura H.*
- The impact of free or restricted rehabilitation after meniscus repair. A prospective randomized clinical trial
 P25-808 *Lind M. (Denmark), Lund B., Faunoe P., Christiansen S.*
- Second-look arthroscopic findings after open wedging high tibia osteotomy of posterior root tears of the medial meniscus
 P25-820 *Nha K. (South Korea (ROK)), Kim J., Kwon J., Jang B., Lee H.*
- Treatment of meniscus horizontal tear
 P25-906 *Lee M. (South Korea (ROK)), Lee J., Lee S., Jang J., Chun S., Seong S.*
- Meniscal repair in soccer players using all-inside meniscal suture device. Long term results
 P25-945 *Alvarez P. (Spain), Llobet F., Nelson G., Steinbacher G., Ramon C.*
- Relationship between meniscal extrusion and two different fixation techniques in meniscal allograft transplantation
 P25-966 *Abat F. (Spain), Gonzalez-Lucena Gemma, Gelber P., Erquicia J., Pelfort X., Monllau J.*

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- Repair for radial tears of the midbody of the lateral meniscus using the new suture technique**
P25-1064 *Suzuki T. (Japan), Nakata K., Otsubo H., Watanabe K., Yamashita T.*
- The relationship of neural structures to arthroscopic posterior portals according to knee positioning**
P25-1067 *Lee S. (South Korea (ROK)), Ahn J.*
- The effectiveness of comprehensive physiotherapeutic programme in patients after AMMS (Arthroscopic Meniscus Membrane Suturing)**
P25-1247 *Prusinska Agnieszka (Poland), Piontek T., Ciemniowska-Gorzela Kinga, Naczek J., Grygorowicz Monika, Dudzi W.*
- Medial meniscal root repair – the biomechanical effectiveness of pull-out sutures**
P25-1315 *Röpke E. (Germany), Becker R., Lohmann C., Stärke C.*
- Meniscus transplantation and open wedge proximal tibia osteotomy in biologically young patients with varus axis of the knee and chondromalacy.**
P25-1359 *Pasa L. (Czech Republic), Kalandra S., Radek V., Kelbl M., Kuzma J.*
- Postoperative care and rehabilitation in patients after arthroscopic medial meniscus repair with polyurethane implants**
P25-1367 *Kurowska Emilia (Poland), Slynarski K., Piatkowski M.*
- Simulation training in arthroscopic surgery. A proficiency based training curriculum for arthroscopic skill acquisition**
P25-1423 *Vega R. (Chile), Iñiguez Magaly, Varas J., Padilla O., Vega Jr R.*

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- A pilot study of the use of an osteochondral scaffold plug for cartilage repair in the knee and how to deal with early clinical failures?**
P26-44 *Dhollander A. (Belgium), Liekens K., Almqvist K., Verdonk R., Verdonk P.*
- Autologous matrix-induced chondrogenesis combined with platelet-rich plasma gel**
P26-45 *Dhollander A. (Belgium), De Neve F., Almqvist K., Verdonk R., Verdonk P.*

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- P26-50 *Dhollander A. (Belgium), Verdonk P., Verdonk R., Almqvist K.*
 Mid-term results of the treatment of cartilage defects in the knee using alginate beads containing human mature allogenic chondrocytes
- P26-172 *Almqvist K. (Belgium), Van Lauwe J., Van der Bracht H., Verdonk R., Luyten F.*
 Longterm benefits comparing intra-articular betamethasone with sodium hyaluronate in patients with knee osteoarthritis
- P26-175 *Carvalho Jr L. (Brazil), Melo-Silva Jr O., Soares L., Temponi E., Jacques Gonçalves M., Costa L.*
 Long-term success in the treatment of diffuse pigmented villonodular synovitis of the knee with subtotal synovectomy and radiotherapy
- P26-209 *Raman R. (United Kingdom), Shaw C., Johnson G., Dutta A., Sharma H.*
 Long term management of knee osteoarthritis with hylan GF-20: Efficacy and safety of repeat treatments over 4 years
- P26-220 *Kon Elizaveta (Italy), Vannini Francesca, Buda R., Filardo G., Marcacci M., Giannini S.*
 How to treat osteocondritis dissecans of the knee: surgical techniques and new trends
- P26-240 *Hirschmann M. (Switzerland), Schoen S., Affi F., Rasch H., Arnold M., Friederich N.*
 Does the mechanical alignment correlate with the tracer uptake pattern and intensity in SPECT/CT? A retrospective series on 104 knees
- P26-289 *Ebert J. (Australia), Lloyd D., Ackland T., Wood D.*
 Isokinetic knee extensor strength deficit following matrix-induced autologous chondrocyte implantation
- P26-290 *Ebert J. (Australia), Meyerkort D., Fallon M., Ackland T., Zheng M., Wood D.*
 Clinical and radiological outcome following matrix-induced autologous chondrocyte implantation in the patellofemoral joint: 5 year results
- P26-424 *Enea D. (Italy), Calcagno S., Alberto B., Cecconi S., Manzotti Sandra, Gigante A.*
 Membrane-guided regeneration augmented with bone marrow concentrate (BMC) for cartilage repair in the knee. Histological results

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- P26-485 *Autologous chondrocyte implantation on the femoral condyles – Long term clinical and radiographic results*
Drobnic M. (Slovenia), Martincic D., Radosavljevic D.
- P26-608 *Comparison of „autologous chondrocytes in an agarose and alginate gel“ implantation versus Mosaicplasty: 1 year follow-up of a phase III clinical trial*
Potel J. (France), Robert H., Bussière C., Servien Elvire, Neyret P., Dubrana F.
- P26-671 *A pilot study of the use of a contoured articular prosthetic device as a salvage procedure for the treatment of focal cartilage defects in the knee*
Dhollander A. (Belgium), Vandekerckhove P., Moens K., Verdonk P., Almqvist K.
- P26-680 *Comparison of chondrotoxic effects of anaesthetics for arthroscopic application as single shot or repetitive use*
Patzer T. (Germany), Herten Monika, Kircher J., Ickert Irina, Vogl Melanie, Krauspe R.
- P26-697 *Long- term follow-up study of autologous chondrocyte implantation and survivorship analysis*
von Keudell A. (United States), Bryant T., Minas T.
- P26-751 *Knee arthroscopy on the internet: How well informed are your patients?*
Prinja A. (United Kingdom), Neffendorf J.
- P26-857 *Entrapment of TGF-β1 in photo-responsive hydrogels stimulated chondrocytes differentiation in bioreactor cultivation*
Chen L. (Taiwan), Chen C.
- P26-891 *Clinical results of the arthroscopic treatment in knee chondral defects – a 7 years clinical follow-up*
Tiberiu B. (Romania), Opris R., Bataga S, Voicu B., Melinte R., Ivanescu A.
- P26-910 *G-CSF and cartilage fragments. A potential new strategy for increasing chondrocyte outgrowth for one-stage repair. In vitro study*
Marmotti A. (Italy), Peretti G., Bruzzone M., Bonasia D., Rossi R., Castoldi F.
- P26-915 *Chondrogenic potential of haemarthrosis-derived MSC for cartilage repair after abrasion arthroplasty*
Hartz Claudia (Germany), Pries F., Lippross S., Pufe T., Seekamp A., Varoga D.

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- High tibial “open-wedge” oteotomy versus unicompartmental knee arthroplasty in unicompartmental knee joint osteoarthritis: 5- year follow up retrospective study

P26-925 Metzloff S. (Germany), Achtnich Andrea, Forkel P., Petersen W.

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- Autologous Membrane Induced Chondrogenesis for the treatment of chondral lesions in the knee. A retrospective clinical evaluation with mid-term results of 40 patients

P26-1112 de Girolamo Laura (Italy), Adravanti P., Schoenhuber H., Banchini P., Volpi P.

Wednesday
- Critical bone and osteochondral defects: An innovative approach using magnetic scaffold

P26-1120 Russo A. (Italy), Panseri Silvia, Sandri Monica, Tampieri Anna, Dediu V., Marcacci M.

Thursday
- All arthroscopic Autologous Matrix Induced Chondrogenesis cartilage reconstruction in the knee – early results

P26-1226 Ciemniewska-Gorzela Kinga (Poland), Piontek T., Szulc A., Naczki J.

Friday
- Long-term results of abrasion arthroplasty of the medial femoral condyle of the knee for full-thickness chondral defects

P26-1235 Sansone V. (Italy), Pascale V., de Girolamo Laura

Saturday
- Comparison of factors associated with early osteoarthritis vs. moderate to severe osteoarthritis of the knee

P26-1278 Briggs Karen (United States), Matheny Lauren, Steadman J., Rodkey W.

Saturday
- Miniprosthesis addressing cartilage lesions in the knee – are they usable?

P26-1389 Laursen J. (Denmark)

Saturday
- A tissue engineered osteochondral composite for cartilage repair: an in vivo study

P26-1393 Peretti G. (Italy), Sosio C., Deponti Daniela, Melato M., Di Giancamillo A., Gervaso Francesca

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- Microfracture treatment In athletes with knee grade IV chondral lesion – A 10 year follow up

P26-1430 Gobbi A. (Italy), Kumar A., Karnatzikos G.

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- P27-39 Osteochondritis dissecans of the knee. Autologous chondrocyte transplantation, in combination with corrective osteotomy of the lower limb
Goudelis G. (Greece), Samaras K.
- P27-65 Platelet-rich plasma in treatment of tibiofemoral chondromalacia
Hart R. (Czech Republic), Safi A., Komzák M., Jajtner P., Puskeiler M., Hartová Petra
- P27-69 Short-term outcome of the second generation characterized chondrocyte implantation for the treatment of cartilage lesions in the knee
Dhollander A. (Belgium), Verdonk P., Verdonk R., Almqvist K.
- P27-97 Results prediction of knee cartilage injuries treatment
Golovakha M. (Ukraine), Schabus R., Orjanski W.
- P27-120 The chondrotoxic effect of single-dose local anesthetics
Dragoo J. (United States), Braun Hillary, Kim Hyeon Joo, Golish S.
- P27-141 Specific compartmental analysis of cartilage status in patients with double bundle ACL reconstruction: a comparative study using a pre- and post-operative MRI
Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.
- P27-195 Prosthetic inlay resurfacing for the treatment of focal, full thickness cartilage defects of the femoral condyle: A bridge between biologics and conventional arthroplasty
Bollars P. (Belgium), Bosquet M., Vandekerckhove B., Bellemans J.
- P27-208 Safety, efficacy and outcome of 4400 patients treated with viscosupplementation for osteoarthritis of knee
Raman R. (United Kingdom), Shaw C., Sharma H., Johnson G., Dutta A.
- P27-448 The evaluation using T2 mapping and the pathological specimen for the degenerative change of articular cartilage of the knee joint
Tatsuhiko T. (Japan), Nakase J., Masahiro K., Yoshinori O., Hiroyuki T.
- P27-518 PRP injections versus viscosupplementation for early knee osteoarthritis: a randomized double-blind study
Filardo G. (Italy), Kon Elizaveta, Di Martino A., Patella S., Di Matteo B., Marcacci M.
- P27-577 Osteochondral regeneration in goat model using a new aragonite-hyaluronic acid bi-phasic implant
Kon Elizaveta (Italy), Zaslav K., Robinson D., Chorev Y., Eisman J., Levy A.

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- An extra-capsular load absorber as an early surgical option for patients with medial knee OA
P27-615 London N. (United Kingdom), Dahabreh Z., Waller C., Hayes D.
- Predicting symptomatic progression of osteoarthritis
P27-668 Ghodadra A. (United States), Sakamoto Flavia, Rajiah P., Winalski C., Miniaci A., Jones M.
- The evaluation of the pull out force between the osteochondral plug and the receiving tunnel in autologous osteochondral transplantation
P27-940 Fleaca R. (Romania), Roman M., Oleksik V., Pascu A.
- Newly developed nano-structural bio-mimetic scaffold for the treatment of osteochondral defects at the knee. Preliminary results
P27-970 Alevrogiannis S. (Greece), Skarpas G.
- Platelet Rich Plasma (PRP)- a new hope for degenerative lesions of the knee
P27-993 Gobbi A. (Italy), Kumar A., Karnatzikos G.
- The use of Agili-C, a novel aragonite-hyaluronate biphasic implant, in the regeneration of chondral and osteochondral defects – Initial clinical results
P27-1022 Drobnic M. (Slovenia), Kon Elizaveta, Widuchowski W., Zaslav K., Robinson D., Levy A.
- Positive reaction of bone and surrounding cartilage to a metal implant after 12 months in the sheep's knee
P27-1153 Ryd L. (Sweden), Martinez-Carranza N., Berg H., Nurmi-Sandh Hillka, Lagerstedt Ann-Sofie
- Radiosynoviorthesis improves functional outcome after arthroscopic synovectomy
P27-1289 Pompe B. (Slovenia), Suhodolcan L., Grmek M., Zupanc O.
- Synthetic polymer scaffolds vs microfracture: Two year follow-up prospective randomised trial
P27-1307 Camillieri G. (Italy), Calvisi V., Ferretti M.
- Outcomes and survivorship at 10 years following arthroscopic treatment package for osteoarthritis of the knee
P27-1313 Steadman J. (United States), Ellis H., Briggs Karen, Matheny Lauren

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- P28-12 Localized pigmented villonodular synovitis of the knee: Clinical and MRI outcome of arthroscopic treatment with mid term follow up
Loriaut P. (France), Djian P., Boyer T., Bonvarlet J., Delin C.
- P28-23 Does pre-op chondral damage predispose to subsequent patellofemoral arthritis? 10-15 year follow up results of athroscopic Elmslie-trillat osteotomy from Bristol
Naveed M. (United Kingdom), Ackroyd C., Porteous A.
- P28-201 'Basket weave technique' for MPFL reconstruction – a prospective study
Kodkani P. (India)
- P28-225 Atraumatic locked knee from superior dislocation of the patella-diagnosis and management of a rare injury
Siddiqui M. (Singapore), Tan M.
- P28-234 Correlation between different patella alta measurements in patients with and without patella-femoral instability
Said S. (Denmark), Faunoe P., Lund B., Christiansen S., Lind M.
- P28-295 Treatment of persistent patellofemoral instability after failed previous surgery
Kohn L. (Germany), Meidinger G., Beitzel K., Banke I., Banke I., Imhoff A., Schöttle P.
- P28-306 Initial validity and reliability of the Banff Patellar Instability Instrument (BPII)
Hiemstra Laurie (Canada), Lafave M., Kerslake Sarah, Heard S., Buchko G.
- P28-315 Displacing lateral meniscus masquerading as patella dislocation
Arendt Elizabeth (United States), Fontbote C.
- P28-316 Location of abnormally elevated T2-relaxtion values in patellar cartilage correlates with the degree of patella alta
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- Reconstruction of the knee extensor mechanism and free vascularized latissimus dorsi musculocutaneous flap for treating traumatic complete extensor loss with extensive soft tissue defect of the anterior aspect of the knee: A case report
 P28-340 *Otoshi K. (Japan), Kikuchi S., Numazaki H., Kobayashi H., Ejiri S., Konno S.*
- Tunnel positioning analysis post medial patellofemoral ligament reconstruction. Correlation with clinical outcomes
 P28-383 *Howells N. (United Kingdom), Barnett A., Eldridge J.*
- Medial patellofemoral ligament reconstruction – prospective outcome assessment of a large single centre series
 P28-392 *Howells N. (United Kingdom), Barnett A., Ansari A., Ahearn N., Eldridge J.*
- Medial patellofemoral ligament reconstruction for patellofemoral instability in patients with hypermobility
 P28-393 *Howells N. (United Kingdom), Eldridge J.*
- Medial patellofemoral ligament reconstruction: mid term results
 P28-515 *Schiavone Panni A. (Italy), Cerciello S., Vasso M.*
- Recalcitrant symptomatic synovial plica: validation of unique clinical exam findings and causal relationship to anterior knee pain
 P28-544 *Albright J. (United States), McCunniff P.*
- mpfl reconstruction with less implants in recurrent patella dislocations-first results in 15 consecutive patients
 P28-569 *Gatzka C. (Germany), Pap G.*
- Anatomic femoral tunnel position for medial patellofemoral ligament reconstruction
 P28-652 *Stephen Joanna (United Kingdom), Kader D., Lumpaopong Punyawan, Deehan D., Amis A.*
- Autologous chondrocyte Implantation to isolated patella defects
 P28-698 *von Keudell A. (United States), Bryant T., Minas T.*
- Bicompartmental knee arthritis: a prospective matched short term study using UKR + PFA
 P28-699 *Confalonieri N. (Italy), Manzotti A.*
- Patellofemoral realignment with medial patellofemoral ligament reconstruction as a novel procedure for correction of patellar maltracking after TKA in selected cases
 P28-754 *van Gennip S. (Netherlands), Schimmel Janneke, van Hellemond G., Wymenga A.*

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- P28-927 *MPFL – reconstruction with gracilis tendon for patellar instability – 3 years results*
Fechner A. (Germany), Godolias G., Meyer O.
- P28-941 *Incidence of cartilage lesions and early osteoarthritis in patients with patellar dislocation*
Scheffler S. (Germany), Vollnberg B., Koehlitz T., Hoburg A., Jung T., Diederichs G.
- P28-967 *The width: Thickness ratio of the patella and its relationship to pain and functional outcome post patellofemoral joint arthroplasty*
Eddie Leanne (United Kingdom), Hassaballa M., Robinson J., Porteous A., Murray J.
- P28-981 *Medial patellofemoral ligament avulsion injury from the patella: classification, surgical technique and clinical outcome*
Sillanpää P. (Finland), Mäenpää H., Pihlajamäki H.
- P28-1010 *Biologic arthroplasty in patello-femoral cartilage lesions*
Gobbi A. (Italy), Kumar A., Karnatzikos G. (Italy)
- P28-1016 *Long-term results of patello-femoral realignment procedures*
Drobnic M. (Slovenia), Vivod G., Strazar K., Zupanc O., Verdonk P.
- P28-1056 *J-sign, TT-TG, and dynamic MRI in establishing proper tibial tubercle transfer In patients with patellar instability*
Albright J. (United States), McDermott S.
- P28-1069 *Clinical outcome after MPFL reconstruction in primary patellar dislocation vs. salvage surgery*
Verdonk P. (Belgium), Mulliez A., Thibaut Ellen, Verbruggen D., Lambrecht Delphine, Victor J.
- P28-1106 *The isometric point for medial patellofemoral ligament reconstructions: An in vivo analysis using 3-dimensional computed tomography*
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- P28-1131 *Improved TTTG accuracy using 3D landmarks to compensate for misalignment*
Harris S. (United Kingdom), Cobb J.
- P28-1158 *Patello-femoral kinematics in relation to medial patello-femoral ,Ligament'*
Colle Francesca (Italy), Sharma B., Bignozzi S., Dejour D., Zaffagnini S.

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- In vitro measurement of native patella kinematics in different loading conditions and motor tasks

P28-1184 *Vandenneucker Hilde (Belgium), Labey L., Chevalier Y., Innocenti B., Victor J., Bellemans J.*
- The biomechanical relationship between Anterior Knee Pain Syndrome (AKPS) and Functional Hallux Limitus (FHL). A case series review

P28-1217 *Diehl S. (Switzerland), Vallotton J.*
- The value of the MPFL suture for acute patella luxation in consideration of risk factors

P28-1232 *Wagner D. (Germany), Loebig C., Pfalzer F., Huth J., Mauch F., Bauer G.*
- Long term results after arthroscopic suturing of the medial patello-femoral ligament in children after acute, first episode of patella dislocation

P28-1320 *Drwiega M. (Poland), Zdanowicz Urszula, Smigielski R.*
- The relation of the distal femoral physis and the medial patellofemoral ligament

P28-1324 *Nelitz M. (Germany), Lippacher Sabine, Dornacher D., Reichel H.*
- Analysis of failed surgery for patellar instability in children with open growth plates

P28-1340 *Woelfle Julia (Germany), Nelitz M., Lippacher Sabine, Reichel H.*
- Reconstruction of the lateral retinaculum after failed lateral release in case of patellofemoral instability – a prospective study

P28-1343 *Meidinger G. (Germany), Münch Marina, Beermann Insa, Banke I., Imhoff A., Schöttle P.*
- In vitro navigated kinematic validation of the tensioning of MPFL reconstruction

P28-1346 *Dejour D. (France), Sharma B., Lopomo N., Bignozzi S., Zaffagnini S.*
- MRI-Assessment of various contributing factors in patellofemoral instability with and without weight bearing

P28-1352 *Becher C. (Germany), Rase M., Callies T., Ettinger M., Siebert C., Ostermeier S.*
- Presence of trochlear dysplasia associated with less progression of tibiofemoral osteoarthritis following patellofemoral arthroplasty

P28-1481 *Dahm Diane (United States), Kalisvaart M., Slettedahl S.*
- Validation of a classification for patients with patellar instability

P28-1483 *Hiemstra Laurie (Canada), Lafave M., Kerslake Sarah, Heard S., Buchko G.*

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- P29-77 The effect of medial opening and lateral closing high tibial osteotomy on leg length
Servien Elvire (France), Lustig S., Demey G., Neyret P.
- P29-125 The role of high tibial osteotomy with ACL reconstruction in ACL-deficient varus knees with medial compartment OA: Systematic review
Anand A. (United Kingdom), Patel A., Anand B.
- P29-370 How much is the tibial width in a high tibial osteotomy important?
León Muñoz V. (Spain), Lisón Almagro A., Martínez Bravo Inmaculada, Ruiz Maciá D., Caiguelas Villa F.
- P29-445 Femoral opening wedge osteotomy for valgus knees. A prospective study with 5 years follow-up
Ekeland A. (Norway), Nerhus K., Dimmen S., Heir S.
- P29-447 Tibial opening wedge osteotomy for varus knees. A prospective study with 5 years follow-up
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- P29-555 Dome osteotomy with dome stabilizer – a patient friendly procedure
Kodkani P. (India)
- P29-589 Medial opening wedge high tibial osteotomy (OWHTO) for medial compartment overload/arthritis in the varus knee
Bonasia D. (Italy) Rossi R., Dettoni F., Castoldi F., Blonna D., Sito G.
- P29-649 The use of toothed plate in supracondylar femoral osteotomy to correct genu valgum
Abdel-Hamid M. (Egypt)
- P29-758 Simultaneous anterior cruciate ligament (ACL) reconstruction and medial opening wedge high tibial osteotomy (OWHTO).
Cox G. (United Kingdom), Thomas N., Wilson A.
- P29-759 Osteotomy around the knee & its effect on joint line obliquity at the ankle – a radiographic study
Cox G. (United Kingdom), Robin E., Thomas N., Wilson A.
- P29-819 The weight-bearing scanogram technique provides better coronal limb alignment than the navigation technique in open high tibial osteotomy
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- P29-959 Outcome of Distal femoral osteotomy – A surgeon's experience!
Desai A. (United Kingdom), Dawson M.
- P29-1244 Wedge volume and osteotomy surface depend on surgical technique for high tibial osteotomy
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- P29-1411 Clinical and radiological results of medial gonarthrosis treated with closed wedge high tibial osteotomy
Stegemann N. (Turkey), Erdogan F., Can A., Sankaya I.

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- P30-27 Extensor mechanism allograft reconstruction in TKA for ruptures or ankylosis
Baldini A. (Italy), Manfredini L., Summa P., Traverso F., Grappiolo G.
- P30-51 Behaviour of the synovial fluid cytokines after a total knee replacement in osteoarthritis
Popescu D. (Spain), Lozano L., Ares O., Martinez-Pastor J., Segur J., Suso S.
- P30-147 Floating platform total knee replacement. Prospective evaluation after 5 to 8 years
Schoenahl J. (France), Jenny J., Miehke R., Saragaglia D.
- P30-160 Computer navigated versus conventional total knee arthroplasty. Retrospective cohort study on prosthesis alignment and functional outcome in 100 LCS rotating platform TKA at mid term follow-up
Tolk J. (Netherlands), Koot H., Janssen R.
- P30-205 Femorotibial rotation is influenced by the position of the fibular head after implantation of a total knee prosthesis
Pfizzner T. (Germany), Matziolis G., Perka C.

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- Improvement of health-related quality of life after TKA.
Best results after bilateral TKA in one time
P30-386 *León Muñoz V. (Spain), Lisón Almagro A., Hernández García C.*
- CT based patient-specific cutting blocks for total knee arthroplasty:
Technique and preliminary radiological results
P30-454 *Koch P. (Switzerland), Müller D., Fucentese S.*
- A new spacer-guided PCL balancing technique results into good kinematics of an anatomically designed cruciate-retaining total knee arthroplasty
P30-523 *Heesterbeek Petra (Netherlands), Labey L., Wong P., Innocenti B., Wymenga A.*
- A novel reference axis that indicates axial alignment of distal tibia in total knee arthroplasty
P30-576 *Enomoto H. (Japan), Nakamura T., Shimosawa H., Niki Y., Toyama Y., Suda Y.*
- Conservative treatment of the spontaneous avascular necrosis of the knee in middle-aged patients
P30-587 *Marcheggiani Muccioli G. (Italy), Grassi A., Bonanzinga T., Nitri M., Zaffagnini S., Marcacci M.*
- Analysis of different stem lengths and fixation techniques in hinged total knee arthroplasty
P30-609 *Fuchs-Winkelmann Susanne (Germany), El-Zayat B., Heyse T., Fanciullacci N., Yan C., Innocenti B.*
- Hip abductors strength: reliability and association with physical function after unilateral total knee arthroplasty
P30-676 *Alnahdi A. (United States), Zeni J., Snyder-Mackler Lynn*
- Computer assisted UKR: a prospective randomized study at a short term follow-up
P30-703 *Confalonieri N. (Italy), Manzotti A.*
- Accuracy of a MRI based patient matched cutting jigs technology in TKA: Evaluation with navigation
P30-856 *Ferretti A. (Italy), Conteduca F., Iorio R., Caperna L., Mazza D., Di Sette Priscilla*

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| | <p>Comparison of accuracy between a MRI based patient matched cutting jigs and the EM tibial guides</p> <p>P30-863 <i>Conteduca F. (Italy), Ferretti A., Iorio R., Mazza D., Caperna L., Di Sette Priscilla</i></p> | Timetables |
| | <p>Does total knee arthroplasty design affect proprioception, balance, strength and clinical outcome: a comparative study between posterior cruciate-stabilizing and posterior cruciate-retaining TKA</p> <p>P30-902 <i>Vandekerckhove P. (Belgium), Parys R., Dhollander A., Stevens Nikita, Van den Daelen L., Verdonk P.</i></p> | |
| | <p>Clinical, functional, and radiological outcomes in computer-assisted total knee replacement: comparison between two prosthetic designs</p> <p>P30-911 <i>Catani F. (Italy), Digennaro V., Grandi G., Mugnai R., Marcovigi A.</i></p> | Wednesday |
| | <p>Five to nine years results of high flexion fixed bearing total knee arthroplasty: how many knees survived?</p> <p>P30-912 <i>Lee M. (South Korea (ROK)), Kim D., Lee S., Jang J., Chun S., Seong S.</i></p> | Thursday |
| | <p>Analysis of the knee joint kinematics and muscle activity during gait in patients with total knee replacement</p> <p>P30-929 <i>Hajduk G. (Poland), Sobota G., Nowak Karina, Bacik B., Kusz D., Kopec K.</i></p> | |
| | <p>Genu recurvatum versus fixed flexion deformity after total knee arthroplasty – which is the lesser evil?</p> <p>P30-1020 <i>Koo K. (Singapore), Amila S., Chin P., Chia S., Lo N., Yeo S.</i></p> | Friday |
| | <p>Assessment of joint gap for mid-flexion (45°) and hyper-flexion (120°) during navigation-assisted TKA</p> <p>P30-1050 <i>Yang J. (Korea, Democratic People's Republic of (North Korea)), Yoon J., Oh K., Oh C., Lim H., Kim Y.</i></p> | |
| | <p>Comparison of total knee arthroplasty using patient specific instruments versus conventional instruments</p> <p>P30-1054 <i>Lee M. (South Korea (ROK)), Lee S., Jang J., Chun S., Roh Y., Seong S.</i></p> | Saturday |
| | <p>Improved metaphyseal fixation of revision total knee arthroplasty with metal modular augments fixed to the bone instead of the tibial baseplate</p> <p>P30-1085 <i>Baldini A. (Italy), Manfredini L., Traverso F., Grappiolo G.</i></p> | |

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- P30-1127 Cemented versus cementless fixation in Oxford unicompartmental knee arthroplasty at five years: A randomised controlled trial
Dodd C. (United Kingdom), Pandit H., Liddle A., Price A., Gill H., Murray D.
- P30-1149 Fitness of the femoral components of total knee arthroplasty with distal femoral cut surfaces in Korean women
Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.
- P30-1150 Effect of accompanying diseases on the quality of life results after total knee arthroplasty
Bilgic E. (Turkey), Murat A., Bostan B., Tas F., Gunes T., Erkorkmaz U.
- P30-1180 Comparison of the changes in the patellar tendon thickness with flexion between meniscal bearing and rotating platform design prosthesis
Takeda M. (Japan), Ishii Y., Noguchi H., Sato J.
- P30-1183 Effects of component malpositioning and soft-tissue balancing in Total Knee Arthroplasty kinematics
Pianigiani Silvia (Italy), Chevalier Y., Labey L., Pascale W., Innocenti B.
- P30-1218 Five RSA studies to study the safety of the triathlon TKA system – a case for phased innovation in orthopaedics
Garling E. (Sweden), Molt M., Toksvig-Larsen S.
- P30-1299 Effect of polyethylene crosslinking and bearing design on wear of unicompartmental arthroplasty
Streicher R. (Switzerland), Netter J., Hermida J., D'Alessio J., Kester M., D'Lima D.
- P30-1488 Effect of posterior condyle of femur on extension gap during primary TKA
Seo S. (South Korea (ROK)), Kim C., Kim J., Jung D.

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P31-158	Leg alignment and tibial slope after minimal invasive total knee arthroplasty: A prospective randomized radiological study of intramedullary versus extramedullary tibial instrumentation (doi.org/10.1016/j.knee.2011.04.007) <i>Janssen R. (Netherlands), Kroon de Karin, Houterman Saskia</i>
P31-179	Is chondromalacia patella contraindicated to unicompartmental knee arthroplasty? <i>Song M. (South Korea (ROK))</i>
P31-288	New high flexion design does not improve maximal flexion in total knee arthroplasty: a randomized controlled trial <i>Schimmel Janneke (Netherlands), Wymenga A., Defoort K., van Hellemond G.</i>
P31-459	Is it safe to use unconstrained TKA in UKA revision surgery? <i>Weber P. (Germany), Müller P., Pietschmann M., Wohlleb Lisa, Jansson V.</i>
P31-626	Is navigation a useful tool in unicompartmental knee arthroplasty? A meta-analysis of the current literature <i>Weber P. (Germany), Crispin A., Utzschneider Sandra, Pietschmann M., Jansson V., Müller P.</i>
P31-651	No effect of knee joint icing on knee-extension strength or knee pain shortly after total knee arthroplasty. A randomized cross-over study <i>Holm Bente (Denmark), Husted H., Kehlet H., Bandholm T.</i>
P31-667	Joint line reconstruction in medial unicompartmental knee arthroplasty: development of a measurement method and comparison of 2 prostheses with different gap management <i>Weber P. (Germany), Müller P., Schröder C., Utzschneider Sandra, Pietschmann M., Jansson V.</i>
P31-896	Lessons learned with 226 consecutive journey knee replacements – learning curve and complication rate <i>Christen B. (Switzerland), Aghayev E., Rieger B., Neukamp Michal Sarah</i>
P31-1083	Is indication for revision TKA a determinant for outcome? A cohort of 224 patients with a minimum follow-up of 2 years <i>Schimmel Janneke (Netherlands), van Kempen R., Vandenneucker Hilde, Wymenga A., van Hellemond G., Defoort K.</i>

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- P31-1258** Is the posterior offset of femoral condyles related to the sagittal tibial slope?
Cinotti G. (Italy), Sessa P., Ripani Francesca Romana, Della Rocca A., Salustri W.
- P31-1267** Kinematic analysis of a three condyles prosthesis design
Colle Francesca (Italy), Bignozzi S., Lopomo N., Zaffagnini S., Marcacci M.

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Miyamoto S. (Japan), Kosugi M., Sasaki S., Kojin H., Suga J., Hamahata T.
- P32-76** Residual varus alignment does not compromise results of TKAs in patients with preoperative varus
Servien Elvire (France), Magnussen R., Lustig S., Demey G., Neyret P.
- P32-83** The accuracy of lower extremity alignment in total knee arthroplasty using navigation system – data analysis of 661 cases
Park H. (South Korea (ROK)), Lee J.
- P32-109** Outcomes of unicondylar knee arthroplasty in patients with severe deformity – A minimum 2 year follow up study
Seng C. (Singapore), Ho D., Chin P., Lo N., Chia S., Yeo S.
- P32-143** Oxford knee questionnaire. Is information identically informative before and after knee replacement?
Schoenahl J. (France), Jenny J., Louis P.
- P32-173** Targeted thromboprophylaxis in knee arthroplasty – an audit of 5544 patients
Cox G. (United Kingdom), Pearce Andrea, Britton J., Thomas N., Wilson A., Rossiter N.
- P32-200** Physical activity and outcomes thirty months after revision total knee replacement
Núñez Montserrat (Spain), Nuñez Esther, Sastre S., Lozano L., Segur J., Sauló Anna
- P32-275** Patellar tilt and thickness in a high-flex design total knee arthroplasty – do they influence the postoperative flexion?
Verdonk P. (Belgium), Dhollander A., Bassens D., Victor J.

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- The influence of the instrumentation system in the postoperative posterior condylar offset of TKA
 P32-369 *León Muñoz V. (Spain), Lisón Almagro A., Escámez Pérez Á., González Garro J.*
- Unicompartmental knee replacement. Mid-term results with ZUK prosthesis
 P32-387 *Schiavone Panni A. (Italy), Vasso M., Cerciello S., Felici A.*
- Vitamin C plasma values reduced after orthopaedic surgical intervention in patients with total knee arthroplasty and prosthesis revision operation
 P32-423 *Lengnick H. (Switzerland), Giesinger K., Kuster M., Behrend H.*
- Patellar height after reconstruction of the extensor mechanism with allograft in total knee arthroplasty
 P32-428 *Valentí A. (Spain), Llombart R., Diaz de Rada P., Mora G., Valentí J.*
- Use of Tantalum in total knee arthroplasty in severe and morbidly obese patients (BMI > 35kg/m²)
 P32-497 *Lozano L. (Spain), Popescu D., Sastre S., Segur J., Martinez-Pastor J., Macule F.*
- Posterior condylar offset and tibiofemoral contact point do not influence outcome and range of motion in a mobile bearing total knee arthroplasty
 P32-535 *Hesterbeek Petra (Netherlands), Geysen G., van Stralen G., Anderson P.G., Wymenga A.*
- Problems, obstacles and complications in more than 800 computer assisted knee arthroplasties
 P32-705 *Confalonieri N. (Italy), Manzotti A.*
- Unicompartmental knee resurfacing vs. segmental bicompartmental knee resurfacing vs. total knee arthroplasty: A comparison of clinical outcomes at 2 years follow-up
 P32-778 *Al-Dadah O. (United Kingdom), Hawes Georgina, Chapman-Sheath P., Tice J., Barrett D.*
- Semimembranosus release as second stage of soft tissue balancing in varus total knee arthroplasty
 P32-811 *In Y. (South Korea (ROK))*

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‘Two radius area contact’ – posterior stabilized total knee arthroplasty. Short and long term results
- P32-887 *Messlerli G. (Switzerland), Fritschy D.*
Patient-specific cutting block in TKR: comparison between CT and MRI 3D planning
- P32-895 *Lempainen L. (Finland), Leino O., Mokka J., Seppanen M., Virolainen P., Makela K.*
Periprosthetic fractures of the distal femur – results of operative treatment in a single center
- P32-904 *Christen B. (Switzerland), Rieger B., Aghayev E., Neukamp Michal Sarah*
Radiological evaluation of 226 consecutive journey knee replacements – conventional versus computer navigated surgery
- P32-936 *Fechner A. (Germany), Meyer O., Godolias G.*
Retrograde femoral nailing of periprosthetic femoral fractures after total knee joint endoprosthesis replacement
- P32-983 *Bruni D. (Italy), Iacono F., Raspugli G., Io Presti M., Zaffagnini S., Marcacci M.*
Unicompartmental knee arthroplasty for spontaneous osteonecrosis of the knee: 10-years survivorship and long term clinical results
- P32-1051 *Chen J. (Singapore), Lo N., Yeo S.*
One-stage versus two-stage bilateral unicompartmental knee arthroplasty: A comparison of post-operative complications and functional outcome
- P32-1057 *Zadoroznijs S. (Latvia)*
The reliability and accuracy of knee implants sizing predicted by digital templating
- P32-1081 *Baldini A. (Italy), Manfredini L., Ceruli Mariani P., Pisaneschi A.*
Testing high performance after knee arthroplasty: a new objective functional score
- P32-1092 *Verra W. (Netherlands), de Craen A., Jaspars C., Maier Andrea, Nelissen R.*
Total joint replacement in the past does not relate to a deteriorated functional level and health status in the oldest old
- P32-1118 *Keller R. (United Kingdom), Hirschmann M., Friederich N., Hansen U., Amis A.*
Utilisation of finite element analysis to predict elevated bone metabolic activity in patients with painful total knee arthroplasty

P32

KNEE – TOTAL JOINT REPLACEMENT

- | | | |
|--|--|------------|
| | <p>P32-1147 Usefulness of medial tibial condylar resection in total knee arthroplasty
<i>Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.</i></p> | |
| | <p>P32-1194 Preoperative assisted navigation for total knee arthroplasty (TKA): Preliminary results
<i>Sansone V. (Italy), Ursino N., Bonora Cristina</i></p> | Timetables |
| | <p>P32-1237 Should the presence of menisci be considered when measuring the posterior tibial slope in total knee arthroplasty?
<i>Cinotti G. (Italy), Sessa P., Ripani Francesca Romana, Della Rocca A., Salustri W.</i></p> | |
| | <p>P32-1257 Quadriceps inhibition and physical function after unilateral total knee arthroplasty
<i>Alnahdi A. (United States), Zeni J., Snyder-Mackler Lynn</i></p> | Wednesday |
| | <p>P32-1330 The relationship of joint line and flexion/extension axes of the knee to the mechanical axis in the coronal plane
<i>Streicher R. (Switzerland), D'Alessio J., Patel Amisha, Kester M., Jacofski D.</i></p> | |
| | <p>P32-1347 Periprosthetic fractures following total knee replacement. A 17 cases review
<i>Ares O. (Spain), Prat S., Carreño Ana, Camacho Pilar, Garcia R., Zumbado A.</i></p> | Thursday |
| | <p>P32-1489 Novel anatomical landmark for rotational alignment of tibial component in TKA
<i>Seo S. (South Korea (ROK)), Kim C., Kim Y., Jung D.</i></p> | |
| | <p>P32-1497 Rehabilitation after Total Knee Arthroplasty – an evaluation of different regimes
<i>Radtke Kerstin (Germany), Stukenborg-Colsman Christina, Thomson M., Virolainen P., Guerado E., Hinarejos P.</i></p> | Friday |
| | <p>P32-1502 Two-stage revision of infected total knee arthroplasty: Mid-term results
<i>Celik D. (Turkey), Kilicoglu Ö., Tözün R., Yazicioglu Ö.</i></p> | |
| | <p>P32-1503 Two-stage revision of infected total hip arthroplasty: Mid-term results
<i>Celik D. (Turkey), Cil Hilal, Kilicoglu Ö., Yazicioglu Ö., Tözün R., Gülcenc B.</i></p> | Saturday |
| | <p>P32-1505 Prospective comparison of tensioned gaps versus posterior condylar referencing in determining femoral component rotation in TKA
<i>Luyckx T. (Belgium), Victor J., Peeters T., Vandenneucker Hilde, Bellemans J.</i></p> | |

P32

KNEE – TOTAL JOINT REPLACEMENT

- P32-1512** Ten year survival after unicompartmental knee arthroplasty
Bontemps G. (Germany), Schlüter-Brust K.
- P32-1516** Medial unicompartmental arthroplasty with a mobile bearing implant: Clinical and radiographic results of 463 knees at a Canadian center
Burnett R. (Canada), Nair R., Jacks D., Hall Christine, McAllister Megan

P33

LEG/ANKLE

- P33-16** A hybrid anatomic lateral ankle reconstruction: ATFL autograft with plication of the CFL
Murawski C. (United States), Kennedy J.
- P33-17** Functional and quantitative T2-mapping results of autologous osteochondral transplantation in 72 patients
Murawski C. (United States), Kennedy J.
- P33-18** Chevron-type medial malleolar osteotomy: A functional, radiographic and quantitative T2-mapping MRI analysis
Lamb J. (United States), Murawski C., Deyer T., Kennedy J.
- P33-31** A single platelet-rich plasma injection for the treatment of chronic insertional Achilles tendinopathy
Murawski C. (United States), Newman H., Kennedy J.
- P33-124** Simultaneously performed ankle arthroscopy and hindfoot endoscopy for the treatment of severe ankle impingement
Sasahara J. (Japan), Takao M., Matsushita T.
- P33-221** Bipolar fresh total osteochondral allograft: why, where, when
Giannini S. (Italy), Buda R., Cavallo M., Ruffilli A., Neri Simona, Vannini Francesca
- P33-352** Computertomographic evaluation of frontal talar edge configuration for osteochondral plug transplantation
Wiewiorski M. (Switzerland), Höchel S., Nowakowski A., Valderrabano V.
- P33-355** Comparison of active and passive measurements of ankle proprioception in healthy individual
Unal M. (Turkey), Baydar Meltem, Gulbahar Selmin, Akalin Elif, Akseki D., Pinar H.

P33
LEG/ANKLE

	<p>P33-400</p> <p>Comparison of clinical and radiological results in minimally invasive plate osteosynthesis for distal tibial fractures – conventional versus anatomically percutaneous wiring reduction technique</p> <p><i>Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Hwang J.</i></p>	
	<p>P33-414</p> <p>Histologic evaluation of anterior talofibular ligament diagnosed as chronic lateral injury of ankle joint and comparison to arthroscopic finding</p> <p><i>Miyamoto W. (Japan), Takao M.</i></p>	Timetables
	<p>P33-481</p> <p>CT assessment of the fusion rate after posterior subtalar arthrodesis</p> <p><i>Thaunat M. (France), Bajard X., Boisrenoult P., Beaufilets P., Oger P.</i></p>	
	<p>P33-635</p> <p>Cartilage reconstruction in the foot and ankle</p> <p><i>Thermann H. (Germany), Suezzer Ferzan, Feil S.</i></p>	Wednesday
	<p>P33-839</p> <p>The status of ankle joint at the time of implant removal after malleolar fractures. An arthroscopic study</p> <p><i>Chouliaras V. (Greece), Christogiannis C., Plakoutsis S., Kopsidas S., Grestas A.</i></p>	
	<p>P33-865</p> <p>Impairment of sensory motor control in functionally instable ankle joint</p> <p><i>Pisanu F. (Italy), Verderosa V., Di Monda A., Santandrea A., Marcialis Valentina, Deriu Franca</i></p>	Thursday
	<p>P33-905</p> <p>Metaphyseal locking compression plate as an external fixator for the distal tibia</p> <p><i>Tulner S. (Netherlands), Kloen P.</i></p>	
	<p>P33-909</p> <p>The ability to perform a single heel-rise is significantly related to patient reported outcome 12 weeks after an Achilles tendon rupture</p> <p><i>Olsson N. (Sweden), Karlsson J., Eriksson B., Lundberg Mari, Silbernagel Karin</i></p>	Friday
	<p>P33-1005</p> <p>Traumatic osteochondral lesions of the talus treated arthroscopically with microfractures and arthroscopic four step treatment for ankle instability</p> <p><i>Ventura A. (Italy), Terzaghi Clara, Legnani C., Acquati Lozej J., Borgo E.</i></p>	
	<p>P33-1154</p> <p>All arthroscopic Autologous Matrix Induced Chondrogenesis cartilage reconstruction open technique in the ankle – early results</p> <p><i>Ciemniewska-Gorzela Kinga (Poland), Piontek T., Szulc A., Naczek J.</i></p>	Saturday
	<p>P33-1273</p> <p>Lower limb muscle activity during high-heeled vs. low-heeled gait</p> <p><i>Kjartansdottir Inga (Iceland), Arnadottir Asdis, MagnUSDottir Sigridur, Briem Kristin</i></p>	

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P33

LEG/ANKLE

- P33-1391 *Microfracture in the treatment of osteochondral defects of the talus: Clinical results at an average follow-up of 9 years with T2-mapping at 3 Tesla*
Becher C. (Germany), Zuehlke D., Plaass C., Ewig M., Stukenborg-Colsman Christina, Thermann H.
- P33-1409 *Bone volume of an osteochondral talar defect after debridement and microfracturing: A new method to quantify bone volume changes*
Reilingh M. (Netherlands), Gerards R., Streekstra G., Jonges R., Blankevoort L., van Dijk C.
- P33-1458 *Loose bodies are consistently present after scopic debridement and microfracturing of osteochondral talar defects*
Reilingh M. (Netherlands), van Bergen C., Gerards R., van Dijk C.

P34

FOOT

- P34-354 *Osteochondral plug transplantation for treatment of stage III or IV Freiberg disease*
Miki S. (Japan), Takao M., Miyamoto W., Yasui Y., Innami K., Matsushita T.
- P34-502 *New endoscopic approach for the treatment of plantar fasciitis*
Komatsu F. (Japan), Takao M., Innami K., Miyamoto W., Nakajima K., Matsushita T.
- P34-584 *Comparison of screw-fixation stabilities of first metatarsal shaft osteotomies: a biomechanical study*
Unal M. (Turkey), Baran O. †, Uzun B., Turan A.
- P34-746 *Comparing unstable shoes versus low dye taping and insoles as treatment for plantar fasciitis*
Rúnarsson B. (Iceland), Briem Kristin, Magnússon R., Árnason Á.
- P34-1052 *The expectation of a return to play in 6 weeks following fifth metatarsal fracture in professional footballers – clinical reality or media inaccuracy?*
Jain N. (United Kingdom), Tucker H., Murray D., Calder J.
- P34-1189 *A Multi-segment model study to evaluate the sagittal plane blockade in patients with Functional Hallux Limitus (FHL): Results after endoscopic tenolysis of the Flexor Hallucis Longus (Fhl) at the retrotalar pulley*
Vallotton J. (Switzerland), Diehl S., Boulos K., Rouhani H., Aminian K.
- P34-1390 *Predictive variables of clinical outcome of osteochondral autologous transplantation in osteochondritis dissecans of the talus*
Woelfle Julia (Germany), Reichel H., Nelitz M.

**P35
MUSCLE**

- P35-648 Low molecular weight dextran sulfate improves human myoblasts survival after intramuscular transplantation in mice
Laumonier T. (Switzerland), Hoffmeyer P., Menetrey J.
- P35-801 Operative treatment of complete rectus femoris muscle ruptures in athletes
Lempainen L. (Finland), Sarimo J., Mattila K., Heikkilä J., Orava S.
- P35-807 The influence of mouthguards on muscular performance
Machado T. (Portugal), Pereira R., Cervaens Mariana
- P35-1192 Experimental study on the influence of Intramuscular injection of Plasma Rich Growth Factors in serum Insuline like Growth Factors-I (IGF-I) and C-Reactive Protein (CRP) in the DOG
Rubio-Zaragoza Monica (Spain), Damia Elena, Ceron J., Cugat Bertomeu R., Garcia-Balletbo Montserrat, Carrillo J.

**P36
TENDON**

- P36-499 The effect of deep friction massage on the Achilles tendon blood flow
Mahieu N. (Belgium), Pattyn E., Maenhout Annelies, Witvrouw E.
- P36-557 Platelet-rich plasma as a treatment for patellar tendinopathy: a double-blind randomized controlled trial
Dragoo J. (United States), Wasterlain Amy, Braun Hillary
- P36-625 Intermittent pneumatic compression enhances metabolic activity in human Achilles tendon repair
Ackermann P. (Sweden), Arverud Erica, Nilsson G., Labruto F., Bring D.
- P36-640 Histological study of the influence of Plasma Rich in Growth Factors (PRGF) in a model of tenotomized Achilles tendon in sheep
Fernandez-Sarmiento J. (Spain), Dominguez Perez J., Granados Maria Mar, Martin de las Mulas Juana, Millan Yolanda, Garcia-Balletbo Montserrat
- P36-873 A five year follow-up study of Alfredson's heel-drop exercise programme in chronic midportion Achilles tendinopathy
Tol J. (Qatar), Van Der Plas Annelies, van Der Heide H., Verhaar J., de Vos R., De Jonge Suzan
- P36-882 Bioresorbable polylactide (PLA) beads promote tendon healing in the bone tunnel
Ficek K. (Poland), Wieczorek J., Stodolak E., Kajor M., Koseniuk Y.

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P36 TENDON

- Endoscopic treatment of the tendinopathy of the Achilles tendon**
P36-888 *Zazirnyi I. (Ukraine), Yevsyeyenko V., Rybka V., Grigoreva Yulia*
- Proprioception impairment after endoscopically guided percutaneous Achilles tendon repair is related to perceived ankle-foot stiffness**
P36-935 *Kaya Defne (Turkey), Doral M., Donmez G., Turhan E., Atay O., Nyland J.*
- The positive effects of different PRP methods on human muscle, bone, and tendon cells**
P36-965 *Beitzel K. (Germany), McCarthy Mary Beth, Cote M., Russell R., Arciero R., Mazzocca A.*
- Platelet rich plasma injection after arthroscopic rotator cuff tear repair**
P36-1096 *Franceschi F. (Italy), Papalia R., Franceschetti E., Palumbo A., Denaro V., Maffulli N.*
- Fokused shockwave therapy for the treatment of chronic plantar fasciitis: A randomized comparative experimental study**
P36-1287 *Rydberg Birgitta (Sweden), Westin Maria, Heijne Annette*
- The collagen III expression analysis using subcutaneous ruptured EPL tendon**
P36-1304 *Sasaki K. (United States), Kunamneni A., Sinai A., Kamineneni S.*
- Substitution of patellar tendon by Achilles allograft in knee arthroplasty**
P36-1337 *Ares O. (Spain), Segur J., Lozano L., Popescu D., Sastre S., Macule F.*
- The effect of hydrogen peroxide treatment on human tendon allograft**
P36-1414 *Gardner E. (Australia), Vonder-Heide Nadine, Fisher R., Brooker G., Yates P.*
- Postoperative functional rehabilitation after repair of quadriceps tendon ruptures – a comparison of two different protocols**
P36-1450 *Langenhan R. (Germany), Baumann M., Hohendorff B., Probst A., Badtke A., Trobisch P.*

P37

SPORT SPECIFIC INJURIES

P37-188	Ulnar nerve injuries at avulsion fractures internal epicondyle of humerus at young sportsmen (treatment & prognosis) <i>Kuksov V. (Russian Federation)</i>
P37-199	'Popliteus sling' reconstruction for posterolateral rotatory instability of knee - A prospective study <i>Kodkani P. (India)</i>
P37-300	Experimental research of magnesium alloys resorption of in-vitro <i>Golovakha M. (Ukraine), Cherny V., Yatsun E.</i>
P37-475	Wheel gymnastic injuries in amateurs and professionals <i>Kauther M. (Germany), Rummel Silvia, Hussmann B., Burggraf M., Lendemans S., Wedemeyer C.</i>
P37-606	Peroneal nerve palsy due to compression by a neural cyst: recovery after nerve preserving resection and tibio-fibular joint arthrodesis <i>Löcherbach C. (Switzerland), Piasecki K.</i>
P37-614	Arthroscopic treatment of jumper's knee in professional athletes <i>Pascarella F. (Italy), Di Salvatore M., Latte C., Pascarella A.</i>
P37-721	Magnetic resonance imaging of asymptomatic knees in collegiate basketball players: the effect of 1 season of play <i>Safran M. (United States), Pappas G., Vogelsong Melissa, Staroswiecki E., Gold G.</i>
P37-756	Gender based differences in outcomes following ACL reconstruction in soccer athletes from MOON cohort <i>Brophy R. (United States), Schmitz Leah, Wright R., Spindler K.</i>
P37-809	Early results of management and outcome of open reduction and internal fixation of acute large osteochondral fractures of the patello-femoral joint using bio-absorbable pins <i>Veravalli K. (United Kingdom), Davies A.</i>
P37-810	Patella tendonitis in the elite professional footballer <i>Jain N. (United Kingdom), Kemp S., Murray D.</i>
P37-951	Knee injuries in elite professional footballers: The findings of one English premier league team <i>Jain N. (United Kingdom), Murray D., Kemp S.</i>
P37-1035	Standardising the assessment of collateral knee ligament laxity <i>Wilson W. (United Kingdom), Deakin Angela, Picard F., Riches P., Clarke J.</i>

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Posters

P37

SPORT SPECIFIC INJURIES

- P37-1119 Proximal avulsion of rectus femoris muscle: Presentation, treatment and outcome in 19 patients
Sarmah S. (United Kingdom), Fayad T., Haddad F.
- P37-1136 Occult lateral tibia plateau fractures in low energy knee injury
Abrassart Sophie (Switzerland), Fritschy D., Uckay I., Hoffmeyer P., Menetrey J.
- P37-1143 Systematic video analysis of ACL injury mechanisms in soccer – a gender comparison
Brophy R. (United States), Stepan J., Silvers Holly, Mandelbaum B.
- P37-1160 Studies of the myotendinous junction in humans by histology and transmission electron microscopy indicate that this structure undergoes constant remodelling
Knudsen A. (Denmark), Kjær-Hansen Karin, Mackey-Sennels Abigail, Qvortrup K., Kjaer M., Krogsgaard M.
- P37-1216 Pre-patellar friction syndrome: A new clinical entity causing anterior knee pain in high-level cyclists
Claes S. (Belgium), Claes T., Bellemans J., Claes T.
- P37-1242 Snapping Hip Syndrome: Importance of the dynamic echographic study
Monteiro E. (Portugal), Torres J., Silva S., Moura-Gonçalves A., Pinto R.
- P37-1245 Biomechanical study of different suspension devices (cortical and cortico-cancellous) used for ACL reconstruction.
Maestro A. (Spain), Garcia Suarez T., Rodriguez Cristina, Rodriguez L.
- P37-1265 Biomechanical analysis of different interference screw used in the ACL reconstruction
Maestro A. (Spain), Garcia Suarez T., Rodriguez Cristina, Rodriguez L., Fernandez Lombardia J.
- P37-1270 Incidence and prognosticators for injuries in Belgian soccer players: evolution over the past decade.
Bollars P. (Belgium), Vanlommel L., Claes S., Corten K., Bellemans J.
- P37-1274 Stress fracture in youth elite athletes
Tállay A. (Hungary)

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SPORT SPECIFIC INJURIES

- | | | |
|--|----------|---|
| | | Sports medical experiences with a U12-U15 Football Academy. Incidence of injuries in a 1 year period |
| | P37-1279 | <i>Tállay A. (Hungary), Pavlik A.</i> |
| | | Arthroscopic treatment of lateral tibial plateau fractures |
| | P37-1388 | <i>Savvidis M. (Greece), Bisbinas I., Georgiannos D., Theodoroudis I., Gouvas G.</i> |
| | | The injury incidence in elite female soccer in Iceland |
| | P37-1394 | <i>Árnason Á. (Iceland), Magnússon T., Sveinsson T.</i> |
| | | Injuries in Downhill-Mountain biking – a high risk sport ? |
| | P37-1395 | <i>Fehske K. (Germany), Eden L., Meffert R.</i> |
| | | Prolotherapy use in medial collateral ligament injuries of the knee: The findings of one English premier league team |
| | P37-1415 | <i>Jain N. (United Kingdom), Murray D., Kemp S.</i> |
| | | Isolated ankle syndesmosis injuries in elite professional footballers: Mechanism (using video analysis), investigations and treatment |
| | P37-1442 | <i>Jain N. (United Kingdom), Murray D., Kemp S., Calder J.</i> |
| | | Utilization of platelet rich plasma (prp) in orthopaedic practice: Clinical and biological analysis of therapeutic effectiveness |
| | P37-1444 | <i>Franceschi F. (Italy), Papalia R., Zampogna B., Nobile C., Tirindelli M., Denaro V.</i> |
| | | MRI findings in dominant and nondominant shoulders of asymptomatic elite handball players |
| | P37-1472 | <i>Leyes M. (Spain), Flores C., Gonzalez Maria</i> |
| | | Arthroscopic treatment of the arthritic ankle of the soccer player at the end of his career: is it worth? |
| | P37-1473 | <i>Osti L. (Italy), Papalia R., Barca F., Del Buono A., Maffulli N., Denaro V.</i> |
| | | The high-level gymnasts shoulder; results of surgical treatment |
| | P37-1513 | <i>Boileau P. (France), Gendre P., Moineau G.</i> |
| | | The high-level gymnasts shoulder; epidemiology and anatomical lesion |
| | P37-1514 | <i>Boileau P. (France), Gendre P., Moineau G.</i> |

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Posters

P38

INJURY PREVENTION

- The prevention of injuries in American flag football in Israel: A one-year pilot study**
P38-191 *Kaplan Y. (Israel)*
- Effect of knee braces for MCL on dynamic and static balance**
P38-551 *Fujiya H. (Japan), Tateishi K., Yui Naoko, Yatabe Kanaka, Kohno T., Aoki H.*
- Increased trunk stability modulates sagittal plane lower extremity biomechanics during single-leg landings**
P38-601 *Shimokochi Y. (Japan), Igawa T., Oishi Ayaka, Kato Norie, Meyer E., Ambegaonkar, J.*
- Which screening tools can predict injury to the lower extremities in team sports? A systematic review**
P38-633 *Benjaminse Anne (Netherlands), Dallinga Joan, Lemmink K.*
- Injury profile of competitive alpine skiers – a five year cohort study at the Swedish Ski High schools**
P38-641 *Westin Maria (Sweden), Alicsson M., Werner Suzanne*
- Professional Ice Hockey Injuries: A 5 years prospective study**
P38-934 *Ornon G. (Switzerland), Fritschy D., Menetrey J., Ziltener J.*
- Injuries among elite Norwegian road cyclists – A prospective study**
P38-968 *Clarsen B. (Norway), Bahr R., Myklebust Grethe*
- Specific training may influence knee frontal plane projection angles during dynamic tasks in female team-handball players.**
P38-1251 *Sveinsson H. (Iceland), Thorvardarson E., Svavarsson S., Briem Kristin*
- Late effects of team handball in female national team players. High prevalence of osteoarthritis, and functional limitations in knee joints ten years after Silver Medal winning at the Sydney olympic gGames**
P38-1284 *Tállay A. (Hungary), Halasi T.*
- Reduction of sports injury incidence in a Luxembourgish sport school during a 3-year prospective follow-up**
P38-1511 *Theisen D. (Luxembourg), Frisch Anne, Windal T., Urhausen A., Seil R.*

ROOM B **Smith & Nephew**



LW11 Anatomic ACL Reconstruction

Chair: Brown C. (Abu Dhabi/USA)

Current Concepts:

Topic: Biomechanics of ACL Reconstruction

Speaker: Amis A. (United Kingdom)

Topic: ACL Reconstruction: Do We Have a Problem?

Speaker: Fu F. (USA)

Topic: What is Anatomic ACL Reconstruction and How Do We Achieve it?

Speaker: Brown C. (Abu Dhabi/USA)

Topic: The Concept of Footprint Restoration

Speaker: Siebold R. (Germany)

Topic: Where Do I Place My Tunnels?

Speaker: Robinson J. (United Kingdom)

Topic: ACL Reconstruction: Where Do We Go From Here?

Speaker: Fu F. (USA)

Surgical Techniques:

Topic: Anatomic Single-Bundle ACL Reconstruction

Speaker: Spalding T. (United Kingdom)

Topic: Anatomic ACL Reconstruction: Outside-In Approach

Speaker: Pederzini L. (Italy)

Topic: Anatomic Double-Bundle ACL Reconstruction

Speaker: Djian P. (France)

Topic: Augmentation Technique for Partial ACL Tears

Speaker: Brown C. (Abu Dhabi/USA)

Case Presentations (All faculty)

ROOM C **Aperion Biologics, Inc.**



LW12 Graft Choices in ACL Reconstruction – Introducing the Z-lig

Chair: Lee D. (USA)

Speakers: van der Merwe W. (South Africa), Zaffagnini S. (Italy)

ROOM E

Zimmer Institute



LW16 **New Technologies for reproducible
Unicompartmental Knee Alignments**

Speakers: *London N. (United Kingdom), Thienpont E. (France)*

ROOM F

Moximed



LW17 **Joint unloading for the young arthritic patient:
rationale, techniques, and practical workshop**

Speakers: *Almqvist KF. (Belgium), Crawford D. (USA), Holsten D. (Germany)*

ROOM G

FH Orthopedics



LW18 **TLS System – The reference in short grafts**

Chair: *Collette M. (Belgium), Cassard X. (France)*

Topic: **Introduction**

Speaker: *Lanternier H. (France)*

Topic: **Technical and biomechanical basis**

Speaker: *Collette M. (Belgium)*

Topic: **The TLS technique**

Speaker: *Cassard X. (France)*

Topic: **Comparative analysis of 4 tibial fixation systems**

Speaker: *Robert H. (France)*

Topic: **Clinical results**

Speaker: *De Polignac T. (France)*

Topic: **Discussion**

Speaker: *Collette M. (Belgium), Cassard X. (France)*

Topic: **Conclusion**

Speaker: *Lanternier H. (France)*

ROOM K DePuy Mitek



LW15 **Arthroscopic Latarjet for the treatment of anterior shoulder instability and glenoid loss technique, challenges and results after 3 years of practice**

The treatment of Rotator cuff tears with Healix anchors: from PASTA to full thickness

Chair: *Calvo E. (Spain)*

ROOM L DePuy



LW19

Topic: **A Reproducible Technique in Uni surgery**

Speaker: *Gottsauner-Wolf F. (Austria)*

Topic: **Clinical Results and Observations**

Speaker: *Barrett D. (United Kingdom)*

LE JURA Biomet



LW13 **Overview of 35 years Oxford and current developments**

Speakers: *Murray D. (United Kingdom), Kort N. (Netherlands)*

LE SALÈVE ConvaTec, Inc.



LW14 **Surgical Site Infection in Total Hip and Knee Arthroplasty**

Chair: *Argenson J. (France)*

Speakers: *Hube R. (Germany), Neyret P. (France), Springer B. (USA), Thienpont E. (Belgium)*

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We look forward to seeing you again next year for what promises to be another great year for the ESSKA!

For questions about your membership, please contact the office, Mrs Cotinaut Marielle at: cotinaut.marielle@chl.lu or visit the membership section on www.esska.org.

ESSKA would not be complete without you and we would like to thank you personally for your continuous support!

Sincerely, *Your ESSKA team*

ROOM A

Smith & Nephew



LW20 **Current Concepts in Shoulder Arthroscopy**

Topic: The challenges of shoulder instability

Speaker: Verma N. (USA)

Topic: Rotator Cuff - Healing Challenges

Speaker: Verborgt O. (Belgium)

ROOM B

Arthrex GmbH



LW21 **Live Surgical Demonstration:
NEW Techniques in Medial and
Lateral Knee Ligament Reconstruction**

Chair: Johansen S. (Norway)

Speakers: LaPrade R. (USA), Engebretsen L. (Norway)

ROOM C

Mathys Ltd Bettlach



LW22 **Crossroads in Total Knee Arthroplasty**

Chair: Casteleyn P. (Belgium), Mertl P. (France)

Topic: Future challenges – challenging future? Any solution in sight?

Speaker: Matziolis G. (Germany)

Topic: Recent innovations in TKA – hype or hope?

Speaker: Egli S. (Switzerland)

Topic: Polyethylene and vitamin E – a match made in heaven

Speaker: Delfosse D. (Switzerland)

ROOM E

Karl Storz



LW26 **Minimal-invasive technique for quadriceps –
tendon graft harvest**

Speaker: Fink C. (Austria)



ROOM F Biomet

LW27 **The Howell Approach to Anatomical ACL Reconstruction**

Speaker: *Howell S. (USA)*

ROOM G Sanofi Biosurgery



LW28 **The Progressing Field of Cartilage Repair:**

In this symposium participants will learn about the changing regulatory environment in the EU, what Sanofi Biosurgery is doing to comply and how the Advanced Therapy and Medicinal Product (ATMP) regulations will affect clinical practice in 2013 and beyond. Participants will also learn how surgical techniques have evolved to more minimally invasive approaches as well as advancements in the field of patient rehabilitation are affecting patient outcomes.

Chair: *Kili S. (United Kingdom)*

ROOM K DePuy Mitek



LW25 **The treatment of Rotator Cuff tears with Healix anchors:
Arthroscopic Subscapularis Repair: How I Do It**

Chair: *Nove Josserand L. (France)*

ROOM L Tornier



LW29 **HLS KneeTec Total Knee System**

Speakers: *Bonnin M. (France), Neyret P. (France)*

LE SALÈVE Orteq Sports Medecine



LW24 **Save the meniscus 2**

Chair: Verdonk R. (Belgium), Beaufils P. (France)

Topic: Importance of the meniscus and the consequences of meniscectomy

Speaker: Verdonk R. (Belgium)

Topic: Meniscal repair, Clinical options and How I do it

Speaker: Beaufils P. (France)

Topic: Meniscal scaffolds, The Italian experience

Speakers: Marcacci M. (Italy), Zaffagnini S. (Italy)

Topic: Meniscal scaffolds, The UK experience

Speaker: Spalding T. (United Kingdom)

Topic: Meniscus: the future

Speaker: Verdonk R. (Belgium)

EVENING WORKSHOPS
THURSDAY, MAY 3, 2012

19.00 - 20.30 h

ROOM E Tornier
U-KneeTec Workshop



Speakers: Deschamps G. (France), Donell S. (United Kingdom)

ROOM A **Arthrex GmbH**

LW30

Chair: *Imhoff A. (Germany)*

Topic: **AC Joint Reconstruction using DogBone Suture Buttons**

Speaker: *Imhoff A. (Germany)*

Topic: **Arthroscopic Biceps Tenodesis**

Speaker: *Flury M. (Switzerland)*

Topic: **Translateral Anatomic ACL Reconstruction**

Speaker: *Wilson A. (United Kingdom)*

Topic: **iBalance® High Tibial Osteotomy**

Speaker: *Slynarski K. (Poland)*



ROOM B **Smith & Nephew**

LW31 **Hip Arthroscopy**



ROOM C **Mathys Ltd Bettlach**

LW32 **Innovations in Total Shoulder Arthroplasty**

Chair: *Pap G. (Germany)*

Topic: **Affinis® Short: Implant philosophy and surgical technique**

Speaker: *Pap G. (Germany)*

Topic: **Importance of correct glenoid positioning in TSA**

Speaker: *Gregory T. (France)*

Topic: **Early clinical outcome of a new short stemmed prosthesis**

Speaker: *Pap G. (Germany)*

Topic: **Material innovation: What's next?**

Speaker: *Delfosse D. (Switzerland)*



ROOM E

Karl Storz

LW34 **An algorithm for the treatment of bone loss in shoulder instability – The arthroscopic guide for the bone block transfer**

Chair: Franceschi F. (Italy)



ROOM F

Biomet

LW35 **The Juggerknot Technology:
A revolution in soft tissue reattachment**

Speakers: Gleyze P. (France), Calvo A. (Spain), Toussaint B. (France)



ROOM G

Ivy Sports Medicine

LW42 **Sports Medicine and Knee Injuries**

Speaker: Steadman J. R. (USA)



ROOM L

DePuy Mitek

LW37 **Meniscus Lesions:
How to improve the diagnostic and get indications
right Advanced meniscus repair techniques**





LE JURA

Smith & Nephew

LW41 **Proven Performance meets Continuous Innovation:
The influence of implant designs and Technologies in TKA outcomes**

Chair: Parratte S. (France)

Topic: Does Implant Design Influence Long-term Outcomes?

Speaker: Victor J. (Belgium)

Topic: Is VISIONAIRE Technology the answer to rotational alignment?

Speaker: Tibesku C. (Germany)

Topic: VERILAST Technology. An Engineer's Perspective

Speaker: Luyckx J. (Belgium)

Topic: Building further upon the JOURNEY experience

Speaker: Thomas N. (United Kingdom)

Topic: Optimising outcomes in Revision TKA

Speaker: Porteous A. (United Kingdom)

LE MT. BLANC

Stryker

LW40 **Anatomical ACL reconstruction using VersiTomic
flexible reaming technology**

Speaker: Steiner M. (USA)



LE SALÈVE

Stryker

LW33 **Knees: A Balancing Act – TKA Instructional Course
The Role of surgical philosophy and procedural technology in modern TKA**

Chair: Catani F. (Italy)

Speakers: Eldridge J. (United Kingdom), Miles T. (United Kingdom),
Windhagen H. (Germany), Ghijssels I. (Belgium)





Gold Partner:
Arthrex, Germany

never stop moving®

Emerald Partner:
DePuy



STORZ
KARL STORZ — ENDOSKOPE

Bronze Partner:
Karl Storz, Germany



Diamond Partner:
Smith & Nephew, USA



European Orthopaedics

Silver Partner:
Mathys Ltd Bettlach, Switzerland



PT Partner:
DJO Global, UK

EXHIBITORS LIST A-Z

ALPHABETICAL ORDER

Company	Country/City	Stand-No.
Adler Ortho S.R.L.	I-20032 Cormano	67
albrecht GmbH	D-83071 Stephanskirchen	20
Allenspach Medical AG	CH-4710 Balsthal	68
Amplitude	F-26000 Valence	48
Anika Therapeutics	USA-Bedford, MA 02420	16
Anteis SA	CH-1228 Plan les Ouates/Geneva	45
Arthrex GmbH	D-85757 Karlsfeld	01
ArthroCare	S-11130 Stockholm	73
ArthroSurface, Inc	USA-Franklin, MA 02038	09
B.Braun Aesculap	D-78532 Tuttlingen	46
Bauerfeind AG	CH-5452 Oberrohrdorf	64
Biomet	UK-Bridgend, CF31 3XA	31
Bledsoe Brace Systems	USA-Grand Prairie, TX 75051	13
Brainlab	D-85622 Feldkirchen	53, 54
Cayenne Medical, Inc	USA-Scottsdale, AZ 85260	15
ConforMIS Europe GmbH	D-90763 Fürth	21
CONMED LINVATEC EUROPE	B-1620 Drogenbos	41
ConvaTec, Inc.	USA-Skillling, NJ 08558	17
DePuy, DePuy Mitek	UK-Leeds, LS11 0BG	04
DeSoutter Medical Ltd	UK-Berkhamsted, HP4 1HL	47
DJO Global	UK-Guildford, GU2 8XG	03
DR MEDICAL	CH-4503 Solothurn	59
FH ORTHOPEDICS	F-68990 Heimsbrunn	34
FINCERAMICA	I-48018 Faenza (RA)	23
Geistlich Surgery	CH-6010 Wolhusen	36
GENOUROB	F-53500 Montenay	33
Harvest Technologies GmbH	D-81825 München	26
ISAKOS	USA-San Ramon, CA 94583	70
IVY SPORTS MEDICINE GmbH	D-82166 Gräfelfing	27
Karl Storz	D-78532 Tuttlingen	32
LCA Pharmaceutical	F-28000 Chartres	24

Mathys Ltd Bettlach	CH-2544 Bettlach	40
MEDACTA	CH-6874 Castel San Pietro	29
MEDECO-CH	CH-1266 Duillier	69
medi GmbH & Co. KG	D-95448 Bayreuth	22
Medical Vision AB	S-13130 Nacka	11
MOXIMED INTERNATIONAL GmbH	CH-8005 Zürich	37
Neoligaments	UK-Leeds, LS19 7UE	72
NET GmbH	D-86923 Finning	38
Newclip Technics	F-44690 La Hye Fouassiere	28
ORTEQ SPORTS MEDICINE	UK-London, SW1P 1SB	42
Phusis	F-38330 Saint Ismir	14
PKTD - Porto Knee Testing Device	P-4150-326 Porto	74
Primal Pictures	UK-London, W1W 5PA	63
Richard Wolf GmbH	D-75438 Knittlingen	12
RUDOLF MEDICAL GmbH & Co. KG	D-78567 Fridingen	25
RZ MEDIZINTECHNIK GmbH	D-78532 Tuttlingen	39
SAGE Publisher	UK-London, EC1Y 1SP	19
Sanofi Biosurgery	F-75008 Paris	05
Sawbones Europe AB	S-21616 Malmö	49
Simbionix USA Corporation	USA-Cleveland, OH 44103	30
Smith & Nephew	USA-Andover, MA 01810	02
Springer	D-69121 Heidelberg	08
Stryker	CH-1820 Montreux	51
TBF – Cells and Tissues Bank	F-69780 Mions	60
TIGENIX NV	B-3001 Leuven	35
TORNIER	F-38330 Montbonnot St. Martin	10
TRB CHEMEDICA INTERNATIONAL SA	CH-1211 Geneva 12	43
VirtaMed AG	CH-8004 Zürich	71
Wisepress Medical Bookshop	UK-London, SW19 2JL	56
Wright Medical Technology	NL-1101 BA Amsterdam	75
Zimmer	CH-8403 Winterthur	06

EXHIBITORS LIST

NUMERICAL ORDER

Stand-No.	Company	Country/City
01	Arthrex GmbH	D-85757 Karlsfeld
02	Smith & Nephew	USA-Andover, MA 01810
03	DJO Global	UK-Guildford, GU2 8XG
04	DePuy, DePuy Mitek	UK-Leeds, LS11 0BG
05	Sanofi Biosurgery	F-75008 Paris
06	Zimmer	CH-8403 Winterthur
07	CONGRESS BAGS	
08	Springer	D-69121 Heidelberg
09	ArthroSurface, Inc	USA-Franklin, MA 02038
10	TORNIER	F-38330 Montbonnot St. Martin
11	Medical Vision AB	S-13130 Nacka
12	Richard Wolf GmbH	D-75438 Knittlingen
13	Bledsoe Brace Systems	USA-Grand Prairie, TX 75051
14	Phusis	F-38330 Saint Ismir
15	Cayenne Medical, Inc	USA-Scottsdale, AZ 85260
16	Anika Therapeutics	USA-Bedford, MA 02420
17	ConvaTec, Inc.	USA-Skilling, NJ 08558
19	SAGE Publisher	UK-London, EC1Y 1SP
20	albrecht GmbH	D-83071 Stephanskirchen
21	ConforMIS Europe GmbH	D-90763 Fürth
22	medi GmbH & Co. KG	D-95448 Bayreuth
23	FINCERAMICA	I-48018 Faenza (RA)
24	LCA Pharmaceutical	F-28000 Chartres
25	RUDOLF MEDICAL GmbH & Co. KG	D-78567 Fridingen
26	Harvest Technologies GmbH	D-81825 München
27	IVY SPORTS MEDICINE GmbH	D-82166 Gräfelfing
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75	Wright Medical Technology	NL-1101 BA Amsterdam
76	Philippe Pascoët Chocolatier	CH-1227 Carouge






ESSKA

2-5 May 2012

HALL 1 & CONGRESS CENTER

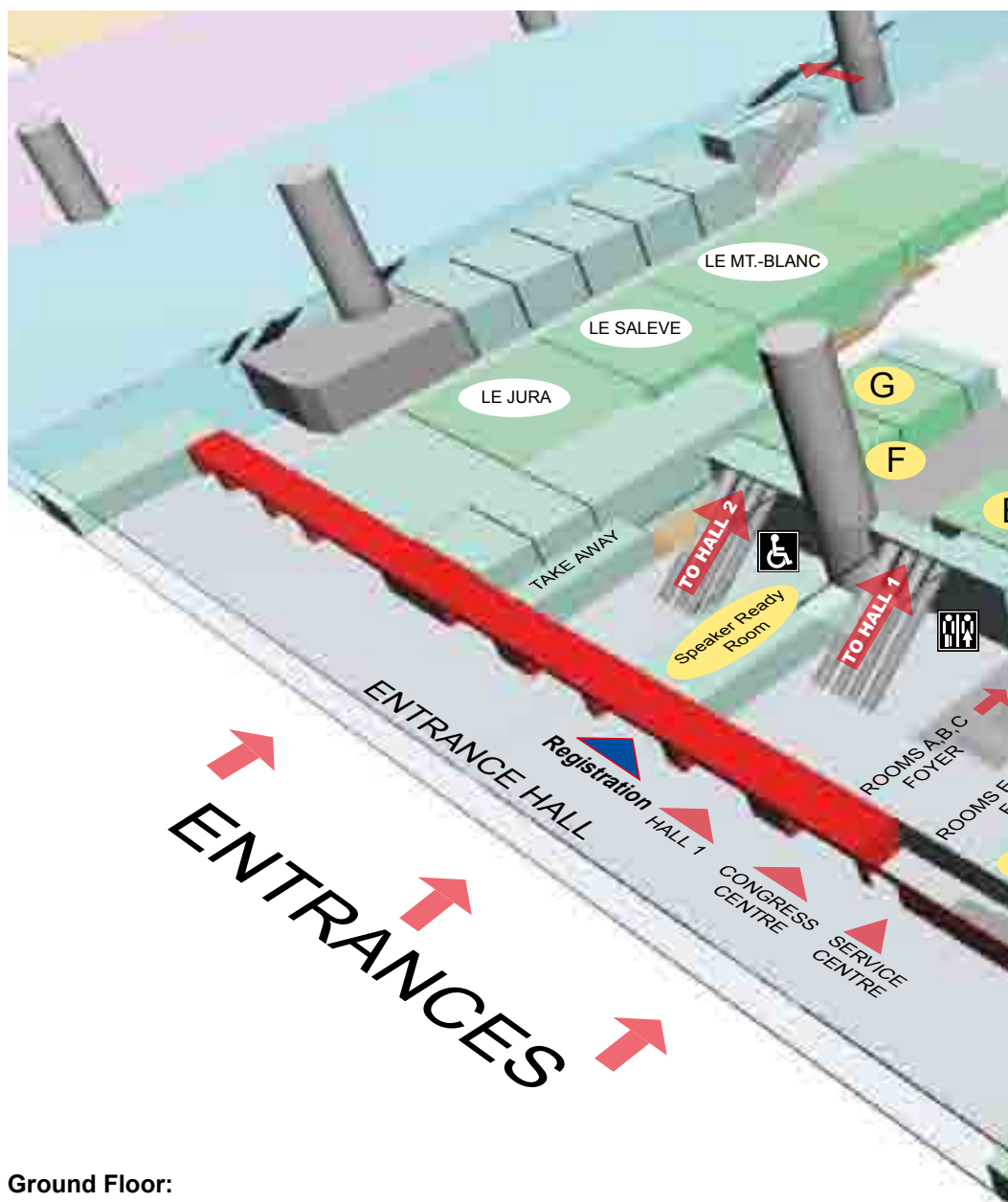


LEGENDE

-  ACCÈS MARCHANDISES
GOODS ACCESS
WARENZUFUHR
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PEDESTRIAN ACCESS
FUSSGÄNGERZUGANG
-  AUTOROUTE
MOTORWAY
AUTOBAHN
-  ROUTE
ROAD
STRASSE
-  ACCÈS PARKING
CAR PARK ACCESS
PARKHAUSZUFAHRT
-  AÉROPORT INTERNATIONAL DE GENÈVE
GENEVA INTERNATIONAL AIRPORT
INTERNATIONALER FLUGHAFEN GENF
-  GARE CFF GENÈVE-AÉROPORT
GENEVA-AIRPORT TRAIN STATION
BAHNHOF GENF-FLUGHAFEN



CONGRESS CENTRE



Ground Floor:

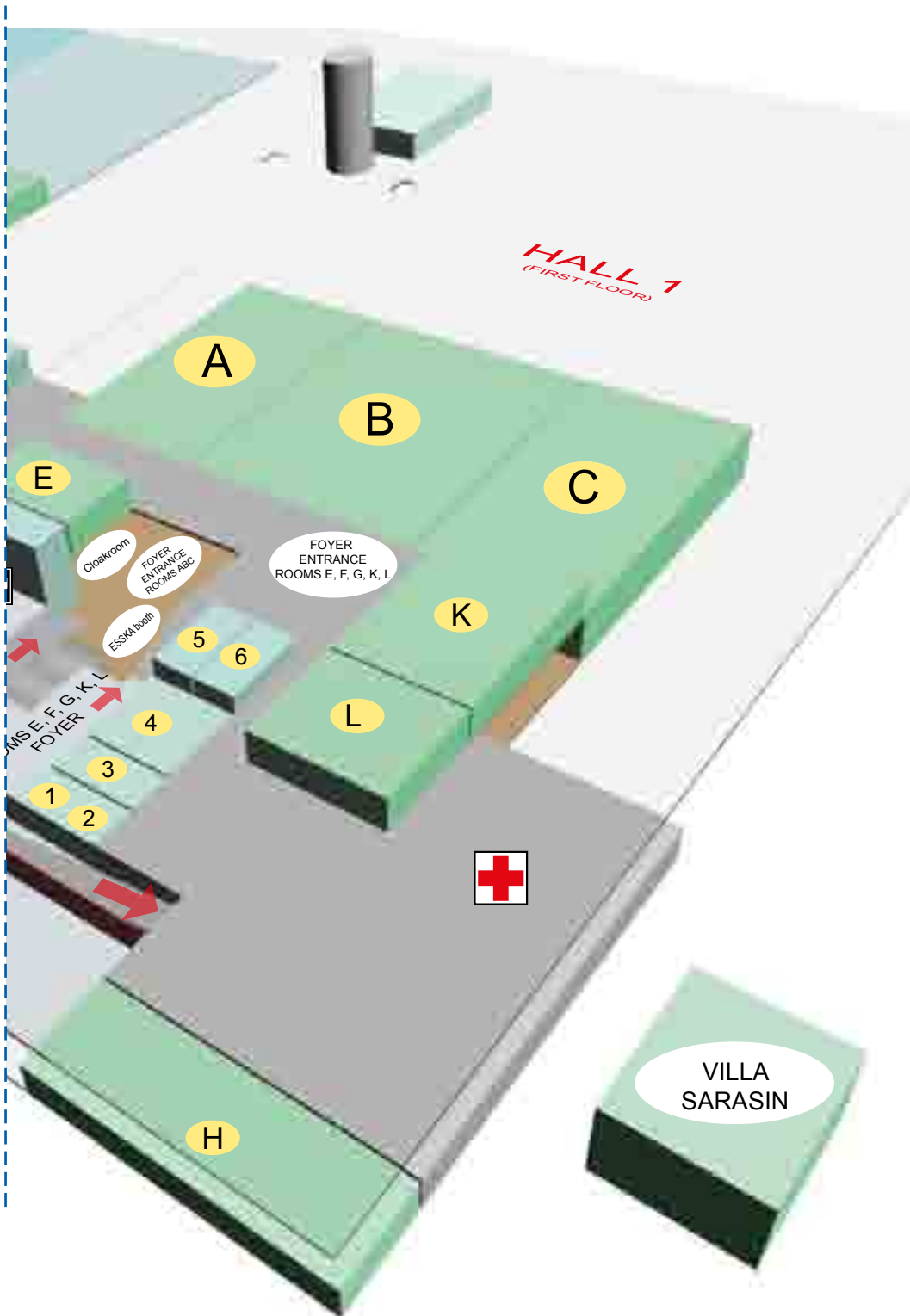
Rooms A, B, C, H, Cervin, Mont-Blanc, Salève & Jura, Q, R, S, T, U
Offices 1, 2, 3 & 4

First Floor:

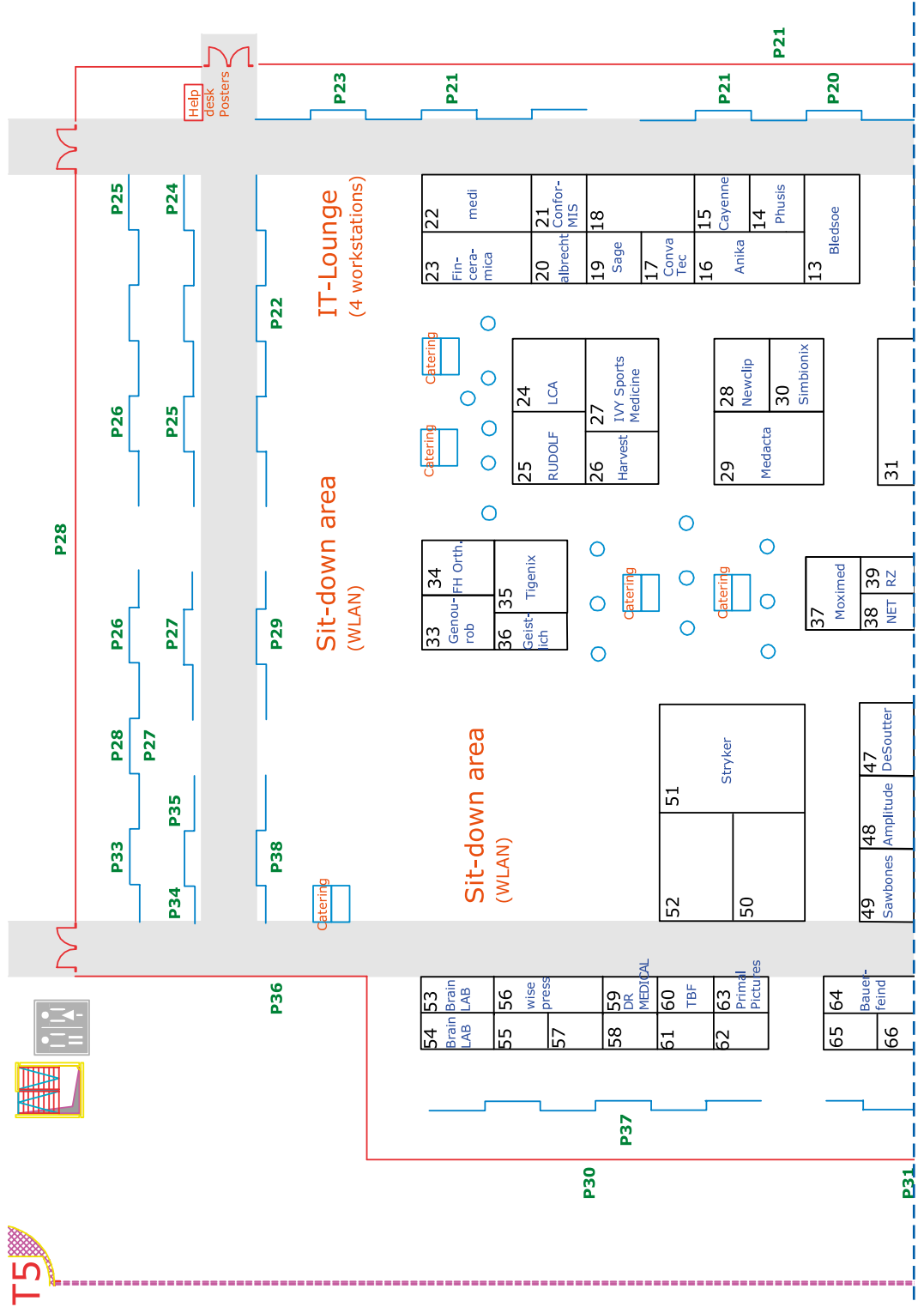
Rooms E, F, G, K, L
Offices 5 & 6

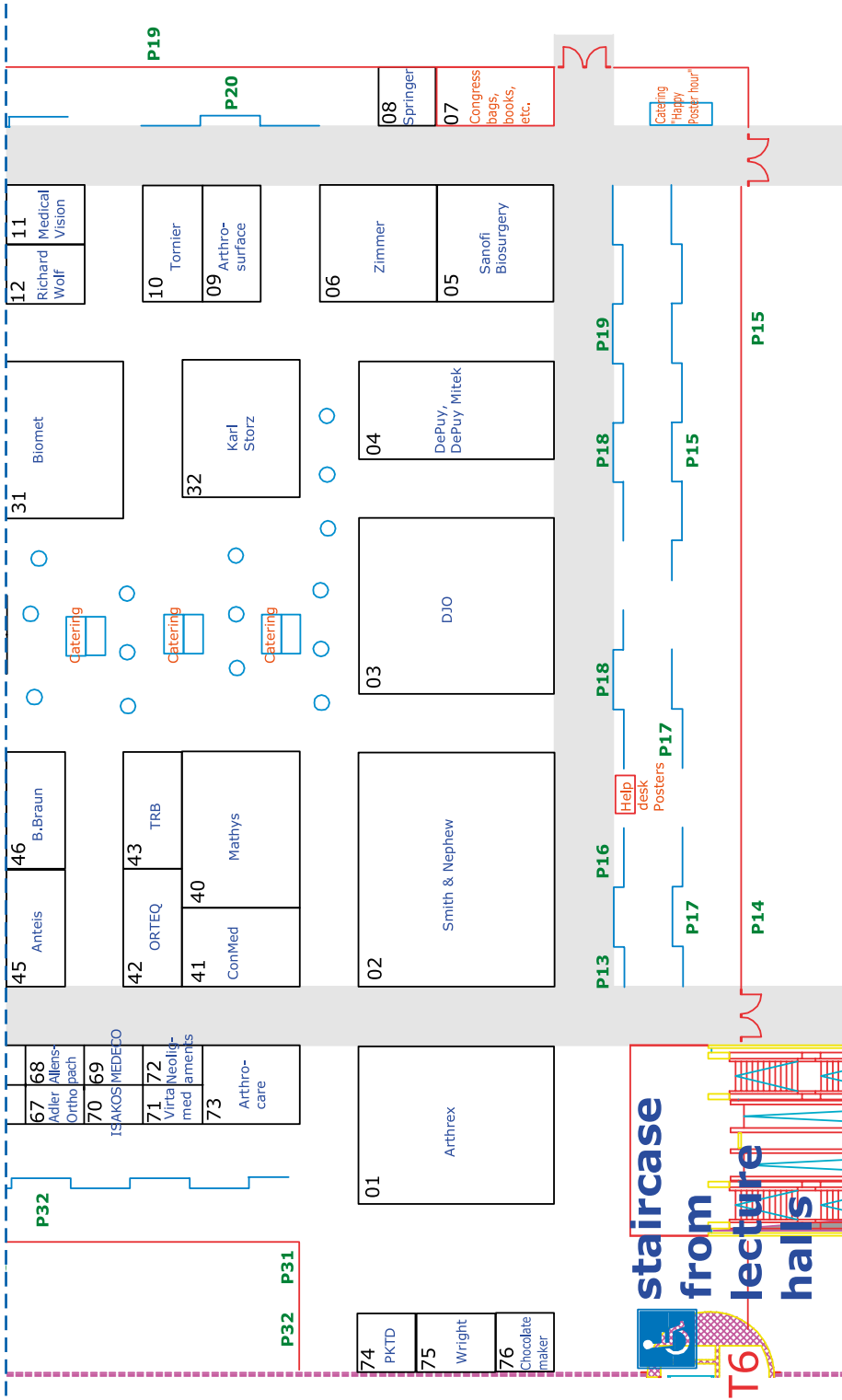
Upper Level:

Exhibition Halls 1 & 2



EXHIBITION PLAN





ESSKA EDUCATIONAL PROGRAMME OVERVIEW

Dear ESSKA Members,

As Educational Secretary of the ESSKA, I am very pleased and honoured to announce the existing ESSKA educational opportunities for the ones I kindly invite you to apply to enlarge and improve your knowledge.

Please do not hesitate to contact myself (pietro.randelli@unimi.it) or Mrs. Marielle Cotinaut Mabilie (cotinaut.marielle@chl.lu) at the ESSKA office in case you may need further information or visit our web site on www.esska.org.

Furthermore, I am pleased to inform you that an **Educational meeting point** will be organised where you can meet me or someone from the ESSKA Office in case you would like to discuss personally with us the different educational proposals during the Geneva Congress **2-5 May 2012 at the ESSKA booth**. We will be pleased to assist and guide you.

Sincerely,

Pietro Randelli

ESSKA CHELSEA FC SPORT TRAUMA FELLOWSHIP

The ESSKA – Chelsea FC Sport trauma fellowship is a brand new fellowship starting in 2012 with the main focus to gain insight into the prevention, treatment of diagnosed sports injuries and rehabilitation. This fellowship offers a very practical based programme during 2 to 3 months with the opportunity to work with the Chelsea FC medical staff.

Conditions and application form on www.esska.org.

**Deadline for application: 31. 05. 2012 for the period 15 August - 15 Nov. 2012
and for the period 15 Nov. 2012 - 1st Feb. 2013**



Educational Programme generously supported by:

ESSKA KNEE REPLACEMENT VISITING FELLOWSHIP

The ESSKA – ZIMMER Joint replacement visiting fellowship is reserved to young surgeons from Europe, Middle East and Africa (20 candidates each year) who strongly wish to enlarge and improve their knowledge and competencies in orthopaedic joints replacement surgery.

The fellowship allows the candidates to visit highly qualified teaching surgeons and recognized orthopaedic centers in Western Europe for four weeks.

Candidates must be, at the time of application, below 40 years of age. The fellows will be notified of their selection during the month of January of each year. The scholarship lasts 1 month and the exact date of the fellowship will be chosen by the Head of the selected Centre in accordance with his availability.

The fellowship can only be won once. Applicants who have not been selected are allowed to apply again.

The amount of the grant is 3.000 EUR, which will have to cover all expenses of the applicant who, during his stay, will be lodged at his own expense. 2.000 € will be transferred to the respective host and be delivered to the fellow upon his arrival. The rest, 1.000 € will be transferred to the fellow's account at the end of the fellowship after having completed seriously the provided questionnaire.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by:



ESSKA AOSSM-APOSSM TRAVELLING FELLOWSHIP

This renowned biannual international exchange programme for up and coming sports medicine orthopaedic surgeons, in collaboration with the American Orthopaedic Society for Sports Medicine (AOSSM) and the Asia Pacific Orthopaedic Society for Sports Medicine (APOSSM), provides a stimulating environment for the global growth of sports medicine. Selected as potential leaders in sports medicine in the future, fellows will, among others:

- participate in scientific symposia with host physicians
- view research facilities and surgical procedures
- attend a national sports medicine meeting in the region they are visiting
- participate in the social and cultural activities with the hosting sports medicine community

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by:



ESSKA EDUCATIONAL PROGRAMME

ESSKA-SLARD TRAVELLING FELLOWSHIP

Just as our exchange tours with the US and the Asian-Pacific societies, ESSKA is excited to enlarge this unique and wonderful learning experience to our South-American friends. In collaboration with SLARD (Sociedad Latinoamericana de Artroscopia, Rodilla y Traumatologia Deportiva), we organize this brand-new tour where one godfather and 3 fellows will be able to visit highly renowned institutions during a time frame of 2 weeks 3 week-ends.

In 2012, our South-American friends will tour through Europe, while the ESSKA fellows will go to South America in 2013.

Conditions and application on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by:  smith&nephew

ESSKA SCHOLARSHIP PROGRAMME EASTERN EUROPE & INTERNATIONAL

The ESSKA Scholarship program is reserved to young doctors (<40 years old) from Europe, East Europe, Middle-East, Africa, who strongly wish to enlarge and improve their knowledge and competencies in orthopaedic sports medicine, knee surgery and arthroscopy.

The scholarship allows the scholars to visit highly qualified teaching surgeons and recognized sports medicine centers in Western Europe for several weeks.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012


Educational Programme generously supported by:  smith&nephew

ESSKA ALWIN JÄGER ADVANCED CAREER DEVELOPMENT AWARD

The ESSKA Senior Fellowship is reserved to senior orthopaedic surgeons (over 40 years) to pass one week in an ESSKA accredited teaching Centre.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012


Educational Programme generously sponsored by:  Alwin Jäger Stiftung

KNEE ARTHROPLASTY FELLOWSHIP 2012

This Travelling Fellowship tour wishes to address surgeons who want to meet with the best European surgeons in the fields of Sports Traumatology, Knee Surgery and Arthroscopy. Candidates can be young doctors beginning their speciality, or more experienced doctors, who want to specialise in the fields covered by this tour. Candidates should be very clear in their mind about the speciality in which they want to advance.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012


Educational Programme generously sponsored by: **TORNIER** 

ESSKA EUROPEAN ARTHROSCOPY FELLOWSHIP

ESSKA is excited to be part of this common initiative between the European National Societies, AEA / SPAT, AGA, SIGASCOT and SFA! 5 Fellows will be chosen (1 per society) to travel 3 weeks to the best centers in Europe. You will visit following countries: Germany, Austria, Spain, France, Italy and Portugal. One fellow will be chosen by the ESSKA among European applications (except France, Italy, Germany, Portugal and Spain as those applications should be addressed to the participating national society).

Conditions and application form on www.esska.org.

Deadline for application: 20. 05. 2012

Educational Programme generously sponsored by: **Arthrex** 

KNEE GENERATION

ChondroMimetic™

Off the shelf scaffold for the single step treatment of small osteochondral lesions.



Advanced biomaterial technology

Natural composition¹

Cell-mediated resorption²

Optimised pore architecture²

Novel shape memory²

Single step arthroscopic delivery

ChondroMimetic™ is a CE marked device and is approved for use in the European Economic Area

Abbreviated prescribing information for ChondroCelect®

NAME OF THE MEDICINAL PRODUCT: ChondroCelect®
10,000 cells/microlitre implantation suspension.

QUALITATIVE AND QUANTITATIVE COMPOSITION: General description: Characterised viable autologous cartilage cells expanded *ex vivo* expressing specific marker proteins. **Qualitative and quantitative composition:** Each vial of product contains 4 million autologous human cartilage cells in 0.4 ml cell suspension, corresponding to a concentration of 10,000 cells/microlitre.

PHARMACEUTICAL FORM: Implantation suspension. Before re-suspension the cells are settled to the bottom of the container forming an off-white layer and the excipient is a clear colourless liquid. **Therapeutic indications:** Repair of single symptomatic cartilage defects of the femoral condyle of the knee (International Cartilage Repair Society [ICRS] grade III or IV) in adults. Concomitant asymptomatic cartilage lesions (ICRS grade I or II) might be present. Demonstration of efficacy is based on a randomised controlled trial evaluating the efficacy of ChondroCelect® in patients with lesions between 1-5cm².

Posology and method of administration: ChondroCelect® must be administered by an appropriately qualified surgeon and is restricted to hospital use only. ChondroCelect® is solely intended for autologous use and should be administered in conjunction with debridement (preparation of the defect bed), a physical seal of the lesion (placement of a biological membrane, preferentially a collagen membrane) and rehabilitation. **Posology:** The amount of cells to be administered is dependent on the size (surface in cm²) of the cartilage defect. Each product contains an individual treatment dose with sufficient number of cells to treat the pre-defined lesion size, as measured at biopsy procurement. The recommended dose of ChondroCelect® is 0.8 to 1 million cells/cm², corresponding with 80 to 100 microlitre of product/cm² of defect. **Method of administration:** ChondroCelect® is intended solely for use in autologous cartilage repair and is administered to patients in an Autologous Chondrocyte Implantation procedure (ACI). The implantation should be followed by an appropriate rehabilitation schedule for approximately one year, as recommended by the physician. **Contraindications:** Hypersensitivity to any of the excipients or to bovine serum. ChondroCelect® must not be used in case of advanced osteoarthritis of the knee.

Undesirable effects: In a randomised, controlled study in the target population, 51 patients were treated with ChondroCelect®. In these patients, a periosteal flap was used to secure the implant. Adverse reactions occurred in 78.4% of the patients over a 36-months postoperative follow-up period. The most common adverse reactions were arthralgia (47.1%), cartilage hypertrophy (27.4%), joint crepitation (17.6%) and joint swelling (13.7%). Adverse reactions collected from 370 patients included in a Compassionate Use Program are similar to those reported in the target population. Most of the reported adverse reactions were expected as related to the open-knee surgical procedure. The most frequently occurring reactions reported immediately after surgery include joint swelling, arthralgia and pyrexia. These were generally mild and disappeared in the weeks following surgery. **Adverse reactions of special interest: Arthrofibrosis:** In the compassionate use patients, a higher incidence of arthrofibrosis and decreased joint range of motion was observed in a subgroup of patients with a patellar lesion (8.2% and 13.1% respectively) compared to non-patellar lesions (0.6% and 2.6% respectively). **Cartilage hypertrophy:** In the majority of the 370 patients included in the Compassionate Use Program, a collagen membrane instead of a periosteal flap was used to seal the defect.

CHONDROCELECT®

Characterised viable autologous cartilage cells expanded *ex vivo* expressing specific marker proteins.



First in class Advanced Therapy Medicinal Product Cartilage regeneration using characterised quality cells Significant benefit demonstrated in a level 1 RCT^{3,4}

ChondroCelect® is a medicinal product and is currently available and authorised for use in the European Economic Area

ChondroCelect® is subject to restricted prescription. Please refer to the prescribing information below.

According to current literature the incidence of cartilage hypertrophy can be reduced by using a collagen membrane to cover the lesion site instead of using a periosteal flap (Gooding *et al.*, 2006; Niemeijer *et al.*, 2008). When a collagen membrane was used to seal the lesion site after application of ChondroCelect®, the incidence of cartilage hypertrophy was reported to be 1.8% compared to 25% in the randomised, controlled trial alone.

Name of the MA holder: TiGenix NV, Romeinse straat 12/2, B-3001 LEUVEN, Belgium.

Market authorisation number: EU/1/09/563/001.
Medicinal product to restricted medical prescription – restricted to hospital use only.

1. AK Lynn *et al.*, "Design of a multiphase osteochondral scaffold. I. Control of chemical composition". *J Biomed Mater Res A*. 2010 Mar 1;92(3):1057-65.
2. TiGenix data on file
3. Saris, D. B., *et al.* "Characterized Chondrocyte Implantation Results in Better Structural Repair when Treating Symptomatic Cartilage Defects of the Knee in a Randomized Controlled Trial versus Microfracture." *Am. J. Sports Med.* 36.2 (2008): 235-46.
4. Saris, D. B., *et al.* "Treatment of Symptomatic Cartilage Defects of the Knee: Characterized Chondrocyte Implantation Results in Better Clinical Outcome at 36 Months in a Randomized Trial Compared to Microfracture." *Am. J. Sports Med.* 37 Suppl 1 Am. J. Sports Med. (2009): 10S-19S.

ChondroMimetic™ is manufactured by
TiGenix Ltd.
Byron House, Cambridge Business Park
Cambridge, CB4 0WZ
UK
Phone +44 (0) 1223 437470
Fax +44 (0) 1223 437471

TIGENIX

Living Medicines

TiGenix NV
Researchpark Haasrode 1724
Romeinse straat 12 bus 2 - 3001 Leuven,
Belgium
Phone +32 (0) 16 39 60 60
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EVENTS

POSTER HAPPY HOUR WELCOME RECEPTION

The evening of the first official congress day is dedicated to meeting your colleagues and friends from all around the world attending the ESSKA Congress 2012! Following the last session we will all gather in Hall 1 at 18:00 for a walk through the large poster exhibition area, enjoying a glass of beer and some snacks and discussing with poster presenters.

Join the official welcome to Geneva from 18:30, with typical wine and music!

Date: Wednesday, May 2, 2012

Time: 18:00 - 18.30 Poster Happy Hour in Hall 1
18:30 - 19:30 Welcome Reception

Venue: PALEXPO Congress Centre

We thank Geneva Republic for the support of the welcome reception!



BUCHERER WATCHMAKER COURSE



Date: Thursday 10:00 - 12:00
Thursday 14:30 - 16:30
Friday 10:00 - 12:00
Friday 14:30 - 16:30

Group of maximum 12 people

Fee: 25,00 EUR; register at
main registration counter in the foyer

Venue: Lounge 5, Villa Sarasin,
located next to congress centre PALEXPO

BUILDING YOUR PERSONAL POCKET KNIFE

Since 1884 knives produced in the heart of Switzerland by Victorinox have set a landmark in the knife manufacturing business. Take your chance to build your own pocket knife during the ESSKA Congress in Geneva. Check out the details at the registration counter and make sure you get one of the few places in the course!

Date: Thursday, May 3, 2012
Friday, May 4, 2012

Registration: on-site at registration counter, places will be allocated on a first come first serve basis!

Venue: Villa Sarasin,
located next to Congress Centre PALEXPO

Picture: (PHOTOPRESS/Victorinox)



GALA DINNER

This year's conference dinner will take place at the Starling Hotel, located close to the PALEXO Congress Centre. This will be the perfect opportunity to meet with your colleagues in a friendly and fun atmosphere. You will be served a top quality meal and entertained by different acts that will contribute to creating an enjoyable and warm atmosphere.

Date: Friday, May 4, 2012

Time: Aperitif at 19:30, Dinner at 20:00

Venue: Starling Hotel,
Route François-Peyrot 34, 1218 Geneva

Tickets: 90,00 EUR, available at the
Intercongress registration counter
of PALEXPO Congress Centre



CITY TOUR OF GENEVA

- Price:
CHF 45,00 per participant
- Duration of the tour:
2 h
- City tour with live guide speaking
English
- Included:
Guided city tour by bus, by mini-train and by foot (2 h)
- Date and time:
All days at 10.30 am or 01.30 pm
- Departure from:
Place Dorcière (Geneva bus station)

The city tour of Geneva will bring you to visit the international part of Geneva through the centre of the world's peacemaking organizations followed by a tour of the main tourist attractions of the city like the Fountain and the wonderful Flower Clock. Then get a taste of Geneva's history with the mini-train tramway tour and dig even deeper into the old town with your guide on a walking tour.

Registration:
at "Tours" counter in the entrance foyer



GENEVA CITY TOUR & BOAT CRUISE

- Price:
CHF 58,00 per participant
- Duration of the tour:
3 h
- City tour with live guide speaking
English
- Included:
Guided city tour by bus, by mini-train and by foot (2 h) and commented boat cruise (1 h).
The excursion starts with the city tour and then the guide will drop the clients near the boat
- Date and time:
all days at 01.30 pm
- Departure from:
Place Dorcière (Geneva bus station)

The city tour of Geneva will bring you to visit the international part of Geneva through the centre of the world's peacemaking organizations followed by a tour of the main tourist attractions of the city like the Fountain and the wonderful Flower clock. Then get a taste of Geneva's history with the mini-train tramway tour and dig even deeper into the old town with your guide on a walking tour.

To complete this city tour, continue on the lake with a one hour commented boat cruise which will make you discover the major attractions of the lake of Geneva: the Water Fountain, the UN building, the castle of Bellerive, the Mermaid, and many more interesting sites.

For your pleasure, some drinks will be offered to you during the cruise.

Registration:
at "Tours" counter in the entrance foyer



EXCURSION GENEVA: COUNTRYSIDE

- Price:
CHF 45,00 per participant
- Duration of the tour:
2 h
- Included: Tour with live guide speaking
French and English
- Date and time:
All days at 05.00 pm
- Departure from:
Place Dorcière (Geneva bus station).

The countryside will charm you with its history and the green wine yards! Its wonderful fortified houses and castles will seduce the romantic souls.

Registration:
at "Tours" counter in the entrance foyer



EXCURSION TO LAUSANNE – MONTREUX – CHILLON

- Price:
CHF 178,00 per participant
- Duration of the tour:
9 h 30
- City tour with live guide speaking
English
- Included:
Bus transportation, admission to the Castle of Chillon
- Excluded:
Meals
- Date and Time:
Tuesday, Thursday and Saturday at 9.00 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
6.30 pm Bus station, Place Dorcière.

Lausanne, picturesque town built on hills and cultural center of Switzerland. After orientation city tour, free time at the lake side or visit to the Olympic Museum. In the afternoon, through the Vaud countryside on the lake side, passing by the famous towns of Vevey and Montreux, we will arrive at the Chateau de Chillon, one of the finest monuments of our country where a guided tour will take place. Then, boarding a steamer that will surprise you leave the splendor of the landscape and eventually take you wander the streets of Montreux.

Registration:
at "Tours" counter in the entrance foyer



EXCUSION CHAMONIX – MONT BLANC

- Price:
CHF 111,00 per participant
- Duration of the tour:
9 h 30
- Included:
English speaking guide, transportation by bus
- Date and time:
All days at 8.30 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
6.30 pm Bus station, Place Dorcière.

You will be crossing the Franco-Swiss border. The passport and maybe visa is needed. You can buy these options on the spot: Cable Car Aiguille du Midi (3842m): CHF 73,00 per participant, Mer de Glace: CHF 42,00 per participant, Lunch: CHF 42,00 per participant.

A 90 minutes' drive by bus through the picturesque Arve Valley takes us from Geneva to Chamonix, one of the most famous mountain village at the foot of the majestic Mont Blanc, the highest peak of Europe (4807m / 15.771 ft).

Registration:
at "Tours" counter in the entrance foyer



EXCURSIONS GRUYÈRES – GOLDEN PASS

- Price:
CHF 208,00 per participant
- Duration of the tour:
9 h 30
- Included:
English speaking guide, transportation by bus, chocolate tasting during the visit of the chocolate factory, cheese tasting in the cheese dairy, train ticket for the Golden Pass train, wine or juice tasting
- Excluded:
Meals
- Dates and time:
Wednesday, Friday and Sunday at 9.00 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
7 pm Bus station, Place Dorcière.

There is no better temptation than chocolate smell! Travel through chocolate tradition with tasting the most famous of Swiss delicacies. Admire the breathtaking landscapes of Gruyères. At the top of the hill, breathe pure mountain air and hear cowbells in the pasturelands. Enjoy authentic Alpine cheese making and suddenly become expert in cheese fondue by preparing yourself. After such an unforgettable experience, relax in comfortable ride aboard the famous Golden Express Train overlooking magnificent views of Lake Lemman. At the end of the day, let's discover the "1001 Secrets" of wine producing and in a dreamland setting. You will also discover the Lavaux, wine producing region classified UNESCO among the wonders of our planet.

Registration:
at "Tours" counter in the entrance foyer





MEET THE EDITOR

KSSTA JOURNAL

Jón Karlsson & Roland Becker

Wednesday & Thursday

12:30 - 13:30

**At the ESSKA booth
in foyer ABC.**

GENERAL INFORMATION

Date

May 2-5, 2012

Congress website

www.esska-congress.org

Opening hours of the registration desk

Tuesday, May 1: 16:00 - 19:00
Wednesday, May 2: 07:15 - 19:30
Thursday, May 3: 07:00 - 18:00
Friday, May 4: 07:00 - 18:00
Saturday, May 5: 07:00 - 13:00

Contact to registration desk

Phone: +41 22 761 2500

Fax: +41 22 761 2501

(from April 30 - May 5, 2012)

Congress venue

PALEXPO Geneva/Switzerland
www.palexpo.ch

Official language

English

Opening hours of the industrial exhibition

Wednesday, May 2: 09.00 - 19.30
Thursday, May 3: 09.00 - 19.00
Friday, May 4: 09.00 - 18.00
Saturday, May 5: 09.00 - 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 €

** Important info: When registering as non member you will automatically become an ESSKA "trial member" until December 31, 2012.

As an ESSKA trial member you will have online access to the society journal, the KSSTA, and benefit from other exclusive membership services you can check on www.esska.org.

GENERAL INFORMATION

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
Non-member: yellow
Accompanying person: green
Exhibitors: grey

Certificate of attendance

The certificate of attendance can be collected at the registration desk.
Please have your personalised badge at hand.

CME accreditation

The 15th 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 15th ESSKA Congress is designated for a maximum of 21 hours of European external CME credits. 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.

Poster exhibition and Poster Happy Hours (with drinks and snacks)

The poster exhibition is located in Hall 1.

Poster size: max. height: 230 cm max. width: 97 cm

All posters should be placed on the relevant poster board. Posters may be set-up on Wednesday, May 2, 07:30 - 10:00

All poster presenters are kindly requested to be present at their poster wall for questions and discussion during the given Poster Happy Hour times.

Wednesday May 2, 18:00 - 18:30 Poster Happy Hour I

Thursday May 3, 18:00 - 19:00 Poster Happy Hour II

Posters should be removed on

Saturday, May 5, 10:30 - 13:30

Posters not removed after 13:30 will be discarded. Posters and other material cannot be sent to your home address after the conference.

WiFi internet access

WiFi will be available in the congress centre and Hall 1 provided on all congress days free of charge. There is no code or password necessary! Please select the SSID: ESSKA Congress

Speakers' onsite preparation room

The speaker preparation room is located on the ground floor in the congress centre, behind the registration counter.

All presentations should be uploaded via the presentation tool called "E@syPPT". Please visit the preparation room at least two 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.

Welcome desk

There will be a Welcome desk at the Airport Cointrin in Geneva located on the arrival level.

Opening hours are:

Tuesday: 10:00 - 21:00

Wednesday: 07:00 - 12:00

Sit down area, internet corner

In the exhibition hall (see plan pages 204-205) you will find 2 large sit down areas. Here you can meet colleagues, have a talk, check your mails (WiFi) or relax for a moment.

In case you did not bring your laptop or online device, you can log on to the internet in the internet corner where computers will be at your disposal.

Pécub – cartoonist

During the congress you will have the opportunity to follow the excellent perception and art of the Swiss cartoonist and lightning sketcher Pécub! Don't miss out on his visual acuity and felicitous drawings that originate so swiftly!



Kindly supported by **International** 

Book Discount for ESSKA Members

Get your 25% discount on all Springer books at the Springer booth no. 08.

Kindly supported by  **Springer**

QUICK FACTS

Weather

Because of Geneva's location in the middle of Europe, 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)

Time Zone

Geneva is located in the middle European time zone (GMT).
The difference between World Time (UTC) is thus +1h

Modern communication

Dialling code: +41

Emergency number:

112

Electricity

Power 230 V, 50 Hz. Please be aware that you might need an adapter to plug in electronic devices since sockets are special.
(see picture, source: www.haus-forum.ch).



Language

Official Language: French

Currency (as of March 2012)

CHF (Swiss Franc)

CHF 1,00 = € 0,83

CHF 1,00 = £ 0,69

CHF 1,00 = \$ 1,09

About Geneva

Geneva is the second largest city of Switzerland. It is located in the west of Switzerland, between the close Alpine peaks and the Jura Mountains, in the bay where the Rhône is leaving the Lake Geneva. It is also called the "city of peace" and it is the host of the European office of the UNO as well as the head office of the International Red Cross. The town's landmark is the "Jet d'eau" a 140 m high water jet on the verge of the Lake Geneva. A destination that is worthwhile an excursion is the mountain Salève that is already located in France but the visitors reach it by a cable car from Geneva within 5 minutes. The stunning view over Geneva and surroundings is worth a visit.

Additional source of information

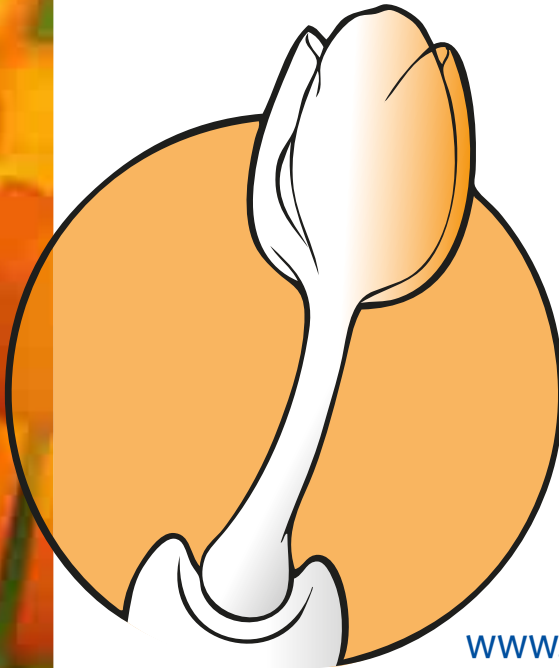
www.myswitzerland.com

AMSTERDAM / THE NETHERLANDS



16th ESSKA Congress

May 14-17, 2014



CONGRESS PRESIDENT
C. Niek van Dijk

ESSKA PRESIDENT
João Espregueira-Mendes

SCIENTIFIC CHAIRMEN
Stefano Zaffagnini
Roland Becker
Gino Kerkhoffs



www.esska-congress.org

Lunch Workshops

Partners Exhibitors

Floor plans

Social Programme

General Information

Faculty

Family name	First name	Presentation(s)
A		
Aagaard	Henrik	L: SY43
Abat	Ferran	V: FP12-957, P25-966, P21-973
Abdel-Hamid	Mohamed	V: P29-649
Abrassart	Sophie	V: P37-1136, FP11-1133
Achtnich	Andrea	V: P19-527
Ackermann	Paul	V: P36-625
Adamczyk	Grzegorz	V: ICL21-4248, ICL11-4231
Adler	Tom	V: P23-251
Adravanti	Paolo	L: FP21, SY53 V: ICL13-4135, SY53-4325, SY30-4299
Ahldén	Mattias	V: SY33-4378, FP27-1026
Akme	Ramazan	V: P15-1025
Akoto	Ralph	V: P21-916
Alam	Mahbub	V: FP38-878, P23-893
Albright	John P.	V: P28-544, P28-1056
Al-Dadah	Oday	V: P19-1019, P32-778, P19-75
Alevrogiannis	Stavros	V: FP15-960, P27-970
Almeida	Isabel	V: P13-1163
Almqvist	Karl Frederik	L: SY51, FP27, B16 V: ICL13-4139, FP12-1122, P26-172
Alnahdi	Ali	V: P30-676, P32-1257
Altman	Gregory	V: P21-1482
Alvand	Abtin	V: FP25-637, FP23-616
Alvarez Diaz	Pedro	V: P25-945
Amendola	Ned	V: ICL16-4024, SY21-4069, SY17-4075, SY10-4416
Amis	Andrew A.	L: SY26, SY49, FP10, SY19
Anand	Amarjit	V: P29-125
Angelis	Konstantinos	V: SY54-4348
Antonogiannakis	Emmanuel	V: FP19-975, P15-1335, P15-1215, ICL12-4385, P14-1319
Apostolopoulos	Ioannis	V: P19-842
Araujo	Paulo	V: FP10-816
Ardern	Clare	V: FP39-1082
Arendt	Elizabeth	V: P28-316, FP27-1168, FP20-314, P28-315
Ares	Oscar	V: P32-1347, P36-1337
Argenson	Jean-Noel	L: ICL19 V: IL16-4002, ICL19-4146, SY26-4181, SY16-4287, SY20-4055
Arnason	Árni	V: P37-1394
Arndt	Joseph	V: P18-1446
Arnold	Markus	L: FP18
Aroen	Asbjorn	L: ICL20, FP42, SY18 V: ICL15-4157, SY35-4159, ICL20-4100
Arrigoni	Paolo	L: FP44 V: ICL26-4240, R10-4393, R10-4394, R10-4395
Asai	Shigehiro	V: P22-683
Askling	Carl	L: PT20, PT22 V: PT12-4310, PT12-4312
Atzei	Andrea	V: ICL21-4253
Audebert	Stéphane	V: SY31-4164
B		
Bae	Ji-Hoon	V: FP26-1049, P24-1036
Bagger Bohn	Marie	V: FP41-1166
Bahr	Roald	L: FP29, KN14 V: SY33-4376, SY10-4415
Bait	Corrado	V: SY23-4050
Baldini	Andrea	L: FP13 V: ICL13-4138, P32-1081, P30-1085, SY38-4209, P30-27
Bali	Kamal	V: P20-126, P20-127
Bandholm	Thomas	V: FP13-664
Banké	Ingo	V: FP38-1378
Bányai	Tamás	V: P22-326
Barenius	Björn	V: FP18-1420
Barié	Alexander	V: FP15-1091
Battistella	Ferdinando	V: ICL21-4247, ICL17-5041
Baudi	Paolo	V: SY24-4171
Baur	Eva-Maria	V: ICL21-4249
Beauffils	Philippe	V: KN26-4032, SY42-4213, FP12-623, SY25-4266
Becher	Christoph	V: P33-1391, P28-1352
Becker	Roland	L: FP26 V: SY42-4214, SY46-4229, SY39-4045
Beitzel	Knut	V: P14-938, FP29-948, FP11-958, P36-965, P15-1204, ICL23-4314
Bellemans	Johan	L: SY42 V: SY26-4180
Belopolsky	Alissa	V: P14-130

Family name	First name	Presentation(s)
Belvedere	Claudio	V: FP13-621
Benazzo	Francesco	L: SY38 V: SY13-4133
Bencke	Jesper	V: FP29-1243
Benea	Horea	V: P21-955
Benedetto	Karl-Peter	L: SY35, ICL15 V: KN28-4029, R11-4404, P23-216, SY35-4161, SY53-4326
Benjaminse	Anne	V: P20-790, P38-633
Bennell	Kim	V: PT11-4119, PT13-4127
Bere	Tone	V: P20-1105, FP29-1116
Berghs	Bart	V: SY22-4206
Berhouet	Julien	V: FP13-704
Biedert	Roland	V: SY27-4039
Bilgic	Erkal	V: P30-1150
Bin	Seong Il	V: SY43-4102, P25-230, P25-10, P25-30
Biosca	Paco	V: R12-4406
Bisicchia	Salvatore	V: P15-840, P20-585, P15-833
Bisson	Leslie	V: P16-307, FP18-312, P18-313, FP14-56
Bizzini	Mario	L: PT12, PT15, FP39
Blankevoort	Leendert	L: FP45
Blond	Lars	V: FP38-538
Blonna	Davide	V: FP15-672, P14-669, FP11-678
Boileau	Pascal	V: P37-1513, P37-1514
Bollars	Peter	V: P27-195, P37-1270
Bonanzinga	Tommaso	V: FP10-618
Bonasia	Davide Edoardo	V: P29-589, FP43-507
Bonin	Nicolas	L: SY36 V: SY36-4109, SY36-4114
Bonnin	Michel	L: SY16 V: SY46-4226, SY44-4331
Bontemps	Gustav	V: P32-1512
Borbas	Paul	V: P15-451
Boykin	Robert	V: FP29-1439
Bradley	Ben	V: P18-483
Branch	Thomas	V: P22-1175, FP20-1170
Braun	Hillary	V: FP16-13, FP27-116
Briard	Jean-Louis	V: ICL13-4137
Briem	Kristin	L: PT21, PT23 V: PT11-4122
Briggs	Karen	V: FP17-692, FP42-1328, P22-1463, P26-1278
Brittberg	Mats	L: ICL24, FP16 V: ICL24-4187
Brophy	Robert	V: P37-1143, P37-756, FP18-1148
Browne	Jon	V: FP10-1181
Bruni	Danilo	V: ICL25-4222, P32-983, SY44-4332
Brzoska	Roman	L: ICL17 V: ICL17-4196, SY31-4168, ICL17-4200
Buchmann	Stefan	V: SY32-4149, P15-374
Buda	Roberto	V: FP16-219
Bulgheroni	Paolo	V: P24-848
Burnett	Robert	V: P32-1516
Buscayret	Florent	V: P19-337, AW11-4442
Busilacchi	Alberto	V: P15-1151
C		
Calder	James	L: ICL14, SY17, SY37 V: SY14-4068
Calvo Diaz	Angel	L: ICL12, FP44 V: KN24-4019, SY11-4429, ICL12-4303
Camacho Chacón	Jorge	V: P15-112
Camillieri	Gianluca	V: P22-1341, P21-1435, P27-1307
Canata	Gian Luigi	V: P21-1448, SY48-4084
Carmont	Michael	V: SY29-4088
Cartucho Pereira	Antonio	L: ICL17 V: ICL17-4192, ICL17-4200, SY11-4427, ICL12-4302, R10-4389
Carvalho	Lucio Honório	V: P26-175
Casalini	Elisabetta	V: NU10-4346
Casartelli	Nicola	V: FP14-344
Catani	Fabio	L: SY46 V: SY26-4183, SY46-4225, P30-911
Celik	Derya	V: P32-1503, P15-1501, P32-1502
Cerulli	Giuliano	L: FP14
Cervaens	Mariana	V: FP29-776
Chambat	Pierre	V: IL12-4015
Chan	Kai-Ming	L: SY55 V: SY55-4419, SY55-4422
Chan	Kok Yu	V: P30-21

Family name	First name	Presentation(s)
Chang	Chong Bum	V: FP31-1029, P23-627, P22-570
Chang	Jihoon	V: FP44-1161
Charousset	Christophe	L: SY24 V: SY24-4170
Chen	Chih-Hwa	V: SY55-4421
Chen	Jerry	V: P32-1051
Chen	Lei-Yen	V: P18-859, FP22-853, P26-857
Cho	Sung Do	V: P32-1147, P22-1134, P30-1149
Choi	Ja-Young	V: P19-571
Choi	Nam-Hong	V: P20-42, FP12-41
Choi	Sung-Wook	V: P15-1201, P15-1230
Cholewinski	Jerzy	V: P22-1404
Chotel	Franck	L: SY25 V: SY25-4268
Chouliaras	Vasileios	V: P33-839, P22-837
Christel	Pascal	V: P20-797
Christen	Bernhard	L: FP31 V: P31-896, P32-904
Chun	Yong-Min	V: P23-726, P15-558
Ciampi	Pietro	V: P15-1436, P15-1292, P15-1015
Ciemniewska-Gorzela	Kinga	V: P33-1154, P26-1226
Cinotti	Gianluca	V: P32-1237, P31-1258
Cip	Johannes	V: FP13-139
Claes	Steven	V: P37-1216, P21-1182, P21-228
Clarsen	Benjamin	V: P38-968, FP29-978
Colle	Francesca	V: P28-1158, P31-1267
Collin	Philippe	V: AW10-382
Colombet	Philippe	L: FP41, ICL27, SY47 V: ICL27-4352, SY47-4358
Combalbert	Laurent	V: SY28-4409
Confalonieri	Norberto	V: SY13-4134, P30-703, P28-699, P32-705
Conteduca	Fabio	V: P30-863
Conti	Marco	V: ICL23-4313
Cools	Ann M.	L: PT17, PT19, ICL23 V: PT10-4117, ICL23-4318
Corradini	Costantino	V: P18-1271
Couppé	Christian	V: AW11-5040
Courage	Olivier	L: NU10 V: NU10-4340
Courtine	Grégoire	V: IL14-4407
Cox	George	V: P29-758, P29-759, P32-173
Cucchiariini Madry	Magali	V: FP16-1260
D		
Dahm	Diane	V: P28-1481, SY16-4283
Danelon	Furio	L: PT24 V: PT14-4309
Darabos	Nikica	V: P21-1312
Dargel	Jens	V: AW11-4437
Dauphin	Nicolas	V: ICL21-4250
Davis	A.	V: P21-1176
De Bo	Thomas	V: AW11-4439
de Girolamo	Laura	V: P26-1112
De Jonge	Suzanne	V: SY29-4089
de Leeuw	Peter	V: ICL14-4060
De Man	Harald	V: SY34-4289
Deethan	David	V: SY30-4296
Dejour	David	L: SY27, SY12, FP38 V: SY27-4035, P28-1346, SY12-4274, SY12-4275, KN36-4281, SY12-4282
Delambre	Jérôme	V: FP33-1510
Delle Rose	Giacomo	V: SY32-4151
Della Villa	Stefano	L: PT15, PT13
Denti	Matteo	L: ICL16, SY55, R12 V: ICL16-4025, SY55-4423
Desai	Aravind	V: P29-959
Deschamps	Gerard	L: SY13 V: SY13-4129, ICL19-4141
Dhollander	Aad	V: P26-671, P26-44, P26-45, P26-50, P27-69
D'Hooghe	Pieter	V: ICL14-4062
Diaz Heredia	Jorge	V: FP11-170
Diehl	Stefan	V: P28-1217
Dienst	Michael	V: R11-4401, SY36-4105
Dimitrakopoulou	Alexandra	V: P17-1475, FP17-1477
Dippmann	Christian	V: P17-532
Djian	Patrick	L: SY10, FP30 V: ICL15-4155

Family name	First name	Presentation(s)
D'Lima	Darryl	V: SY16-4284
Dodd	Christopher	L: FP26 V: ICL19-4142, P30-1127, SY16-4285
Dominguez	Cristian	V: P20-1053
Donley	Brian	V: SY37-4364
Dora	Claudio	V: SY36-4106
Doral	Mahmut Nedim	L: FP22, FP45 V: SY27-4036, SY48-4085
Dragoo	Jason	V: P36-557, FP29-1046, FP40-34, FP35-118, FP14-119, P27-120
Drobnic	Matej	V: P28-1016, P26-485, P27-1022
Drwiega	Michal	V: P28-1320
Duarte Pereira	Hélder Miguel	V: FP41-1248, AW10-744, FP16-961
Dubrov	Vadim E.	L: KN26
Dunn	Warren	V: AW10-1263, P15-701, FP15-717
Dürselen	Lutz	V: FP10-450
Duthon	Victoria B.	V: FP29-650

E

Ebert	Jay	V: AW10-281, P26-289, P26-290, FP16-280
Eddie	Leanne	V: P28-967
Eguchi	Akio	V: P22-1041
Eitzen	Ingrid	L: PT16, PT18 V: PT14-4305, PT14-4308
Ejerhed	Lars	V: P14-836
Ejiri	Soichi	V: P16-611
Ekeland	Arne	V: FP29-442, P29-445, P29-447
Ekstrand	Jan	V: SY50-4078
Elnikety	Sherif	V: P21-318, P19-317
Elsner	Jonathan	V: FP12-549, P24-762
Enea	Daive	V: P26-424
Engelbretsen	Lars	L: SY33, ICL22 V: KN14-4005, SY33-4382, B10-4372, SY50-4080, SY48-4083, SY51-4259, ICL22-4319, ICL22-4322, ICL18-4336
Engelen-van Melick	Nicky	V: FP45-178
Enomoto	Hiroyuki	V: P30-576
Ensini	Andrea	V: FP31-1191
Eriksson	Karl	V: KN34-4333
Ernlund	Lucio	V: SY11-4424
Erquicia	Juan Ignacio	V: P17-1174
Espregueira-Mendes	Joao	L: SY10 V: KN15-4006, KN16-4007, SY10-4413

F

Fabbriciani	Carlo	L: FP10
Fältström	Anne	V: P21-1188
Fansa	Ashraf	V: FP14-14
Faundez	Antonio A.	V: R12-4405
Fauno	Peter	V: ICL10-4246
Feagin	John	V: IL15-4016
Fechner	Alexander	V: P32-936, P28-927, FP14-933
Fehske	Kai	V: P18-1422, P37-1395
Fernandez-Sarmiento	J. Andres	V: P36-640
Ferretti	Andrea	V: ICL27-4351, P30-856
Ficek	Krzysztof	V: P36-882
Filardo	Giuseppe	L: SY29, FP43 V: SY29-4091, P27-518, FP35-574
Fink	Christian	V: SY27-4038, SY39-4047
Fiodorovas	Markas	V: P15-237, P14-238
Fitz	Wolfgang	V: SY20-4057
Fleaca	Radu	V: P27-940
Flurin	Pierre-Henri	V: ICL23-4317
Fontana	Andrea	V: FP17-864
Forssblad	Magnus	L: FP25 V: ICL16-4022
Foss	Ida Stange	V: P13-620
Fotopoulos	Vasileios Ch.	V: AW11-4434
Franceschi	Francesco	V: ICL23-4316, FP19-1094, P36-1096, FP11-1098, P37-1444, P15-1109, P15-1457, FP32-1460, P22-1451, ICL23-4315
Franz	Alois	L: ICL19 V: ICL19-4144
Frisch	Nicholas	V: P15-599
Fritschy	Daniel	L: SP10, IL12, IL14 V: NU13-4338
Frobell	Richard	V: SY33-4381
Frosch	Karl-Heinz	V: SY39-4046
Fu	Freddie H.	V: IL10-4013, SY15-4367

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Fuchs-Winkelmann	Susanne	L: SY30 V: SY38-4208, P30-609, SY30-4293
Fujimaki	Yoshimasa	V: P22-1408, P21-1398
Fujiya	Hiroto	V: P38-551
Funk	Lennard	V: SY24-4172
Furlan	Emanuele	V: P18-1018
G		
Gabriel	Sebastian	V: FP23-49
Gali	Julio	V: P23-167, FP30-257
Garavaglia	Guido	V: ICL12-4386
Gard	Suzanne	L: PT10, PT15
Gardner	Edward	V: P36-1414
Garling	Eric	V: P30-1218
Gatzka	Christian	V: P28-569
Geadá	Nuno Ricardo Goncalves	V: P16-1369
Gelber Ghertner	Pablo	V: P23-232
Georgoulis	Anastasios	L: FP40, SY47 V: SY47-4357
Gervasi	Enrico	V: ICL12-4387
Getgood	Alan	V: FP41-1080, P22-1087, P18-1084
Ghodadra	Anish	V: FP35-665, P27-668, FP22-673
Ghosh	Kanishka	V: FP13-767
Giannini	Sandro	V: P33-221
Gilstad	Tone	V: FP15-561
Gleyze	Pascal	L: SY28, ICL23 V: KN29-4030, P15-1517, P15-1520, ICL17-4193, SY28-4408, SY28-4410, PT10-4118
Gobbi	Alberto	V: P28-1010, ICL24-4188, P26-1430, FP15-1003, P27-993
Gokeler	Alli	V: P21-2
Golano	Pau	L: SY41 V: ICL14-4059, SY50-4077, SY41-4186
Golovakha	Maksym	V: P37-300, P27-97
Gomoll	Andreas	V: ICL24-4190, SY51-4263
Gosh	Milton	V: SY26-4185
Goudelis	George	V: P27-39
Goyal	Ankit	V: P18-1055, P23-619, FP33-631
Goyal	Deepak	V: ICL24-4191
Granan	Lars-Petter	V: ICL20-4098
Granata Jr	Geraldo Sérgio Mello	V: FP30-1484
Griffith	Chad	V: ICL22-4320, ICL22-4321
Grindem	Hege	L: PT16, PT18 V: SY33-4380
Guillen Garcia	Pedro	V: P23-1219, KN30-4031
H		
Haag	Manuel	V: P15-1495
Haber	Mark	V: FP11-1102, P15-1156
Hafez	Mahmoud	V: SY20-4053
Hägglund	Martin	V: FP29-452
Hajduk	Grzegorz	V: P30-929
Haklar	Ugur	V: P24-985
Hal	Martin David	V: SY36-4113
Halewood	Camilla	V: P24-81
Hangody	Laszlo	V: AW11-4443
Hannouche	Didier	L: FP42
Hansson	Magdalena	V: P17-597
Hantes	Michael	L: FP25 V: ICL16-4021, FP10-785, P24-919, P23-1268, P21-740
Hapa	Onur	V: P19-93
Hašpl	Miroslav	V: P21-1363
Hara	Yo	V: P19-117
Haragus	Horia	V: P22-1213
Hardeman	François	V: FP12-249
Hardy	Philippe	L: IS10 V: IS10-4412
Harris	Simon	V: P28-1131
Hart	Radek	V: P27-65, FP18-68
Hartz	Claudia	V: P26-915
Hashimoto	Yusuke	V: P20-824, P20-822
Hassaballa	Mo	V: FP31-1464
Hatayama	Kazuhiisa	V: FP41-54
Havlas	Vojtech	L: ICL11 V: ICL11-4230, ICL11-4235

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Heesterbeek	Petra	V: P32-535, FP31-521, P30-523
Heikenfeld	Roderich	V: P14-923
Hensler	Daniel	V: FP38-1316
Herbort	Mirco	V: P21-1374
Hermanowicz	Krzysztof	V: FP29-1009, FP14-1002
Hernan Prado	Miguel Angel	V: P19-541
Hernigou	Philippe	L: SY44 V: ICL19-4143, SY44-4329
Hetsroni	Iftach	V: FP17-258, ICL18-4335
Hewett	Timothy E.	V: IL11-4014
Heyse	Thomas J.	V: FP26-1165
Hiemstra	Laurie	V: P28-1483, P28-306
Higgins	Caroline	L: NU12 V: NU11-4345
Hinarejos	Pedro	V: FP31-774, FP31-868
Hiranaka	Takafumi	V: P19-176
Hirschmann	Michael Tobias	V: P24-545, P25-100, P26-240, P20-1334, SY19-4273
Hoffeiner	Thomas	V: P21-1300
Höfling	Imke	V: P15-425, P15-427
Hofmann	Siegfried	L: KN21 V: SY38-4210
Höher	Jürgen	V: P18-913, SY12-4277, P23-1023, ICL10-4244
Hohman	Donald	V: P19-62
Hohman Jr	Donald	V: P18-979
Hoksrud	Aasne Fenne	V: FP28-861
Holm	Bente	V: P31-651
Hölmich	Per	V: P19-1155
Holwein	Christian	V: P20-689
Hoshino	Yuichi	V: FP41-512
Howell	Stephen M.	V: SY42-4216, SY20-5042
Howells	Nick	V: P28-392, P28-393, P28-383
Huard	Johnny	V: KN18-4012, IL17-4008
Hufeland	Martin	V: P17-942
Hulet	Christophe	L: SY31, FP12, SY19, NU13
Hussein	Mohsen	V: ICL10-4243
Huylebroek	Jose	V: SY48-4086
Hwang	Sun Chul	V: P18-821

I

Imhoff	Andreas B.	L: SY39 V: SY39-4044, SY32-4149, SY24-4173
In	Yong	V: P32-811
Indelicato	Peter	L: SY10 V: SY10-4418
Inderhaug	Eivind	V: P21-1295
Iñiguez	Magaly	V: FP39-1474, FP12-1348
Innami	Ken	V: FP14-1101
Inoue	Masayuki	V: FP30-831
Intzoglou	Konstantinos	V: FP43-1138
Iosifidis	Michalis	V: P18-1392, FP43-1355
Iriuchishima	Takanori	V: P20-89, P18-90
Irrgang	James	L: FP29, PT14
Ishibashi	Yasuyuki	V: P23-492
Item	Julia	V: P20-658

J

Jain	Neil	V: P37-951, P37-1415, P34-1052, P37-810
Jain	Sameer	V: FP22-1485
Janarv	Per-Mats	V: SY25-4269
Jang	Ki-Mo	V: FP16-742
Jang	Suk-Hwan	V: P19-1139
Janssen	Rob	V: P31-158, P21-161
Järvelä	Sally	V: P24-897
Järvinen	Tero	V: KN20-4027
Jelic	Mislav	L: KN15, KN32
Jermolajevs	Viktoras	V: ICL17-4199
Jones	Grant	V: FP19-463
Jost	Bernhard	V: SY31-4166
Juhl	Carsten	V: PT11-4120

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K		
Kachooei	Amir Reza	V: P23-287
Kaeding	Christopher	V: P19-782, P20-791
Kamineni	Srinath	L: FP19 V: ICL17-4203, P15-681, P16-1354, P16-693
Kanatii	Ulunay	V: ICL12-4301
Kanazawa	Tomonoshin	V: P20-552
Kaplan	Yonatan	V: P20-190, P38-191, FP14-192, P17-194
Kaptein	Bart	V: SY19-4270
Karahan	Mustafa	L: FP20, ICL11 V: ICL11-4232, ICL11-4234
Karlisson	Jon	L: KN34, R13, SY14, B10 V: SY33-4382, SY14-4065
Kartus	Juri	L: ICL10
Kauther	Max Daniel	V: P37-475
Kawaguchi	Yasuyuki	V: P22-98
Kaya	Defne	V: P36-935
Kaynak	Haydar	V: P16-356
Kecojevic	Vaso	L: KN30
Kekilikci	Kenan	V: P20-825
Kelberine	Francois	L: SY29, SY48 V: ICL26-4239, SY29-4087, SY29-4092
Keller	Richard	V: P32-1118
Kerkhoffs	Gino	L: SY50, SY17, SY14, SY21 V: ICL14-4063, R11-4402, SY14-4064, SY17-4074, SY50-4079
Kessler	Oliver	V: SY42-4212
Khan	Tanvir	V: FP10-771, P25-567
Kievit	Arthur	V: P18-73
Kim	Jae Gyoon	V: FP10-436, P20-488
Kim	Jin Goo	V: P23-1032
Kim	Jong In	V: P29-819
Kim	Young-Mo	V: P33-400, P25-401, P25-404
Kimura	Yuka	V: P21-765
Kjartansdottir	Inga Hrund	V: P33-1273
Klauser	Wolfgang	L: SY34 V: SY34-4291
Klos	Burt	L: ICL27 V: ICL27-4355, P24-1434
Knoll	Zsolt	V: P21-182
Knudsen	Andreas	V: P37-1160
Kobayashi	Takashi	V: P15-1195
Kocaoglu	Baris	V: FP11-1410
Koch	Peter Philipp	L: FP15, FP23 V: P30-454
Kodkani	Pranjal	V: P29-555, P28-201, P37-199
Kohn	Dieter M.	V: B16-4373
Kohn	Ludwig	V: P28-295
Komatsu	Fumito	V: P34-502
Komatsu	Takashi	V: P15-900
Kon	Elizaveta	L: PT13, SY51, B14, SY18 V: R11-4400, P26-220, P27-577, FP27-581, SY51-4262, KLN32-4383
Koo	Kevin	V: P30-1020
Kopf	Sebastian	V: P21-1234, P22-1325, FP10-1487
Korolev	Andrej	L: FP11 V: ICL17-4201
Kosaka	Masahiro	V: P22-815
Kovacic	Ladislav	L: KN35, KN11 V: FP24-1336
Krosshaug	Tron	V: FP32-1403
Kucukdurmaz	Fatih	V: KN31-4033
Kuksov	Vitaly	V: P37-188
Kunac	Nino	V: P17-787
Kunamneni	Adinarayana	V: P16-1480, P16-1326
Kuroda	Ryosuke	V: P18-435
Kurowska	Emilia	V: P25-1367
Kusano	Masashi	V: P22-889
Kvist	Joanna	V: FP39-247
L		
Lädermann	Alexandre	V: P14-971, P15-976, P14-982, P15-757, P14-988
Lamb	Joshua	V: P33-18
Langenhan	Ronny	V: P36-1450
LaPrade	Robert	L: KN13 V: FP30-419, P23-381, SY18-4256, ICL22-4321, ICL22-4323
Larrain	Mario	V: SY11-4428
Laumonier	Thomas	V: P35-648

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Laursen	Jens Ole	V: P26-1389
Leach	William	V: FP31-1452
Lebel	Benoît	V: SY19-4271
Lee	Beom Koo	V: P19-134, P19-136, P18-137, P27-141, P22-11
Lee	Choon-Key	V: P24-1043
Lee	Myung Chul	V: P30-1054, P25-906, P30-912
Lee	Sahngsoon	V: P18-914
Lee	Sang Hak	V: P25-1067, P21-1476, P21-1068, FP15-362
Lee	Seung Joo	V: P19-330, P21-331
Lee	Yee Han Dave	V: P20-977
Lee	Yong Seuk	V: P23-133
Lee Yee Han	Dave	V: FP25-412
Lefebvre	Yves	V: SY31-4165
Lempainen	Lasse	V: P35-801, P32-895
Lengnick	Harald	V: P32-423
Lenschow	Simon	V: P21-829
Leon Munoz	Vicente	V: P32-368, P32-369, P29-370, P30-386
Leyes	Manuel	V: P37-1472
Liantsis	Athanasios	V: P25-293
Liebensteiner	Michael	V: FP13-1424, FP31-1017
Lind	Martin	V: P25-808
Ling	Marcus	V: P17-1241
Löcherbach	Claus	V: P37-606
Logerstedt	David	V: FP39-1205, FP13-1228
Lohrer	Heinz	V: SY52-4094
Loken	Sverre	L: ICL20 V: ICL20-4096
London	Nicholas J.	V: P27-615
Longo	Umile Giuseppe	L: FP14 V: SY37-4362, SY23-4051, SY32-4147, SY14-4067
Lopez-Vidriero	Emilio	V: SY41-4186
Lopomo	Nicola	V: SY49-4177, P22-1095, P19-1162, SY12-4278
Loriaut	Philippe	V: P28-12
Lozano	Luis	V: P32-497
Lubiatowski	Przemyslaw	V: P15-780, P15-1399, FP11-877
Luchetti	Ricardo	L: ICL21 V: ICL21-4251, ICL21-4252
Ludvigsen	Tom Clement	L: FP17 V: SY11-4425, KN25-4020
Lukasik	Piotr	V: FP41-946, P20-1351
Lund	Bent	V: P18-992, P17-998
Lundgreen	Kirsten	V: IS10-4412
Luyckx	Jean-Philippe	V: FP13-261
Luyckx	Thomas	V: P32-1505
Lynch	Andrew	V: FP15-1255, P21-1277
M		
Machado	Thierry	V: P35-807
Madonna	Vincenzo	V: SY23-4052
Mady	Henning	L: ICL24, IL17, FP35, SY55, AW11 V: ICL24-4189, FP42-360, SY51-4260, AW11-4438, SY55-4423
Maeda	Shugo	V: P22-1419
Maenhout	Annelies	L: PT17, PT19 V: PT10-4116
Maestro	Antonio	V: P19-1004, P19-1008, P19-1364, SY53-4327, P37-1245, P37-1265
Maestu	Rodrigo	V: SY11-4426
Maffioletti	Nicola A.	V: PT11-4123
Maffulli	Nicola	L: SY52, FP28 V: SY49-4179, R11-4403, SY52-4095
Mahieu	Nele	V: P36-499
Mainard	Didier	V: FP42-1349
Makridis	Konstantinos	V: FP30-789, FP45-793
Malinowski	Konrad	V: P21-1425
Malliaropoulos	Nikolaos	V: SY52-4093
Mammoto	Takeo	V: P19-1146
Mann	Gideon	V: SY48-4081
Månsson	Olle	V: P21-28
Maqdes	Ali	V: P15-531
Marcacci	Maurilio	L: SY42 V: SY42-4215, ICL25-4221, SY49-4178, SY20-4054
Marcheggiani Muccioli	Giulio Maria	V: P30-587, P24-670, FP12-666, FP25-654
Margheritini	Fabrizio	V: SY23-4049, ICL15-4156

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Marican	Mizan	V: P15-572
Marlovits	Stefan	V: SY19-4272
Marmotti	Antonio	V: FP16-886, AW11-4436, P26-910, FP21-1249
Martin	Robin	V: FP21-292
Marx	Robert G.	L: ICL18 V: ICL18-4337
Massada	Marta	V: P17-95, P13-96
Mataragas	Elias	V: ICL11-4411
Matheny	Lauren	V: FP14-1339
Mathoulin	Christophe	V: ICL21-4388
Matias	Ricardo	V: P14-1443
Mayer	Jörg	V: P15-460
Mayr	Hermann O.	L: SY39, FP40, ICL25 V: ICL25-4242, SY39-4042, SY16-4286, FP33-57
McGarvey	Ciaran	V: P22-1342
Meidinger	Gebhart	V: P28-1343
Melegati	Gianluca	L: PT12 V: ICL16-4026
Melinte	Razvan Marian	V: P24-1508
Melton	Joel	V: P20-174
Menakaya	Chinyelu	V: FP22-1199
Menetrey	Jacques	L: SP10, ICL16, IL10, AW10, SY28 V: ICL15-4153, SY35-4162
Messerli	Guy	V: P32-887
Messina	Jane	L: ICL21 V: ICL21-4252
Metzlaff	Sebastian	V: P26-925
Middleton	Kellie	V: P21-1288
Mihelic	Radovan	L: FP24 V: ICL11-4233, KN25-4020
Mikaelsen	Jan	V: P28-798
Mikek	Martin	L: SY54 V: SY54-4349
Miki	Shinya	V: P34-354
Milankov	Miroslav	V: P21-58
Milano	Giuseppe	L: SY24, KN24 V: SY24-4174
Minguell	Joan	V: P19-323
Mir	Seyed Mohsen	V: P20-245
Miyamoto	Satoshi	V: P32-37
Miyamoto	Wataru	V: P33-414
Miyatake	Katsutoshi	V: FP11-395
Miyatake	Shin	V: FP30-1465
Mizuno	Naoko	V: P15-467
Mogos	Stefan	V: P18-806
Mohtadi	Nicholas	V: FP23-482
Moksnes	Håvard	L: PT20, PT22 V: PT12-4311, P20-472, ICL22-4324
Monaco	Edoardo	V: P21-433
Monga	Puneet	L: FP24 V: SY24-4172, IS10-4412, SY31-4167
Monllau	Joan C.	L: FP27, FP43 V: NU11-4342
Monteiro	Eurico	V: P37-1242
Mora	Gonzalo	L: FP33 V: ICL15-4152
Mouton	Caroline	V: SY12-4276, P21-449
Muellner	Thomas	V: NU10-4344
Müller	Werner	L: IL15
Murawski	Christopher	V: FP14-15, P33-16, P33-17, P33-31
Murray	David	L: SY13 V: SY13-4130
Murray	David	V: P37-1442
Musahl	Volker	L: SY12 V: SY12-4274, SY12-4282, P22-702, SY12-4280

N

Nakamura	Norimasa	V: SY18-4258
Nakase	Junsuke	V: P19-602
Naveed	Masroor	V: P28-23
Nebelung	Sven	V: P20-477
Nehrer	Stefan	V: FP16-536
Nelitz	Manfred	V: P28-1324
Neyret	Philippe	L: KN28, ICL13, KN16 V: ICL13-4136
Nha	Kyung	V: P29-4, P19-562, P25-820
Nicholls	Micah	V: P18-1356
Niemeyer	Philipp	V: ICL25-4219

Family name	First name	Presentation(s)
Nilstad	Agnethe	V: FP23-1171
Nishimori	Yasuhiro	V: P22-560
Nishizawa	Yuichiro	V: P22-1075, FP10-1108
Norgren	Crystal	V: P16-1362
Norman	Daniel	V: FP40-1071
Nourissat	Geoffroy	V: SY32-4148
Nozaki	Masahiro	V: P20-1061
Núñez	Montserrat	V: P32-200
Nyland	John	V: P18-410, P20-409

O

Ochi	Mitsuo	L: SY55 V: SY27-4037, SY55-4420, SY47-4359
Oesterhelt	A.	V: FP40-465
Ögüt	Tahir	V: ICL14-4061
Ohashi	Yoshinori	V: P18-622
Oiestad	Britt Elin	V: ICL20-4099, P21-628
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Parwez	Tarek	V: FP31-1469
Pasa	Libor	V: P25-1359
Pascarella	Fabio	V: FP20-869, P37-614
Patzner	Thilo	V: P26-680, FP44-747, FP11-779
Pavlovich	Iñigo	V: KN13-4004
Pederzini	Luigi	L: KN12 V: ICL26-4238
Peersman	Geert	V: SY13-4128
Pena	Fernando	V: SY21-4071
Peretti	Giuseppe	L: FP16 V: P26-1393, P27-1331
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Pianigiani	Silvia	V: P30-1183, FP45-1224
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Pinto	Mauricio Pedro	V: P18-1318
Piontek	Tomasz	L: KN31 V: P24-1097, P17-1236
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Pompe	Borut	V: P27-1289
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Potel	Jean-François	V: P26-608
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Predescu	Vlad	V: P18-953
Prejbeanu	Radu	L: FP33, KN10 V: P20-922
Price	Andrew	V: P20-1027
Prinja	Aditya	V: P26-751
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Rahu	Madis	L: FP32
Raman	Raghu	V: P27-208, P26-209
Randelli	Filippo	V: SY36-4110
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Reider	Bruce	L: B10
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Risberg	May Arna	L: PT11, PT15 V: SY33-4377, PT13-4124, SY18-4257
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Robert	Henri	V: P20-901, SY12-4279
Robin	Christine	L: NU11 V: NU12-4347
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Rodkey	W.	L: FP35
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Sadri	Hassan	L: SY36 V: SY36-4108, SY36-4114, NU12-4343
Safran	Marc	L: ICL26 V: KN12-4003, SY15-4368, FP17-719, SY36-4112, ICL26-4241, P17-1179, P15-579, FP24-575, FP17-720, P37-721
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Sarmah	Sasanka	V: P37-1119, P20-1225
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Savvidis	Matthaios	V: P37-1388
Scheffler	Sven	L: FP22, FP30, ICL 18 V: R11-4398, ICL15-4154, P28-941
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Seil	Romain	L: SY15, KN29 V: SY15-4366, SY49-4176, SY48-4082, SY10-4417, NU13-4339

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Seo	Hee-Soo	V: P14-907
Seo	Seung-Suk	V: P32-1489, P30-1488
Seo	Young-Jin	V: P22-1078
Servien	Elvire	L: SY50, FP23, KN27, KN18, KN20 V: SY27-4040, P32-76, P29-77
Shafizadeh	Sven	V: FP45-954
Sharma	Vishwadeep	V: P15-871
Shi	Dongliang	V: FP41-580
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Shivonen	Raine	V: AW11-4435
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Siebold	Rainer	L: SY25, ICL10 V: R11-4397, SY25-4265, SY47-4360, ICL10-4245, NU11-4341
Sillanpää	Petri	V: P28-981
Silva	Alcindo	V: P19-1461
Sivertsen	Einar	V: ICL20-4097
Sluittel	Daniel	V: SY11-4430
Smigielski	Robert	L: SY21, FP15 V: P21-1350
Smith	Michael	V: PT10-4115
Smolinski	Patrick	V: P20-795, P20-741, P20-805, FP12-879
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Thorey	Fritz	V: P17-987, P17-994, P17-1001
Tiberiu	Bataga	V: P26-891
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Tolk	Jaap	V: P30-160
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Visnes	Håvard	V: FP28-596
Vogrin	Matjaz	V: SY29-4090
Volpi	Piero	L: SY23
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Widuchowski	Wojciech	V: SY18-4255
Wiegerinck	Jan Joost	V: SY37-4361
Wiewiorski	Martin	V: FP14-351, P33-352
Wiik	Anatole	V: FP26-760, SY49-4175
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R11-4400	96	SY18-4256	28	SY29-4090	64	SY38-4211	83	SY53-4328	105
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R11-4402	96	SY18-4258	28	SY29-4092	64	SY39-4043	87	SY54-4349	106
R11-4403	96	SY19-1107	110	SY30-4293	54	SY39-4044	87	SY54-4350	106
R11-4404	96	SY19-4270	110	SY30-4294	54	SY39-4045	87	SY55-4419	23
R12-4405	96	SY19-4271	110	SY30-4295	55	SY39-4046	87	SY55-4420	23
R12-4406	96	SY19-4272	110	SY30-4296	55	SY39-4047	87	SY55-4421	23
R13	89	SY19-4273	110	SY30-4297	55	SY41-4186	80	SY55-4422	23
SY10-4413	22	SY20-4053	32	SY30-4298	55	SY42-4212	84	SY55-4423	23
SY10-4414	22	SY20-4054	32	SY30-4299	55	SY42-4213	84		
SY10-4415	22	SY20-4055	32	SY31-4163	37	SY42-4214	84		
SY10-4416	23	SY20-4057	32	SY31-4164	37	SY42-4215	84		
SY10-4417	23	SY20-5042	32	SY31-4165	37	SY42-4216	84		
SY10-4418	22	SY21-4069	42	SY31-4166	37	SY43-4101	94		
SY11-4424	24	SY21-4070	42	SY31-4167	37	SY43-4102	94		
SY11-4425	24	SY21-4071	42	SY31-4168	37	SY43-4103	94		
SY11-4426	24	SY21-4072	42	SY31-4169	37	SY43-4104	94		
SY11-4427	24	SY22-4204	63	SY32-4147	52	SY44-4329	108		
SY11-4428	24	SY22-4205	63	SY32-4148	52	SY44-4330	108		
SY11-4429	24	SY22-4206	63	SY32-4149	52	SY44-4331	108		
SY11-4430	24	SY23-4048	63	SY32-4150	52	SY44-4332	108		
SY11-4431	24	SY23-4049	63	SY32-4151	52	SY46-4225	108		
SY12-4274	35	SY23-4050	63	SY33-4376	50	SY46-4226	108		
SY12-4275	35	SY23-4051	63	SY33-4377	50	SY46-4227	108		
SY12-4276	35	SY23-4052	63	SY33-4378	50	SY46-4228	108		

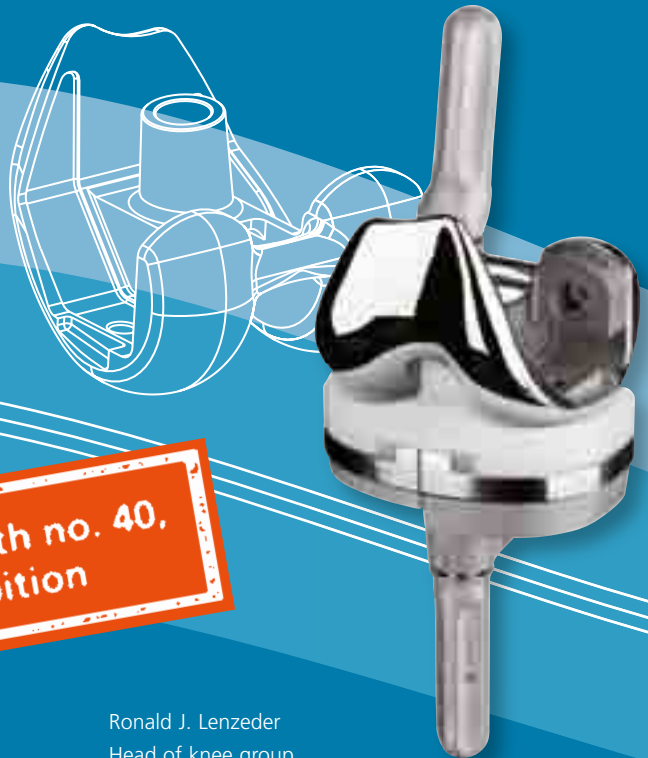
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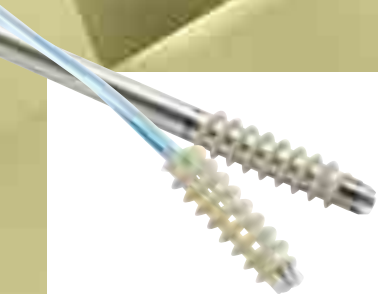
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Ronald J. Lenzeder
Head of knee group



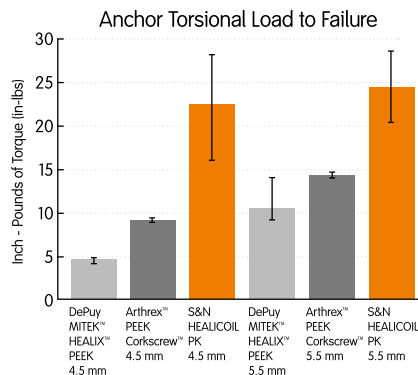
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 Suture Anchor

Open architecture. Open possibilities.

The HEALICOIL PK Suture Anchor – make more of your rotator cuff repairs with less material.¹

- **Open-architecture design** differs from solid-core implants by eliminating the inner-diameter material, allowing the bone to interdigitate within the anchor thread profile.
- **Extended anchor threads** provide more threaded engagement than the two leading competitive anchors and significantly greater anchor pullout strength.²

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The HEALICOIL PK Suture Anchor displayed significantly greater resistance to torsional load failure during insertion than the competitive anchors shown above.²

1,2 ITR-4700 – HEALICOIL Suture Anchor competitive testing. Data on file, September 2011.