12th ESSKA 2000 Congress
May 24-27 2006
Innsbruck / Austria

Final Programme
www.esska2006.com
Intelligent Surgery

Its success is founded on leadership in the development of:
- Advanced Mobile Bearing Technology
- A Progressive Pathway to Ci Minimally Invasive Surgery
- Professional Education

To find out more visit us at our booth at ESSKA in May 2006.
Dear Colleagues and Members of ESSKA 2000

The European Society of Sports Traumatology, Knee Surgery and Arthroscopy has the pleasure of inviting you to the 12th ESSKA 2000 Congress in Innsbruck from May 23rd to 27th 2006.

Innsbruck is an old university town with 130,000 inhabitants and approximately 25,000 students. It is located in the heart of the Alps and is surrounded by magnificent scenery. At this time of the year the mountains are snow capped and the valleys, fields and gardens are green and populated by a variety of multicoloured flowers. In the centre of town are many famous historical buildings which are within walking distance of the convention centre where all the excursions and social activities can be booked directly on-site.

The scientific programme will feature 15 Instructional Course lectures, more than 200 podium paper presentations and over 450 posters.

This year’s congress introduces three new and exciting features. Out of more than 800 submitted abstracts - all papers were anonymously evaluated by the scientific committee using the same scoring system - the 6 papers with the highest scores will compete for the Theo von Rens Award as the best paper of the congress in a separate session.

On Thursday there will be a full day of Rehabilitation and Physiotherapy lectures organized by May Arna Risberg and Roland Thomeé.

On Friday a full day of lectures and workshops for surgical nurses will be organized by Giuliano Cerulli, Ferran Montserrat and Francois Kelberine. Both these will be in addition to the normal programme.

Please note that each day is arranged with Instructional Course lectures between 7:30 and 8:45 h followed by a plenary session with invited scientists for highlight lectures starting at 9:00 h. From approximately 10:00 h we will run 4 to 5 rooms with parallel programmes of symposia, lectures, free papers, debates and regional symposia.

The Orthopaedic companies will run lunch symposia between 12:30 h and 14:00 h Wednesday to Friday demonstrating the latest technology available in Knee Surgery, Sports Traumatology and Arthroscopy.

We cordially welcome you to Innsbruck to share both our innovative scientific and exciting social programmes.

Karl Peter Benedetto  
Chairman of the Congress

Neil Thomas  
President of ESSKA 2000

Lars Engebretsen  
2006 Programme Chair

Jon Karlsson  
2006 ICL Chair
# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome address</td>
<td>3</td>
</tr>
<tr>
<td>Programme at a glance</td>
<td>7 - 11</td>
</tr>
<tr>
<td>Scientific programme Wednesday</td>
<td>12 - 31</td>
</tr>
<tr>
<td>Scientific programme Thursday</td>
<td>32 - 50</td>
</tr>
<tr>
<td>Scientific programme Friday</td>
<td>51 - 67</td>
</tr>
<tr>
<td>Scientific programme Saturday</td>
<td>68 - 74</td>
</tr>
<tr>
<td>Lunch workshops</td>
<td>75 - 82</td>
</tr>
<tr>
<td>Posters</td>
<td>83 - 137</td>
</tr>
<tr>
<td>Exhibitors list and exhibition plans</td>
<td>138 - 145</td>
</tr>
<tr>
<td>Sponsors</td>
<td>146</td>
</tr>
<tr>
<td>Social programme and tours</td>
<td>147 - 151</td>
</tr>
<tr>
<td>General information</td>
<td>152 - 153</td>
</tr>
<tr>
<td>Speakers and Chairmen</td>
<td>154 - 156</td>
</tr>
<tr>
<td>Authors index</td>
<td>157 - 174</td>
</tr>
</tbody>
</table>
The balanSys™ UNI system provides:

- Minimally invasive surgical technique
- The first and unique tensor technique allows controlled ligament balancing
- Fixed and mobile bearing components
- For medial and lateral osteoarthritis
- Bone preserving prosthesis design

The balanSys™ knee system stands for premium Swiss quality implants and instruments!

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**ESSKA 2000 board**

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**Programme Chair:** Lars ENGBRETSEN  
**ICL Chair:** Jon KARLSSON

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<td>16:00</td>
<td>Free Papers – Meniscal injuries</td>
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<td>Symposium 2</td>
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<td>Symposium 8</td>
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<td>Partial and full size chondral defects in the ankle - current concepts.</td>
<td>Patellar instability - new approaches</td>
<td>Knee rehabilitation, from ACL injury to knee OA</td>
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<td>Is there a basic science rationale for the ‘Envelope of function theory’?</td>
<td>Current trends in skiing injuries</td>
<td>Anatomic double-bundle ACL reconstruction: The biomechanics and clinical outcome</td>
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<td>Mini-Symposium: The Scandinavian ACL Registry: Why it will change ACL surgery in the future!</td>
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<td>Clinical Corner</td>
<td>Difficult elbow problems; Case presentations</td>
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<td>Non-contact ACL injuries revisited: injury mechanisms and prevention</td>
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<td>Thermal chondroplasty using radiofrequency energy</td>
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<td>Symposium 15 - Current aspects in the treatment of the PCL (Symposium Managed by Karl-Heinz Muller, MSc, Germany)</td>
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<td>Symposium 16 - Knee arthritis: total knee replacement, including minimal invasive surgical (MIS) techniques (Symposium Managed by Patrick Boileau, France)</td>
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<td>Symposium 18 - Poster- and oral presentations (Symposium Managed by Monta pavlicek, Czech Republic)</td>
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<td>Multidirectional instability of the gleno-humeral joint</td>
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<td>Challenging elbow problems</td>
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<td>Posterolateral knee injuries: Anatomy clinically relevant biomechanics, diagnosis, and surgical treatment</td>
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<td>The risk of osteoarthritis after an ACL injury</td>
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<td>Minimal Invasive Surgery in TKA: is it worth the effort?</td>
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Saturday, May 27th 2006
Wednesday, May 24th 2006

9:00 Opening ceremony
N. P. Thomas, UK, K. P. Benedetto, Austria, L. Engebretsen, Norway

9:10 The Ejnar Eriksson lectureship – Inaugural lecture
Introduction: N. P. Thomas, UK
The history of ESSKA 2000
E. Eriksson, Sweden

9:25 Highlight lecture
Chairman: N. P. Thomas, UK
Basic biomechanics and knee kinematics
A. Amis, UK

9:45 Highlight lecture
Chairman: N. P. Thomas, UK
News in tissue engineering
M. Ochi, Japan

10:05 Coffee break – Visit industrial exhibition

10:30 Free Papers – ACL
Moderators: J. Menetrey, Switzerland, G. Camillieri, Italy

**Double bundle ACL**

O-43 Double-bundle ACL reconstruction: single versus double incision.
F. Giron, P. Aglietti, P. Cuomo, M. Losco, N. Mondanelli, Italy

O-34 Double bundle ACL reconstruction – does ST tendon quality and grafts preparation influence the results?
B. Sadlik, A. Solecki, R. Brzoska, Poland

O-35 ACL reconstruction - „anatomic double – bundle” technique (formerly and present)
V. Remizov, N. Erchan, Republic of Moldova

O-45 ACL reconstruction with hamstrings: Prospective randomized comparison of „double-bundle” to „single-bundle” technique
R. Siebold, C. Dehler, Germany

Discussion

**Double bundle ACL**

O-36 The two bundles of the anterior cruciate ligament: anatomical and histological study in human fetuses
M. Ferretti, E. Levicoff, T. Mcpherson, B. Zelle F. Fu, USA

O-37 Prospective randomized study of single plus lateral plasty versus double bundle ACL technique. Results at minimum 3 years f.u.
S. Zaffagnini, M. Marcacc, F. Iacono, M. Lo Presti, D. Brun, G. Giordano G., M. P. Neri, Italy

O-38 Biomechanical evaluation of two techniques for double bundle ACL reconstruction: One tibial tunnel versus two tibial tunnels.
W. Petersen, H. Tretow, A. Weimann, M. Herbort, M. Raschke, T. Zantop, Germany

O-33 Arthroscopic evaluation of anatomic two-bundle anterior cruciate ligament reconstruction using hamstring tendon autografts
**Discussion**

**DOUBLE BUNDLE ACL**

_P. Cuomo, R.K. Boddu Siva Rama, A.M.J. Bull, A. Amis, Italy, USA_

O-41  Assessment of femoral fracture risk: a finite element analysis of single versus double-bundle ACL reconstruction.  
_F. Fu, K. Bell, M. Egan, L. Gilbertson, P. Smolinski, USA_

O-42  Can the double-bundle technique restore the normal tibiofemoral relationship after successful ACL reconstruction?  
_T. Ogawa, Y. Takeda, K. Fuji, R. Satoh, A. Naruse, A. Minato, Japan_

O-32  Prospective-randomized comparison of single antero-medial, single postero-lateral and anatomic ACL reconstruction  
_M. Yagi, R. Kuroda, Y. Hoshino, K. Nagamune, K. Mizuno, M. Yamaguchi, H. Murats, S. Yoshiya, M. Kurosaka, Japan_

**Discussion**

**12:00**  Lunchbreak

**12:15**  Lunchworkshops

**13:30**  Socratic debate: Single versus double-bundle ACL reconstruction  
Chair: U. Jørgensen, Denmark  
For: T. Muneta, Japan (double- bundle)  
Against: T. Wredmark, Sweden (single- bundle)

**14:00**  Symposium 1

ACL injuries and reconstruction. Current strategies and unsolved questions.  
Chairs: J. Karlsson, K. Eriksson, Sweden

Evidence based differences in graft selection  
Donor site morbidity: facts and myths following patellar tendon graft harvest  
J. Karlsson, Sweden

Donor site morbidity following hamstring tendon harvest, one or two tendons  
Tunnel positioning and PCL impingement, a cause for graft elongation and flexion deficit  
Graft ingrowth in bone tunnels, the biological approach, an overview  
K. Eriksson, Sweden

Tunnel widening, a critical analysis  
Gait patterns following ACL reconstruction, differences between grafts  
J. Feller, Australia

Patient demands and graft selection in ACL reconstruction  
M. Denti, P. Volpi, Italy

Periosteal augmentation of tendon grafts to seal the tunnel entrance and to enhance ingrowths  
H. Robert, France

Bioabsorbable or metal interference screws in patellar tendon graft fixation. Clinical and experimental results  
J. O. Drogseth, Norway

The ACL injury and its consequences in terms of OA, historical opinions and contemporary facts  
H. Roos, Sweden
**Wednesday, May 24th 2006**

15:30  **Coffee break - Visit industrial exhibition**

16:00  **Free Papers – Meniscal injuries**  
Moderators: L. Konradsen, Denmark, S. Zaffagnini, Italy

**MENISCAL REPAIR AND RADIOLOGY**

O-123  MRI high-signal intensity in the medial menisci of the young patients with a complete type lateral discoid meniscus.  
Y. Takeda, K. Fuji, R. Satoh, T. Ogawa, A. Naruse, A. Minato, Japan

O-118  Does magnetic resonance imaging (MRI) reduce arthroscopy rates in patients awaiting knee arthroscopy? A randomised controlled trial.  

O-120  Clinical assessment by orthopaedic specialist: Is it necessary prior to knee MRI scan in patients with suspected internal derangement of the knee?  
J. Arora, J. J. Malal, A. C. Ogden, UK

O-121  MRI measurement of the contralateral normal meniscus is a better method of determining meniscal allograft size than measurement of the recipient tibial plateau.  
C. Prodromos, B. Joyce, B. Keller, USA

**Discussion**

**MENISCAL REPAIR AND RADIOLOGY**

O-117  Is grade IV chondromalacia a meniscus allograft contraindication?  
J. Lubowitz, D. Guttman, J. Reid, USA

O-119  Regional differences in integrative healing of the meniscus in vitro.  
A. Hennerbichler, F. Moutos, D. Hennerbichler, B. Fermor, B. Weinberg, F. Guilak, Austria, USA

O-122  Enhancement of the repair of meniscal wounds in the red-white zone (middle third) by injection of bone marrow in canine model  
M. Abdel-Hamid, M. Hussein, A. Fathy, E. Elgezawi, Egypt

O-124  Intra-articular analgesia for arthroscopic meniscectomy with morphine, sufentanil or remifentanil – a placebo-controlled and double blind randomized study  
A. Irenberger, J. Oberladstätter, A. Rene, J. Hans, A. Van Goedecke, T. Luger, C. Fink, Austria

**Discussion**

17:00  **Symposium 2**

**Treatment of OA prior to TKA Osteotomies, Uni-Spacer, Uni-Knee**  
Chair: N. Friederich, Switzerland

Treatment of cartilage defects  
R. Jakob, Switzerland

Osteotomies about the knee  
P. Lobenhoffer, Germany

Uni-Spacer - chances and risks  
A. Ellermann, Germany

Uni-Knee, the alternative  
F. Hoffmann, Germany

18:00  **Adjourn**
Wednesday, May 24th 2006

10:00  Coffee break - Visit industrial exhibition

10:30  Free Papers – Shoulder
Moderators: J. C. Leitao, Portugal, T. C. Ludvigsen, Norway

**ROTATOR CUFF**

O-1  Randomized controlled trial comparing interscalene nerve block versus continuous infusion local anaesthetic pump for outpatient arthroscopic rotator cuff repair.
J. Lubowitz, D. Webb, D. Guttman, J.B Reid III., P. Cawley, USA

O-3  Outcome of latissimus dorsi transfer for the treatment of irreparable rotator cuff tears.
V. Stipcak, R. Hart, B. Kucera, Czech Republic

O-5  A randomized clinical trial comparing mini-open to open rotator cuff repair: two-year outcome.
N. Mohtadi, R. Hollinshead, T. Sasyniuk, J. Fletcher, Canada

O-6  Preliminary results after rotator cuff reconstruction augmented with a pedicled autologous periosteal flap.
M. Scheibel, A. Brown, K. Woertler, A. B. Imhoff, Germany

**Discussion**

**ROTATOR CUFF/SLAP**

O-12  Comparison study of clinical features, MR-arthrography in partial thickness rotator cuff tears.
O.S. Kwon, Y.S. Kim, Y. In, Republic of Korea

O-14  Biomechanics of the arthroscopically repaired rotator cuff complex: single versus double row repair.
R. Costic, P. Brucker, P. Smolinski, L. Gilbertson, F. Fu, M. Rodosky, USA

O-2  Influence on posterior capsular tightness on the pathogenesis of type II SLAP lesion in throwing shoulder injury.
S. Nakagawa, M. Yoneda, N. Mizuno, S. Yamada, Y. Take, Japan

O-13  Repair of type II SLAP lesion: a biomechanical comparison of two different suture anchor techniques.
K. Kenter, J. Bustos, W. Carson, USA

**Discussion**

**SHOULDER; MISCELLANEOUS**

O-16  Arthroscopic treatment of shoulder instability without metal implants; 9 years experience.
B. Fleega, Germany

O-4  Anteroinferior shoulder portal: neurovascular structures at risk.
Differences between the lateral decubitus and the beach chair position.
R.E. Gelber, F. Reina, E. Cáceres, J.C. Monllau, Spain

O-8  Arthroscopic biceps tenotomy and tenodesis for instability of the long head of biceps tendon.
N. Mizuno, M. Yoneda, T. Mae, Japan

O-10  Study of the morphology of the scapula by TC 3D reconstruction and its application to reversed prostheses implantation.
C. Torrens, S. Martinez, E. Melendo, E. Caceres, Spain

**Discussion**
Wednesday, May 24th 2006

12:00 Lunchbreak
12:15 Lunchworkshops
13:30 Mini-symposium
   Treatment of acute traumatic shoulder dislocations
   Chair: B. Wulff Jakobsen, Denmark
   Long-term outcome after initial conservative treatment or open repair in traumatic
   first-time shoulder dislocations
   B. Wulff Jakobsen, Denmark
   Treatment of acute traumatic shoulder dislocations in 2006
   R. Norlin, Sweden

14:00 Symposium 3 - Combined SECEC-ESSKA 2000 shoulder session
   Current concepts of rotator cuff treatment
   Chair: J. Willems, Netherlands
   Diagnostics, Classification, Biomechanics of rotator cuff tears
   J. Willems, Netherlands
   Arthroscopic repair of Rotator Cuff Tears
   A. Castagna, R. Garofalo, M. Borroni, Italy
   Mini-open Repair of Rotator Cuff Tears
   L. Neumann, UK
   When not to repair?
   R. Norlin, Sweden

15:30 Coffee break - Visit industrial exhibition
16:00 Free Papers – Shoulder and Cartilage
   Moderators: B. Wulff Jakobsen, Denmark, F. Almqvist, Belgium

SHOULDER INSTABILITY

O-7 Postoperative subscapularis insufficiency after primary and revision open
   shoulder stabilization
   M. Scheibel, A. Tsynman, P. Magosch, R.-J. Schroeder, A. Gerber Popp,
   P. Habermeyer, Germany

O-9 Arthroscopic posterior capsular placation for the management of posterior
   shoulder instability – technique and results
   H. Hosseini, J.D. Agneskirchner, P. Lobenhoffer, Germany

O-11 Arthroscopic versus open shoulder stabilization for recurrent anterior
   instability: a prospective randomized clinical trial with preoperative and post-
   operative magnetic resonance arthrograms.
   C. Bottoni, E. Smith, M. Berkowitz, R. Towle, J. Moore, USA

O-15 A prospective, randomised clinical and radiographic study after arthroscopic
   bankart reconstruction using two different types of absorbable implants
   J. Kartus, J. Karlsson, L. Magnusson, L. Ejerhed, N. Sernert, R. Eriksson,
   L. Rostgård, Sweden

Discussion
Aircast – New Products

- A2 / StabilAir – Variety of wrist injuries
- ArmImmobilizer – Immobilization of shoulder / elbow
- Airlift – Posterior Tibial Tendon Dysfunction
- A60 – Prophylaxis and chronic band instability

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<table>
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<th><strong>Cartilage</strong></th>
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| O-137 | Articular cartilage changes in ACL reconstructed skeletally immature individuals: an interdisciplinary study in a sheep model.  
R. Meller, F. Schiborra, F. Fritz, S. Thoben, B. Dreymann, F. Witte, J. Zeichen, C. Krettek, C. Hurschler, Germany |
| O-138 | 2-stage ACI for large full thickness cartilage defects in high-performance patients: only modest results after 2 years follow up.  
V. Kumar, A. Panagopoulos, I. Triantafillosopoulos, L. van Niekerk, UK |
| O-139 | A prospective study of alginate seeded with mature allogenic human chondrocytes in the treatment of articular cartilage defects.  
F. Almqvist, P. Verdonk, R. Verdonk, K. Verstraete, E. Veys, G. Verbruggen, Belgium |
| O-229 | The effects of human amniotic fluid injection, human amniotic membrane wrapping and combined application of both on chondral defects in rabbits.  
I.S. Satoglu, I. Coban, D. Gurel, A. Gultekin, O. Karaoglan, Turkey |

**Discussion**

17:00 **Regional Symposium - SIGASCOT**

**Strategy and arthroscopic treatment on shoulder instability**

Chair: G. Cerulli, Italy

Management of the first dislocation  
G. Porcellini, Italy

Post-traumatic recurrent anterior instability  
E. Taverna, Italy

Microinstability, new approach  
A. Castagna, R. Garofalo, M. Conti, A. Giardella, Italy

Multidirectional and posterior instability  
G. Cerulli, Italy

Instability and rotator cuff tear  
P. Randelli, M. Denti, Italy

18:00 **Adjourn**
10:00 Coffee break - Visit industrial exhibition
10:30 Free Papers - Total joint replacement
   Moderators: D. Kohn, Germany

**MINIMAL INVASIVE SURGERY**

O-203 Early postoperative functional recovery in simultaneous bilateral MIS-TKA - a prospective randomized study.
   Lee M.C., I. Han, H.S. Han, S.C. Seong, S. Lee, J. H. Yoo, Republic of Korea

O-204 Effect of patella position on soft tissue balance in minimally invasive total knee arthroplasty.
   H. Muratsu, K. Mizuno, K. Kinoshita, T. Fukuyama, Y. Hoshino, K. Tanaka, R. Kuroda, M. Kurosaka, Japan

O-206 Two-year follow-up of a comparative study of minimally invasive computer assisted total knee arthroplasty (MICATKA) versus conventional computer assisted total knee arthroplasty (CATKA).
   M. Norris, T. Bishop, M. Ather, S. Chauhan, UK

O-208 Minimally-invasive total knee arthroplasty: comparison between quadriceps sparing and mini-subvastus approach.
   L. Sensi, P. Aglietti, A. Baldini, A. Ciardullo, Italy

**Discussion**

**MINIMAL INVASIVE SURGERY/BIOMECHANICS**

O-207 A multicentre prospective randomised controlled trial of Minimally invasive computer assisted total knee arthroplasty (MICA TKA) versus a conventional computer navigated surgical technique (Conv).
   S. Chauhan, F. Falaz, M. van Steijn, E. Luz, D. Cambell, J. Bush, UK

O-210 A comparison between normal and total knee replacement (TKR) kinematic envelopes.
   D.J. Lucas, M. Alam, A. M. J. Bull, O. Kessler, A. A. Amis, UK

O-211 Accuracy of rotational alignment of femoral component in navigated total knee arthroplasty. CT-scan study.
   M. Michaut, B. Galaud, P. Boisrenoult, J. Adam, L. Fallet, P. Beauflis, France

O-212 Influence of patellar position on tibial rotation after total knee arthroplasty - An in vitro study.
   S. Ostermeier, C. Tibesku, A. Skwara, S. Fuchs, C. Stukenborg-Colsman, Germany

**Discussion**

**BIOMECHANICS/COMPUTER ASSISTED**

O-213 Effect of internal-external rotation position of the femoral component on kinematics of the knee post TKR.
   D.J. Lucas, Alam M., Bull A., Kessler O., Chauhan S., Amis A., UK

   K. Eriksson, L. Osti, C. Singh, J. Bartlett, Sweden

O-202 Posterior stabilised TKA: Is the cam-post mechanism effective?
   B. van Duren, H. Pandit, H.S. Gill, A. Zavatsky, D. Murray, N. Thomas, UK
Wednesday, May 24th 2006

O-207 Total knee replacement & ligament balance by computer assisted surgery: a prospective comparative randomized study
C. Castelli, F. Barbieri, V. Gotti, Italy

Discussion

12:00 Lunchbreak
12:15 Lunchworkshops
13:30 Lecture 1
   The importance of kinematic evaluation in ACL reconstruction. Past, present and future.
   S. Zaffagnini, Italy

13:50 Symposium 4 - ESSKA2000 Under-45 committee
   Interactive cases discussion
   „Dealing with associated lesions in the ACL deficient knee“
   Chair: M. Bonnin, France

   Associated lesions in the ACL deficient knee?
   M. Bonnin, France

   Cartilage injuries
   F. Almqvist, Belgium, S. Zaffagnini, Italy

   Meniscal injuries
   C. Papageorgiou, Greece, H. Pinar, Turkey

   Peripheral ligaments: injuries and repair
   G. Camilieri, Italy, P. Djian, France

   Osteotomies
   D. Dejour, France, J. Bellemans, Belgium

15:00 Coffee break - Visit industrial exhibition
15:30 Lecture 2
   New laboratory insights into the pathogenesis of tendinopathy: clinical implications
   K. Khan, Canada

16:00 Mini-Symposium
   Non steroidal anti-inflammatory drugs and tissue healing.
   Chairs: H. Alfredson, Sweden, S. Dimmen, Norway

   Bone
   S. Dimmen, Norway

   Tendon
   H. Alfredson, Sweden

16:30 Mini-Symposium
   Systemic chondroprotection
   Chair: S. Marlovits, Austria

   Symptomatic slow acting drugs for OA
   S. Lohmander, Sweden

   Evidence based medicine of hyaluronic acid
   N. Bellamy, Australia
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17:00  **Symposium 5 - ESSKA 2000 Sports committee**  
**Muscle injuries**  
Chair: **T. Muellner, Austria**

- Epidemiology and classification  
  **T. Muellner, Austria**

- Conservative treatment  
  **P. Volpi, Italy**

- Operative treatment  
  **S. Orava, Finland**

- Rehabilitation after muscle injuries  
  **T. Bochdanski, Austria**

- Prevention and future perspective  
  **R. Bahr, Norway**

**Discussion**

18:00  **Adjourn**
10:00 Coffee break - Visit industrial exhibition

10:30 Free Papers – Cartilage
Moderators: S. Zaffagnini, Italy, P. Beaufils, France

**Cartilage Surgery**

O-140 Autologous chondrocyte implantation compared with microfracture in the knee (five year follow-up).

O-149 Periosteal cover + autologous chondrocyte implantation (ACI) in patients with chronic knee pain and an isolated femoral condyle cartilage defect – a prospective randomized study.
U. Jørgensen, M. Haugegaard, L. Kondradsen, T. Nicolaisen, Denmark

O-143 A prospective randomized clinical study of mosaic osteochondral autologous transplantation versus microfracture for the treatment of osteochondral defects in the knee joint in young athletes.
R. Gudas, R. Kalesinskas, E. Stankevièius, E. Monastyreckienè, D. Pranys, A. Smailys, Lithuania

O-144 Bioactive glass granules clinically as good as autogenous bone in the operative treatmend of depressed lateral condyle fractures.
J. Heikkilä, A. J. Aho, K. Mattila, Finland

**Discussion**

**Cartilage Healing**

O-145 Is there a way to decrease the pain and discomfort experienced during intraarticular injection of hyaluronic acid in gonarthrosis.
E. Bilgic, H. Ekerbicer, E. Cetinus, M. Uzel, A. Karaoguz, Turkey

O-146 Spatial difference in healing response of damaged articular cartilage associated with the ACL injury by arthroscopic evaluation.

O-147 Assessment of articular cartilage damage from mechanical chondroplasty.
L. Kaplan, B. Royce, J. Hoffman, H. Stampflí, USA

O-148 Inflammatory response of continuous passive motion and immobilization in arthritic knee.
R. Gassner, M. Ferretti, A. Srinivasan, J. Deschner, R. Salter, S. Agarwal, USA

**Discussion**

**Cartilage Injuries and EBM**

O-141 Is autologous chondrocyte implantation (ACI) literature commercially biased? A systematic review.
J. Lubowitz, J. Centeno, S. Woolf, J. Reid, D. Guttmann, USA

O-150 Psychometric properties of the Lysholm knee score and Tegner activity scale for osteoarthritis of the knee.
K. Briggs, W. Rodkey, J.R. Steadman, USA
Wednesday, May 24th 2006

O-151 Percutaneous Postero-medial release: Is it an effective procedure during Arthroscopy in arthritic knees?
D. Comba, C. Pesce, D. Bardelli, M.G. Danovaro, Italy

O-152 Treatment of full-thickness chondral defects of the knee with autologous chondrocyte implantation. A 2 to 9 years follow-up.
H. Vasilidis, C. Charitos, G. Manoudis, A. Georgoulis, A. Beris, Greece

O-142 Autologous chondrocytes implantation with MACI technique: clinical, arthroscopic 2nd look and histological evaluation after 2-4 years of follow-up
C. Bait, P. Volpi, H. Schönhuber, M. Denti, Italy

Discussion

12:00 Lunchbreak
12:15 Lunchworkshops
13:30 Clinical corner
Sports medicine: difficult cases; new solutions
Chair: B. Engström, Sweden

Tendon problem in elite athletes. A new method of treatment
L. Willberg, Sweden

Multiligament injured knees in elite athletes.
B. Engström, Sweden

Abdominal and groin pain among elite soccer players
M. Forssblad, Sweden

14:00 Free papers – Sports specific injuries and injury prevention
Moderators: I. Berkes, Hungary, G. Myklebust, Norway

SPORTS SPECIFIC INJURIES

O-231 Arthroscopic treatment of elbow lateral epicondylitis
M. Mikek, M. Hussein, G. Kavcic, Slovenia

O-232 4 to 6 year follow-up of hip arthroscopies in professional athletes.
M. Philippon, M. Schenker, A. Stubbs, USA

O-233 Functional outcome of posterolateral corner reconstruction of the knee - A prospective study and a comparison to an injury matched control group.
J. Banks, I. Pengas, A. Hatcher, M. McNicholas, UK

O-234 Winter sports injuries – injury patterns, frequencies and changes over a 5 year period.
J. Oberladstaetter, C. Dallapozza, A. Irenberger, R. El Attal, H. Jeske, C. Fink, Austria

Discussion

INJURY PREVENTION

O-235 Core stability – an important factor for preventing low back pain in teamgym gymnasts.
M. Harringe, J. Nordgren, I. Arvidsson, S. Werner, Sweden

O-236 The effect of prevention training on the elite athlete’s proprioception in the lower extremity.
A. Tallay, G. Pánics, A. Pavlik, B. Gloviczki, A. Ghassemi, Hungary
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O-237 Prevention of injuries among male football players – a prospective, randomized intervention study targeting players with previous injuries or reduced function.
A.H. Engebretsen, G. Myklebust, I. Holme, R. Bahr, L. Engebretsen, Norway

O-238 Epidemiology and prevention of shoulder injuries in elite swimmers.
G. Camillieri, M. Bonifazi, M. Ferretti, L. Labianca, A. Ferretti, Italy

Discussion

15:00 Coffee break – Visit industrial exhibition
15:30 Free Papers – Total Joint Replacement
Moderators: T. Spalding, UK, D. Kohn, Germany

SURGICAL TECHNIQUE
O-196 Total knee arthroplasty for valgus deformity with pie-crusting technique: five to eleven year follow up.
D. Lup, P. Aglietti, A. Baldini, S. Violini, L. De Luca, Italy

O-197 Analysis of thickness of tibial inserts in unicompartment knee replacement.
C. Singh, K. Eriksson, H. Morris, Malaysia

O-193 Does improved instrumentation result in better alignment in total knee replacement?
M. Hassaballa, D. Aspero, J. Newman, I. Learmonth, UK

O-201 Primary constrained condylar total knee arthroplasty without intramedullary stems.
A. Baldini, J. Anderson, P. Pellicci, T. Sculco, Italy

Discussion

NAVIGATION/RADIOLOGICAL ANALYSIS
O-175 Learning curve of a navigation system for total knee replacement. A multicentric study.
J.-Y. Jenny, R. Miehlke, A. Giurea, France

O-186 Accuracy of the bicondylar axis measurement in total knee arthroplasty by navigation. Correlation with preoperative CT scan measurement.
B. Galaud, M. Michaud, J.-M. Adam, P. Boisrenault, L. Fallet, O. Charrois, P. Beaufils, France

O-194 Effectiveness of navigation-based TKR in enhancing the mechanical performance of knee system components.
M. Norris, R. Beaver, W. Schmidt, M. Kester, S. Chauhan, UK

O-185 The progression of arthritis following compartmental knee replacement. A blinded radiological analysis.

Discussion

SPORTS SPECIFIC/GAIT ANALYSIS/SYNOVITIS
O-195 Total knee arthroplasty in active golfers.
A. Lakdawala, Ireland J., UK
O-198 Sports and every-day life activity after unicondylar versus total knee replacement.
S. Kliem, C. Becher, H. Thermann, Germany

O-176 A pilot study to investigate if there is any difference in gait and proprioception in fixed vs. mobile bearing total knee replacements.
W. Chang, W. Leach, A.C. Nicol, UK

O-180 Surgical management of pigmented villonodular synovitis (PVNS) in the knee. A retrospective series of 28 cases.
A. Pinaroli, E. Servien, T. Ait Si Selmi, P. Neyret, France

Discussion

17:00 Symposium 6
Plasma Rich in Growth Factors Therapy: the Spanish experience
Chair: R. Cugat, Spain

Basic Cell Physiology
I. Andia, Spain

Basic Tissue Physiology
E. Anitua, Spain

Research: Results of the Chondral Lesions treated with PRGF and other substances
J. M. Carrillo, Spain

Clinical: Results of the Clinical Applications treated with PRGF. A multicentric study
M. Sanchez, R. Cugat, Spain

18:00 Adjourn
Wednesday, May 24th 2006

10:00 **Coffee break - Visit industrial exhibition**

10:30 **Free Papers – Meniscus**

Moderators: C. Fink, Austria, G. Bain, Australia

**Transplantation**

O-126 Experimental study on innervation of human menisci.

G.S.M. Granata Júnior, M. Cohen, J.L. Colleoni, M.T.d.S. Alves, Brazil

O-127 Meniscal allograft transplantation: Long-term clinical results with radiological and magnetic resonance imaging correlations.

P.Verdonk, K. Verstraete, K.F. Almqvist, G. Verbruggen, R. Verdonk, Belgium

O-128 The normal and pathological human meniscus: Biological considerations.

P.Verdonk, R. Forsyth, R. Verdonk, K.F. Almqvist, G. Verbruggen, Belgium


J.G. Kim, S.H. Cho, Republic of Korea

**Discussion**

**Transplantation**

O-134 The impact of sizing of lateral meniscal allografts on contact mechanics of the lateral tibial plateau. An experimental study in human cadaveric knee joints

M. Dienst, P. Greis, H. West, B. Ellis, K. Bachus, R. Burks, Germany

O-132 Does intraoperative pretensioning improve the chondroprotective effect of meniscal transplants?

G. Von Lewinski, T. Pressel, C. Hurschler, F. Witte, Germany

O-135 Replacement of the knee meniscus by a porous polymer implant: 2 year follow up study in dogs.

P. Buma, R. Welsing, T. van Tienen, N. Ramrattan, R.2 Heijkants, A. Schouten, R. Veth, Netherlands

O-136 Meniscal transplants at 2 years follow up. A multicentric italian study.

L. Pederzini, G. Coari, A. Tripodo, M. Tosi, Italy

**Discussion**

**Refixation**

O-125 Point in time choosed for revision operation after meniscal refixation with suture or bioresorbable screws under suspicion of a relap.

C.E. Börner, O. Rühmann, W. Lipka, M. Bohnsack, Germany


O-133 Meniscus repair fixation strength after cyclic loading: Comparison of vertical, horizontal, and oblique suture techniques.


O-131 First-year post-operative outcomes after meniscal repair. A prospective study involving 41 menisci.

L. Panarella, O. Charrois, N. Pujol, P. Boisrenoult, P. Beaufils, France

**Discussion**
MegaFix™-P
The Perforated Biodegradable Interference Screw

The ideal synthesis of:
• Mechanical strength
• Biocompatibility
• Complete biodegradation
• Osseous replacement, and
• Bone ingrowth
Wednesday, May 24th 2006

12:00 Lunchbreak
12:15 Lunchworkshops
13:30 Clinical corner
   How I do an osteo-chondral transplantation
   Chair: A. Imhoff, Germany, J. Espregueira-Mendes, Portugal
14:00 Symposium 7
   Projects, Promises, Protests:
   Navigation in knee surgery – nice to have or must have?
   Chairs: B. Klos, Netherlands, N. Friederich, Switzerland
   Navigation in Unilateral Knee Replacement /ACL
   J.Y. Jenny, France
   Navigation and kinematics in TKA
   F. Catani, Italy
   Navigation in HTO
   P. Keppler, Germany
   Multicentre study navigated vs. conventional TKA
   F. Macule, Spain
   Ligament balancing in navigated TKA
   P. Ritschl, Austria
15:00 Coffee break - Visit industrial exhibition
15:30 Free Papers – ACL
   Moderators: F. Montserrat, Spain, P. Hertel, Germany

BIOMECHANICS
O-48 Do ACL allograft culture results correlate with clinical infections?
   J. Lubowitz, J. Centeno, S. Woolf, J. Reid, D. Guttmann, United States of America
O-51 Measuring rotational knee stability in ACL-deficient knees using MRI.
   S. Shefelbine, J. Lozano, J. Carballido, S. Majumdar, B. Ma, UK
O-52 Validation of a novel non-invasive tracking system for 3-D dynamic knee laxity - pivot shift - testing in vivo.
   K.R. Boddu Siva Rama, P. Cuomo, A. Bull, R. Thomas, A. Amis, UK
O-53 In vivo measurement of the tibial rotation at the time of landing.
   T. Fukubayashi, Y. Nagano, H. Ida, Japan

Discussion

BIOMECHANICS/NAVIGATION
O-54 Measuring 3D knee rotations
   R. van Lummel, H. Faber, S.C. Heikens, R. van der Slikke, Netherlands
O-47 Analysis using transparent 3D-CT images to clarify the location of femoral insertions of postero lateral bundle after anatomic double bundle ACL reconstruction.
   M. Inoue, K. Yasuda, K. Taki, E. Kondo, M. Ishibe, Japan
O-55  Reliability of a novel device to detect rotational knee laxity in a cadaveric model. 
R. Costic, K. Bell, R. Allaire, V. Musahl, E. Frazier, T. Zantop, J. Irrgang, L. Gilbertson, F. Fu, USA

O-58  Results of ACL revision reconstruction with simultaneous osteotomy
A. Gohm, M. Osti, K.P. Benedetto, Austria

Discussion

BIOMECHANICS
O-59  Single-leg hop testing following fatiguing exercise: reliability and biomechanical analysis.

O-60  The oblique popliteal ligament is the primary restraint against knee hyperextension.
P. Morgan, J. Cook, A. Bianco, R. LaPrade, F. Wentorf, USA

O-61  Control of knee rotation kinematics with anterior cruciate reconstruction: a pilot study using surgical navigation based measurement.
J. Robinson, UK, P. Colombet, P. Christel, P. Djian, J.P. Franceschi, G. Bellier A. Sbihi, France

O-62  Normal tibial rotation measured with noninvasive gait analysis.
A.W. Zürcher, Harlaar J., Pöll R.G., Netherlands

Discussion

17:00  Regional symposium Portugal/Spain

Failures of ACL ligament plasty
Chairs: J. C. Leitão, Portugal, M. Diaz Samada, Spain

Clinical diagnosis and the role of imaging.
J. C. Monllau, Spain

Causes of failure
R. Varatojo, Portugal

The graft choice and selection.
J. C. Leitão, Portugal

Surgical Treatment
M. Diaz Samada, Spain

18:00  Adjourn
7:30 - ICL 1

8:45 New concepts in the Evaluation and Treatment of Hip and Groin Disorders
Chair: M. Dienst, Germany

Advances in diagnostic evaluation of traumatic and non-traumatic disorders of the hip and groin: From physical examination to MR arthrography.
P. Hölmich, Denmark

The breakthrough of arthroscopic treatment of cam- and pincer-type of femoro-acetabular impingement.
H. Sadri, Switzerland

Arthroscopic treatment of ligamentous and cartilage injuries of the hip and groin.
M. Dienst, Germany

Is there still a need for conservative open hip surgery? Indications for open vs. arthroscopic hip surgery.
M. Leunig, Switzerland

9:00 Presidential Lecture
What ESSKA 2000 was, is and can be!
N. P. Thomas, UK

9:15 Highlight lecture
Chair: K.-P. Benedetto, Austria
Clinical decision making in sports traumatology
R. G. Marx, USA

9:45 Coffee break - Visit industrial exhibition

10:15 Symposium 8
Partial and full size chondral defects in the ankle - current concepts
Chair: B. Hintermann, Switzerland

Natural history
B. Hintermann, Switzerland

Value of imaging methods
M. Maas, Netherlands

Microfracture
A. Imhoff, Germany

OATS
H. Thermann, Germany

Chondrocyte implantation
M. Brittberg, Sweden

11:15 Lecture 3
Is there a basic science rationale for the 'Envelope of function theory'?
S. Arnoczky, USA

11:30 Lecture 4
Current trends in skiing injuries
K. P. Benedetto, Austria
Thursday, May 25th 2006

11:45  Lecture 5  
Anatomic double-bundle ACL reconstruction:  
The biomechanics and clinical outcome  
K. Yasuda, Japan

12:00  Lunchbreak

12:15  Lunchworkshops

13:30  Mini-Symposium  
The Scandinavian ACL Registry: Why it will change ACL surgery in the future?  
Chairs: M. Forssblad, Sweden, LP Granan, Norway, M. Lind, Denmark

14:00  Lecture 6  
Functional Tissue Engineering of Ligament and Tendon Healing:  
Facts and Fiction.  
S. L.Y. Woo, USA

14:20  Lecture 7  
Patellar dislocation; Reconstruction of the medial patello-femoral ligament using semitendinosus tendon.  
M. Ochi, Japan

14:40  Lecture 8  
Evidence-based Medicine in Arthroscopic Surgery  
F. Fu, USA

15:00  Lecture 9  
How to manage the stiff knee  
P. Lobenhoffer, Germany

15:30  Coffee break - visit industrial exhibition

16:00  Symposium 9  
Patello-femoral Arthritis.  
Treatment using resurfacing techniques, patello-femoral replacement and Maquet anteposition.  
Chairs: G. Puddu, Italy, A. Schiavone Panni, Italy

Mini invasive Treatment  
G. Puddu, Italy

Open Treatment  
J Fulkerson, USA

Patello-Femoral replacement  
C. Ackroyd, UK

Mini Battle: Patella resurfacing versus non resurfacing in TKR  
L. Beckers, Belgium and A. Schiavone Panni, Italy

Discussion
Thursday, May 25th 2006

17:00  Symposium 10
Difficult cases in primary TKA
Chair: M. Bonnin, France

TKA in the stiff knee
J. Bellemans, Belgium

TKA in case of extra articular deformities: place of the navigation
J. Victor, Belgium

Pathophysiology of the genu valgum: technical consequences.
G. Deschamps, France

Surgical approach and ligament balancing in severe valgus deformities.
J. Boldt, Germany

TKA after failed HTO
D. Kohn, Germany

TKA in severe varus deformity
M. Bonnin, France

18:00  Adjourn
Thursday, May 25th 2006

7:30 – ICL 2

8:45 Advances in ACL surgery: From anatomic tunnel placement of the single bundle ACL graft to double bundle ACL reconstruction

Chair: A. Georgoulis, Greece

What is the problem?
A. Georgoulis, Greece

Anatomy of the ACL. From Basic research to clinical assessment
T. Zantop and W. Petersen, Germany

All in-site ACL Reconstruction
G. Cerulli, Italy

The three-dimensional determination of the proximal ACL insertion - the intra-operative use of the quadrant method
M. Bernard, Germany

Anatomy and Injury Patterns of ACL
F. Fu, USA

Tibial rotation in ACL deficient and reconstructed knees during Athletic activities
A. Georgoulis, Greece

ACL Reconstruction using BTB or hamstring graft for recruiting the normal fiber arrangement
K. Shino, Japan

9:45 Coffee break - visit industrial exhibition

10:00 Symposium 11

Patellar instability - new approaches
Chair: F. Montserrat, Spain, D. Dejour, France

Patellar instability – new approaches
F. Montserrat, Spain

Patellar Instability vs. Patellar pain syndrome: Differential diagnosis
D. Fritschy, Switzerland

Biomechanics of patellofemoral instability
A. Amis, UK

Anatomical disorders and their significance
D. Dejour, France

Management in the skeletally immature patient
R. Seil, Luxembourg

Management in the adult patient
P. Neyret, France

Trochleoplasty: indications and surgical technique
H. Bereiter, Switzerland

Management in the older patient
F. Montserrat, Spain
11:00 **Symposium 12**
AC-joint instability and pain problems
Chair: *T. C. Ludvigsen, Norway*

What is the problem?
*T. C. Ludvigsen, Norway*

The painful AC-joint
*O. Levy, UK*

Acute AC-joint dislocation. Preferred treatment alternatives
*A. Imhoff, Germany*

Open surgical treatment of chronic AC dislocations
*H. Resch, Austria*

Arthroscopic treatment of chronic AC dislocations
*B. Jost, Switzerland*

12:00 **Lunchbreak**

12:15 **Lunchworkshops**

13:30 **Mini-Symposium**
Non-contact ACL injuries revisited: injury mechanisms and prevention
Chairs: *R. Bahr, Norway, G. Cerulli, Italy*

Injury mechanisms revisited – what is the inciting event?
*T. Krosshaug, Norway*

Prevention programmes for ACL injuries – do they work and what is the evidence??
*R. Bahr, Norway*

14:00 **Symposium 13**
ESSKA2000 Basic Science committee
**Mechanics and biology of the ACL graft**
Chair: *J. Menetrey, Switzerland*

Graft healing - Ligamentisation
*S. Scheffler, Germany*

Tunnel healing
*A. Weiler, Germany*

Mechanical environment of the graft: what do we know?
*A. Amis, UK*

How should we treat partial ACL rupture?
*P. Neyret, France*

Basic science and rehabilitation
*G. Cerulli, Italy*

Take home message
*J. Menetrey, Switzerland*

15:00 **Lecture 10**
**Groin problems in athletes**
*R. Cugat, Spain*

15:15 **Lecture 11**
**Hip arthroscopy for femoro-acetabular impingement**
*M. Dienst, Germany*
Date: May 25, 2006
Time: 12.15 - 13.15 h
Room: “Innsbruck” 2nd level

ACL RetroConstruction
New Technique of an Old Philosophy

G. Puddu, M.D.
Rome, Italy

Double Bundle ACL Reconstruction

A. Imhoff, M.D.
Munich, Germany

Combined ACL Reconstruction and High Tibial Osteotomy

K. Benedetto, M.D.
Feldkirch, Austria
Thursday, May 25th 2006

15:45  **Coffee break - visit industrial exhibition**

16:00  **Symposium 14**

* **Talar and subtalar ankle instability**

  Chair: C. Niek Van Dijk, Netherlands

  Introduction; subtalar instability
  C. Niek van Dijk, Netherlands

  Diagnosis; the treatment of avulsions in acute and chronic instability
  D. Rosenbaum, Germany

  Ankle biomechanics
  D. Rosenbaum, Germany

  Ligament release and reconstruction in patients with ankle replacement
  B. Hintermann, Switzerland

17:00  **Free papers – Elbow/Hand/Fingers**

  Moderators: P. Lobenhoffer, Germany; L. Pederzini, Italy

  O-24  Arthroscopic radial head fracture fixation – case controlled study.
  S. Kamineni, R. Lee, N. Thanigasalam, S. Dhotare, UK

  O-21  Indication, technique and early results of arthroscopical treatment for lateral epicondylitis
  J. Jerosch, J. Schunck, Germany

  O-22  Synovial Radial head plica causing lateral elbow pain in young active adults.
  An analysis of 117 elbow arthroscopies.
  A. S. Rajeev, S. I. Thomas, J. Pooley, UK

  O-23  Linburg-Comstock syndrome: truth or myth?
  A. Bhatti, S. I. Gupta, M. Shah, UK

  **Discussion**

  O-27-B  Anatomic mini-invasive repair of distal biceps tendon ruptures
  G. L. Canata, Italy

  O-26  Prospective randomized study of carpal tunnel release
  Endoscopic versus open surgery.
  E. Lopez-Vidriero, S. Exposito, J. Angul, Spain

  O-27  Comparison of elbow valgus laxity using radiographic and non-radiographic objective measurements.
  M. Safran, H. Greene, T. Lee, USA

  O-25  A safe normalised parameter for lateral distal humeral pin insertion.
  S. Kamineni, H. Ankem, N. Thanigasalam, A. Amis, UK

  **Discussion**

18:00  **Adjourn**
Thursday, May 25th 2006

7:30 – ICL 3

8:45 Management of chronic patello-femoral instability. Diagnostics, problem analysis and treatment options
Chair: A. Weiler, Germany, A. Amis, UK

Biomechanics and anatomy
A. Amis, UK

Diagnostics and indications for surgery
D. Dejour, France

Proximal realignment and MPFL reconstruction
P. B. Schöttle, Germany

Distal realignment: Indication and technique
A. Wymenga, Netherlands

Trochleo-plasty: Indication and techniques
H. Bereiter, Switzerland

9:45 Coffee break - visit industrial exhibition

10:00 Rehabilitation symposium
Knee rehabilitation, from ACL injury to knee OA
Co-Chairs: M. Arna Risberg, Norway, R. Thomeé, Sweden

Rehabilitation for ACL injured subjects – clinical and biomechanical changes?
R. Biedert, Switzerland

Criterion-based or time based rehabilitation?
S. Werner, Sweden

How can we optimise rehabilitation after ACL reconstruction?
L. Snyder-Mackler, USA

Special issues:
Return to sport, when and what criteria?
M. Lorenzini, Italy

Patellofemoral pain, a major problem during ACL rehabilitation! What can we do?
R. Thomeé, Sweden

Risk of developing knee OA after ACL injury, evidence for exercise therapy?
E. Roos, Sweden

Movement patterns and muscle activations in patients with ACL injury and knee OA.
L. Snyder-Mackler, USA

11:30 Rehabilitation symposium
Highlight discussions – Knee issues

12:00 Lunchbreak
12:15 Lunchworkshops
Thursday, May 25th 2006

13:30  **Rehabilitation symposium**  
**Free papers – Rehabilitation**  
Moderators: M. Arna Risberg, Norway, R. Thomeé, Sweden

**SHOULDER**

O-17  Return to active duty following open versus arthroscopic shoulder stabilization in a military population.  
C.T. Zehms, J.K. Sekiya, USA

O-18  Prospective study of external rotation, internal rotation and total shoulder rotation in juvenile baseball players.  
H. Sato, Y. Ishibashi, E. Tsuda, H. Tsukada, S. Toh, Japan

O-19  The benefit of a single-shoulder strength training program for the contralateral shoulder -prospective, randomized, control study.  
A. Nagao, H. Sato, Y. Okamura, Japan

O-20  A systematic review of observer-studies: Testing reliability of the Neer system.  
S. Brorson, A. Hróbjartsson, Denmark

**Discussion**

**KNEE**

O-96  Landing strategies after ACL reconstruction. An electromyographic analysis.  
A. Gokeler, M. Arnold, A. Hof, P. Dijkstra, K. Postema, Netherlands

O-97  Strength development and functional recuperation capacity before and after Anterior Cruciate Ligament reconstruction.  
S. De Jong, D. van Caspel, M. van Haeff, A. Verbout, D. Saris, Netherlands

A. Ekeland, S. Heir, S. Dimmen, K. Nerhus, Norway

O-205  Functional outcome following TKR evaluated by KOOS. - A prospective longitudinal study with repetitive measures prior to surgery, 6 weeks and 3, 6, 12 and 24 months after surgery.  

**Discussion**

14:30  **Rehabilitation symposium**  
**Low back pain rehabilitation**  
Chairs: R. de Bie, Netherlands, K. Storheim, Norway

Evidence for active rehabilitation for patients with low back pain.  
R. de Bie, Netherlands

Exercise or surgery for patients with low back pain?  
K. Storheim, Norway

When is surgery needed for patients with low back pain?  
O. Lundin, Sweden

Exercise therapy following lumbar disc surgery  
R. de Bie, Netherlands, K. Storheim, Norway
15:10 Rehabilitation symposium
Highlight discussions: low back pain issues
Evidence for physical therapy in low back pain patients. Is neuromuscular training for low back pain patients the best approach?
Are guidelines useful in clinical practice?
Panel: R. de Bie, K. Storheim, O. Lundin

15:30 Coffee break - visit industrial exhibition

16:00 Free papers – Rehabilitation
Moderators: S. Werner, Sweden, L. Snyder-Mackler, USA

ACL
O-98 Development of a German version of the knee outcome survey for activities of daily living: Cross-cultural adaptation, reliability and validity.
M. Bizzini, M. Gorelick, U. Munzinger, Switzerland

O-99 Development of a strength test battery for evaluating leg muscle power after anterior cruciate ligament injury and reconstruction.

O-239 ACL injuries in the three upper divisions in female team handball players – a 6 year prospective registration
G. Myklebust, R. Bahr, A. Skjølberg, Norway

O-101 Does a history of anterior knee pain influence the outcome of ACL reconstruction?
J.A. Feller, K.E. Webster, Australia

Discussion
O-100 A test battery for evaluating hop performance in patients with an ACL injury and patients who have undergone ACL reconstruction

O-102 Biomechanical and clinical changes in acl injured subjects following a neuromuscular training program.
A. Storevold, H. Moksnes, I. Holm, L. Engebretsen, L. Snyder-Mackler, M.A. Risberg, Norway

O-103 Immobilization modulates inflammatory cell accumulation at the healing tendon-bone interface: an experimental study in a rat model of ACL reconstruction.
E. Dagher, S. Rodeo, USA

O-104 Is there a need for physiotherapy after ACL reconstruction?
E. Hohmann, K. Tetsworth, A. Bryant, Australia

Discussion
Thursday, May 25th 2006

17:00  **Rehabilitation symposium**  
**Shoulder rehabilitation**  
Chairs: L. Snyder Mackler, USA, S. Werner, Sweden

Rehabilitation for patients with shoulder instability.  
A. Jansson, Sweden

Scapular positioning and shoulder instability in overhead athletes.  
B. Forthomme, Belgium

Shoulder instability and impingement: surgery versus exercise therapy?  
K. Bak, Denmark

17:30  **Rehabilitation symposium**  
**Highlight discussions – Shoulder issues**  
Panel: A. Jansson, Sweden, B. Forthomme, Belgium, K. Bak, Denmark

18:00  **Adjourn**
Thursday, May 25th 2006

7:30 – ICL 4

8:45  Meniscal lesions, what to do in 2006 (long term results of meniscal resection, meniscal repair; complications to meniscal repair, recommendations for treatment and rehab after meniscal repair).

Chairs: B. Wulff Jakobsen, Denmark, R. Seil, Luxembourg

Meniscal lesions, mechanism of trauma and classification of lesion.
P. Djian, France

Resection or meniscal repair.
D. Kohn, Germany

Long-term results after meniscal repair.
B. Wulff Jakobsen, Denmark

Complications to meniscal repair.
R. Seil, Luxembourg

Rehabilitation after meniscal repair.
M. Lind, Denmark

Role for meniscal transplantation in Europe 2006.
E. van Arkel, Netherlands

9:45  Coffee break - visit industrial exhibition

10:00  Free papers – ACL

Moderators: K. Yasuda, Japan, J. Menetrey, Switzerland

FIXATION TECHNIQUES

O-63  Anterior cruciate ligament reconstruction with a hamstring graft: Prospective, randomize clinical study using metallic or bioabsorbable screw in fixation.
T. Järvelä, M. Järvinen, Finland

O-66  Ceramic dowels for press fit fixation of the ACL-plasty - a biomechanical in vitro study.
H.O. Mayr, A. Bernstein, W. Hein, Germany

O-74  Prospective randomised study comparing biodegradable and metallic interference screws in anterior cruciate ligament reconstruction surgery using hamstring tendon grafts - radiographic results and clinical outcome.
G. Laxdal, J. Karlsson, J. Kartus, N. Sernert, E. Faxén, B. Eriksson, Sweden

O-81  The effectiveness of reconstruction of the anterior cruciate ligament with quadrupled hamstrings and bone-patellar tendon- bone autografts - an in-vivo study comparing tibial rotation
S. Ristanis, V. Chouliaras, C. Moraiti, N. Stergiou, A. Georgoulis, Greece

Discussion

FIXATION TECHNIQUES

O-86  CT and MRI controlled prospective evaluation of new composite screws and allograft bone screws for BPTB-graft fixation in ACL-reconstruction.
K. Tecklenburg, P. Burkart, C. Hoser, R. Rosenberger, C. Fink, Austria

O-89  Mechanical stability of femoral fixation techniques in ACL-reconstruction with respect to the intra-tunnel dislocation of the graft.
C. Staerke, A. Moehwald, K.H. Groebel, C. Bochwitz, R. Becker, Germany
Thursday, May 25th 2006

O-94  Anterograd interference screw fixation versus retrograde interference fit fixation in hamstring anterior cruciate ligament reconstruction – a prospective matched group analysis.
M. Klepsch, U. Nieper, Germany

O-93  Healing between tendon and bone varies at different locations in a bone tunnel.
E. Dagher, S. Rodeo, USA

Discussion

11:00  Free papers – ACL
Moderators: J. Karlsson, Sweden, R. Verdonk, Belgium

ACL; Diagnostics and follow-up

O-70  Self-efficacy, symptoms and physical activity in patients with an anterior cruciate ligament injury: a prospective study
P. Thomée, P2 Währborg, M3 Börjesson, R1 Thomeé, B11 Eriksson, J. Karlsson, Sweden

O-85  Outcome of anterior cruciate reconstruction in smokers
A. Karim, H. Pandit, J. Murray, F. Wandless, N. Thomas, UK

O-87  Time point of injury, injury mechanisms and injury situations of ACL ruptures in World Cup Freestyle Mogul skiing evaluated by an international panel of experts
S. Heir, T. Krosshaug, A. Ekeland Norway

O-92  Anterior Cruciate Ligament (ACL) cyst or spontaneous mucoid degeneration? Clinical, radiological and histological outcomes
D. Dejour, J. Cohn, T. Tavernier, France

Discussion

ACL; Long-term follow-up

O-65  Long-term outcome after meniscal repair with simultaneous ACL reconstruction
A. Karim, J. Murray, H. Pandit, F. Wandless, N. Thomas, UK

O-68  Non-operative vs. operative treatment after ACL-rupture – 12 year follow-up results
M. Kessler, G. Stutz, H. Behrend, A. Rukavina, M. Kuster, Switzerland

O-79  15-year follow-up of activity level and subjective knee function in ACL-deficiency. A prospective, longitudinal study of non-reconstructed patients
I. Kostogiannis, T. Friden, H. Roos, Sweden

O-95  A long-term (8 to 10 years) retrospective study of anterior cruciate ligament repair using allograft reconstruction
F. Almqvist, S. De Brabandere, P. Willaert, R. Verdonk, Belgium

Discussion
Thursday, May 25th 2006

12:00 Lunchbreak
12:15 Lunchworkshops
13:30 Clinical Corner
   Difficult elbow problems; Case presentations
   Chair: F. Kelberne, France
14:00 Clinical corner
   How I do a Uni-Knee
   Chair: P. Neyret, France
   The candidates for a Uni-Knee
   P. Neyret, France
   How I perform a Uni-Knee
   G. Deschamps, France
14:30 Clinical corner
   Case presentations on shoulder issues
   Chair: P. Hardy, France
   to present cases and a panel to answer specific questions
15:00 Coffee break - visit industrial exhibition
15:30 Free papers – Total Joint Replacement
   Moderators: P. Chambat, France, J. Bellemans, Belgium

TOTAL KNEE
O-171 Does the knee loosen up after soft tissue balancing in TKA?
   P. D’Hooghe, H. Vandenneucker, J. Bellemans, Belgium
O-172 Arthroscopic treatment of patients with moderate arthrofibrosis after total
   Knee replacement.
   J. Jerosch, A. Aldawoudy, Germany
O-174 Knee osteophytes have little influence on the coronal ligamentous balancing
   during total knee replacement.
   J.-Y. Jenny, C. Boeri, L. Schneider, France
O-189 Four inch versus six inch incisions for total knee replacement
   P. James, UK, D. Dalury, USA

Discussion
O-188 Infection after total knee arthroplasty: outcome in the current scenario
   S. Joshy, S., N. Gogi, B.K. Singh, B. Thomas, UK
O-177 Knee arthrodesis after failed infected total knee replacement.
   H.-M. Klinger, M.H. Baums, E. Kahl, H. Steckel, Germany
O-178 Total knee arthroplasty using the ligament balancing technique - 5 year results.
   A.J. Schuster, T. Wyss, B. Christen, U. Wehrli, Switzerland
O-179 Use of tranexamic acid in TKR. A retrospective comparative study.
   M. Ballester, J. Auleda, M. Coll, Spain

Discussion
Thursday, May 25\textsuperscript{th} 2006

\textbf{Total Knee}

Moderators: P. Aglietti, Italy, D. Kohn, Germany

O-181 A prospective randomised study to compare the lateral and medial approach for total knee arthroplasty.
\textit{M. S. Kuster, G. Hay, Switzerland}

O-183 Restoring the Joint Line using Drill Hole Pinpointing Method.
\textit{A. Pinaroli, E. Servien, T. Aït Si Selmi, Ph. Neyret, France}

O-184 Polyethylene mobility and deformation in a mobile bearing prosthesis design: a roentgen stereophotogrammetric analysis at 4 years.
\textit{M. Marcacci, A. Russo, L. Montagna, L. Bragonzoni, C. Trozzi, N. Mazzotti, S. Zaffagnini, F. Iacono, Italy}

O-190 Sub-vastus versus medial parapatellar arthrotomy for total knee replacement (SMAK).

\textbf{Discussion}

\textbf{Total/Uni Knee}

O-82 Combined ACL reconstruction and medial Oxford UKA
\textit{H. Pandit, C. Jenkins, Y. Kimstra, D. Beard, N. Thomas, C. Dodd, D. Murray, UK}

O-187 Survivorship of 195 fixed bearing medial unicompartmental knee replacements (UKR) during the second decade.
\textit{R. Evans, J. Newman, C. Ackroyd, S. Hutabarat, UK}

O-173 Discharge of unicondylar knee replacements within a day from surgery: is it feasible?
\textit{N. Confalonieri, A. Manzotti, K. Motavalli, I. Shilton, Italy}

O-182 Unconstrained mobile bearing lateral UKA: Can dislocation be prevented?
\textit{H. Pandit, C. Jenkins, B. Robinson, C. Dodd, D. Murray, UK}

\textbf{Discussion}

\textbf{Total Knee}

O-191 „Stuffed knee” – can it affect the flexion achieved after total knee arthroplasty
\textit{K. R. Boddu Siva Rama, J. Rai, India}

O-192 Cementless AMC-uniglide kneearthroplasty. Mid- to long-term results.
\textit{G. Bontemps, T. Tänzer, Germany}

O-199 Early morbidity after unicompartmental knee arthroplasty (UKA) versus total knee arthroplasty (TKA)
\textit{S. Kliem, C. Becher, H. Thermann, Germany}

O-200 Patello-femoral evaluation after total knee arthroplasty: Validation of a new weight-bearing axial view and scoring system.
\textit{A. Baldini, J. Anderson, P. Cerulli Mariani, H. Pavlov, T. Sculco, Italy}

\textbf{Discussion}

18:00 Adjourn
Chondro-Gide®
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Thursday, May 25th 2006

7:30 – ICL 5

8:45 Recent advances in tendon injuries-with major emphasis on the Achilles tendon
   Chairs: H. Alfredson, Sweden, K. Khan, Canada
   Tendinopathy in relation to body composition
   J. Cook, Australia
   Pathogenesis of tendinopathy: clinical implications
   K. Khan, Canada
   Recent advances in the treatment of the chronic painful Achilles tendon
   H. Alfredson, Sweden
   Recent advances in the treatment of acute Achilles tendon ruptures
   J. Karlsson, Sweden

9:45 Coffee break - visit industrial exhibition

10:00 Regional symposium Scandinavia
   Muscle and tendon injuries
   Chair: M. Järvinen, Finland
   The basic pathology of muscle repair
   T. Järvinen, Finland
   Hamstrings injuries in athletes
   S. Orava, Finland
   Natural course of Achilles tendinopathy in athletes
   M. Paavola, Finland
   Conservative treatment of Achilles tendinopathy
   H. Alfredson, Sweden

11:00 Regional symposium AGA
   Chair: P. Lobenhoffer, Germany
   Meniscus repair: biology and surgical technique
   R. Becker, Germany
   Double- bundle ACL reconstruction: Technique and results of the four-tunnel technique
   A. Imhoff, H. Anetzberger, Germany
   The effect of high tibial osteotomy on cartilage pressure of the knee – a new rationale to unload regional chondral defects
   P. Lobenhoffer, J.D. Agneskirchner, Germany
   A new technique for ACL reconstruction with patellar tendon graft using a rectangular femur tunnel
   C. Fink, Austria
   A new fixation technique for ACL grafts using Tricalcium phosphate dowels – first biological results
   H. Mayr, Germany
   Tunnel placement in arthroscopic PCL reconstruction – biomechanical studies using a force-moment-sensor robotic system
   W. Petersen, T. Zantop, Germany
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:00</td>
<td>Lunchbreak</td>
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<tr>
<td>12:15</td>
<td>Lunchworkshops</td>
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| 13:30 | Lecture 12   
**Thermal chondroplasty using radiofrequency energy**  
J. Lubowitz, USA |
| 14:00 | Regional Symposium   
**British Association for Surgery of the Knee (BASK)**.  
Chair: R. Allum, UK,  
*Patello- Femoral Replacement*  
J. Newman, UK,  
Advances in tissue engineering  
A. Williams, UK,  
Virtual Reality Training in Arthroscopic Surgery  
D. Bickerstaff, UK,  
Current Practice in Reconstruction following multiple ligament injury  
R. Smith, D. S Johnson, UK |
| 15:00 | Regional Symposium Turkey   
**Lateral and postero-lateral corner of the knee:**  
*The remembered and the unforgettable ones!*  
Chair: M. N. Doral, Turkey,  
Moderators: M. Doral, N. Tandogan  
Introduction  
M. Doral and V. Lök, Turkey,  
Biomechanics of the proximal tibio-fibular joint and its role in postero-lateral stability  
M. Bozkurt, S. Karaoglu, S. Aydogdu and I. Tan, Turkey,  
The role of the Popliteus tendon in postero-lateral stability  
M. Doral, A.T. Aydin, B. Alparslan and A. Sebik, Turkey,  
Mechanisms of injury of the postero-lateral corner  
U. Haklar, O. Tetik, I. Akgün and S. Gür, Turkey,  
Long-term effects of postero-lateral injury  
A. Atay, E. Taskiran, D. Akseki and I. Özkan, Turkey,  
Acute surgery in the postero-lateral corner injuries  
N. Tandogan, H. Pinar, M. Asik and O. Taser, Turkey,  
Reconstruction of the postero-lateral corner in chronic instability  
A. Kayaalp, M. Karahan, Y. Kocabey, Y. Sarpe, B. Uslu, Turkey,  
Take home message  
N. Tandogan |
| 16:00 | Coffee break- visit industrial exhibition |
| 16:30 | Free papers - **PCL**  
Moderators: J. Bergfeld, USA, P. Renström, Sweden  
**PCL BIOMECHANICS**  
O-106  
*The role of the posteromedial corner in controlling knee laxity.*  
J. Robinson, A. Bull, A. Amis, France, UK |
Thursday, May 25th 2006

O-110 Kinematics of PCL and PLC deficient human cadaver knee reconstructed with single or double bundle PCL.
S. Apsingi, T. Nguyen, A. M. J. Bull, D. Deehan, A. Unwin, A.A. Amis, UK

O-116 Evaluation of PCL and posterolateral corner injuries: a biomechanical comparison of arthroscopic versus open inlay double bundle PCL reconstruction.
C. Zehms, D. Whiddon, M. Miller, J. Quinby, S. Montgomery, B. Campbell, J.K. Sekiya, USA

O-115 Fluoroscopy based 2D-navigation of the PCL
R. Attal, R. Rosenberger, J. Oberladstätter, R. Bale, C. Fink, C. Hoser, Austria

Discussion

PCL GRAFT TECHNIQUES

O-107 Knee stability after PCL reconstruction with autograft versus fresh frozen allograft — A prospective matched group analysis.
T. Jung, A. Lubowicki, S. Scheffler, A. Weiler, Germany

O-108 Knee stability after primary versus revision PCL reconstruction — A prospective matched group analysis.
T. Jung, A. Lubowicki, A. Schmeling, A. Weiler, Germany

O-114 Chronic PCL reconstruction outcome with two-bundle bone quadriceps tendon autograft.
P. Christel, P. Djian, France

O-57 PCL impingement in ACL reconstruction, a potential cause of flexion deficit and graft elongation. An experimental and clinical study
K. Eriksson, D. Long, P. Brukner, H. Morris, Sweden

Discussion

PCL; SURGICAL TECHNIQUE

O-111 Knee stability after PCL reconstruction in female versus male — A prospective matched group analysis.
M. Wagner, T. Jung, A. Lubowicki, A. Weiler, Germany

O-112 Is there an increase in posterior laxity after PCL reconstruction over time? A serial follow-up with stress radiographics.
A. Weiler, A. Lubowicki, S. Scheffler, T. Jung, Germany

O-113 PCL-reconstruction inlay-technique
K.-P. Benedetto, M. Osti, A. Gohm, Austria

O-109 Analysis of surgical failure in posterior cruciate ligament surgery.
C.-H. Chen, T.-Y. Chuang, K.-Y. Hsu, K.-C. Wang, Taiwan

Discussion

18:00 Adjourn
7:30 - ICL 6

8:45 Successful surgery for osteoarthritis in the knee. Patient selection and indications for specific procedures
Chairs: J. Bartlett, Australia

High tibial osteotomy
R. Jakob, Switzerland

Patello-femoral replacement arthroplasty
D. Dejour, France

Unicompartmental knee replacement
A. Price, UK

Total knee arthroplasty
J. Victor, Belgium

9:00 Highlight lecture
Mechanotransduction in tendon cells: Implications in ACL rehabilitation and tendon overuse injuries
S. Arnoczky, USA

9:30 Theo van Rens Award – Star papers
Chairs: L. Engebretsen, Norway, N. P. Thomas, UK

O-224 Surgical treatment versus eccentric training for patellar tendinopathy (jumper’s knee) – a randomized controlled trial.
R. Bahr, B. Fossan, S. Løken, L. Engebretsen, Norway

O-170 A simple technique adapted to femur morphology to adjust femoral rotation in TKA.
M. Bonnin, Y. Carrillon, P. Chambat, France

O-39 Sagittal plane tibial translation during gait after ACL-reconstruction.
J. Kvist, J. Sjödahl, Sweden

O-105 Reliability of stress radiographic techniques to measure isolated and combined posterior laxity.
G. Garavaglia, V. Dubois-Ferrière, A. Lubbeke, J. Fasel, D. Fritschy, J. Menetrey, Switzerland

O-44 20- to 25-year follow-up of operative versus non-operative treatment of anterior cruciate ligament rupture
C. Fink, M. Pflüglmayer, K. Tecklenburg, A. Irenberger, C. Hoser, Austria

O-225 Ultrasound-guided sclerosis of neovessels in painful chronic patellar tendinopathy – a randomized controlled trial.
A. Hoksrud, L. Öhberg, H. Alfredson, R. Bahr, Norway

10:30 Symposium 15
Current aspects in the treatment of the PCL deficient knee: Transtibial versus open inlay. Single versus double bundle
Chairs: A. Weiler, Germany, J. Menetrey, Switzerland

Speaking the same language – Definitions and grading
J. Menetrey, Switzerland

Anatomy and biomechanics
S. Apsingi, UK
Management of the acute PCL deficient knee
A. Weiler, Germany

Management of the chronic PCL deficient knee
P. Christel, France

Outcome expectations and indications for surgery
F. Margheritini, Italy

11:30 Travelling fellows presentations
11:40 General Assembly ESSKA 2000
12:30 Lunchbreak
12:45 Lunchworkshops
14:00 Symposium 16
Multi-ligament knee injuries
Chairs: R. LaPrade, USA, P. Christel, France

Evaluation of multiple ligament injuries—physical examination and imaging.
A. Williams, UK

Treatment strategy and planning in acute injuries
P. P. Mariani, F. Margheritini, Italy

Postero-lateral knee injury treatment in the face of multiple ligament injury
(acute and chronic)
R. LaPrade, USA

Chronic multiple ligament injuries management
P. Christel, France

Outcomes after acute knee dislocation surgery
S. Johansen, Norway

Rehabilitation issues in multiple ligament injuries
J. Höher, Germany

15:00 Symposium 17
Lateral meniscus: From child to Seneca
Chairs: R. Verdonk, Belgium, P. Beaufils, France

Lateral meniscus; from child to Seneca
R. Verdonk, Belgium

Biology – Biomechanics.
P. Verdonk, Belgium

Lateral meniscus in children: congenital and traumatic lesions.
N. Friederich, Switzerland

Lateral Meniscus and stable Knee in Adults: traumatic and degenerative lesions.
O. Charrois, France

Lateral Meniscus combined with ACL rupture
L. Panarella, Italy

Total Lateral Meniscectomy: Treatment options
F. Almqvist, Belgium

Take home message
P. Beaufils, France
Restoring the Joys of an Active life

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16:00  **Coffee break - visit industrial exhibition**

16:30  **Symposium 18**
Knee osteoarthritis – total knee replacement, including minimal invasive surgical (MIS) techniques
Chair: D. Kohn, Germany

- Preoperative planning in total knee arthroplasty
  D. Kohn, Germany

- Range of motion after total knee arthroplasty - what to expect, how to improve.
  C. Stukenborg-Colsman, Germany

- Ligament balance in total knee arthroplasty
  P. Neyret, France

- MIS in condylar knee arthroplasty
  N. Wülker, Germany

17:30  **Free papers – Leg/ankle**
Moderators: N. Van Dijk, Netherlands, R. Biedert, Switzerland

**LEG/ANKLE**

O-219  Evaluation of lower leg function in patients with Achilles tendinopathy.
K. Gravare Silbernagel, A. Gustavsson, R. Thomeé, J. Karlsson, Sweden

O-221  Evaluation with stress radiography, ultrasonography and MR imaging for disruption of the anterior talofibular ligament.
K. Oae, M. Takao, K. Naito, T. Kono, F. Komatsu, Y. Uchio, M. Ochi, Japan

O-222  Treatment and clinical results for osteochondral lesions of the talus – middle and long term follow-up.
N. Usami, E. Hiraishi, A. Waseda, S. Inokuchi, Japan

O-220  Positive effects of continued running and jumping activity during rehabilitation with strengthening exercises in patients with Achilles tendinopathy – a randomized clinical trial.
K. Gravare Silbernagel, R. Thomeé, B. Eriksson, J. Karlsson, Sweden

**Discussion**

**LEG/ANKLE**

O-215  Etiology and epidemiology of osteochondral lesions of the ankle joint.
M. Takao, K. Oae, F. Komatsu, Y. Uchio, M. Ochi, Japan

O-216  Treatment of osteochondral lesions of the talus: a comparison of three different arthroscopic techniques.
A. Gobbi, R. Francisco, J. Lubowitz, F. Allegra, G. Canata, Italy

O-217  Osseous criteria for ankle instability.
A. Frigg, O. Magerkurth, H.-P. Ledermann, B. Hintermann, Switzerland

O-218  Four-to-seven year outcome after autologous chondrocyte implantation in osteochondral lesions of the ankle joint.
M.H. Baums, W. Schultz, H. Steckel, H.-M. Klinger, Germany

**Discussion**

18:30  **Adjourn**
7:30 - ICL 7

8:45 Recent advances in cartilage repair
Chair: M. Brittberg, Sweden

Scaffold enhanced bone marrow stimulation for cartilage repair
R. Dorotka, Austria

Freshly isolated chondrocytes in a collagen scaffold for cartilage repair. 1-stage procedure
U. Schneider, Germany

Single Surgery Cartilage Repair therapy. Basic Science and Clinical Applications
J. Riesle, Netherlands

One stage cartilage repair surgery. Basic science and Clinical Future
F. Binette, USA

10:00 Coffee break - visit industrial exhibition

10:30 Symposium 19
The athlete's shoulder
Chair: A. Imhoff, Germany

Biomechanical and traumatology; the background of SLAP-lesions
A. Imhoff, Germany

Critical points: Proprioception and GIRD in athlete shoulder
G. Di Giacomo, Italy

The disabled throwing shoulder: SLAP and non-SLAP etiologies.
T. Rose, Germany

The painful unstable shoulder of the overhead athlete
P. Hardy, France

Pulley lesion: Antero-superior impingement in the throwing athlete.
M. Scheibel, Germany

The massive labral tears (anterior, posterior and superior)
J. Willems, Netherlands

11:30 General Assembly ESSKA 2000 in hall "Tyrol"

12:30 Lunchbreak

12:45 Lunchworkshops

14:00 Lecture 13
Education in Orthopaedic Sports Medicine
R. Seil, Luxembourg

14:15 Lecture 14
Outcome research in sports traumatology
R. G. Marx, USA

14:30 Symposium 20
Prevention of Soccer injuries
Chair: J. Ekstrand, Sweden

What is the extent of the injury problem?
J. Ekstrand, Sweden
Friday, May 26th 2006

Injury mechanisms  
T.-E. Andersen, Norway

Prevention of muscle injuries  
R. Bahr, Norway

Groin injuries in soccer players  
P. Hölmich, Denmark

The F-MARC program. Prevention of soccer injuries at the society level  
A. Junge, Switzerland

16:00 Coffee break - visit industrial exhibition

16:30 Symposium 21
Meniscal replacement (European Meniscal Transplantation Group)  
Chairs: R. Verdonk, Belgium, H. Aagaard, Denmark

Welcome and EMTG information  
H. Aagaard, Denmark

Tissue engineered meniscal scaffolds  
T. van Tienen, The Netherlands

Biomechanical and immunological aspects of meniscal replacement  
S. P. Arnockzy, USA

Experimental meniscal replacement  
P. C. Rijk, The Netherlands

Surgical techniques and graft fixation  
R. Cugat, Spain

Concurrent meniscal allograft and ACL reconstruction  
R. F. LaPrade, USA

18:00 Free papers – Tendon
Moderators: J. Bellemans, Belgium, H. Alfredson, Sweden

O-226 Similar histopathological picture in males with achilles and patellar tendinopathy.  
N. Maffuli, V. Testa, G. Capasso, S. Ewen, A. Sullo, F. Bennazzo, J. King, UK

O-223 Surgical treatment of hamstring syndrome in athletes  
S. Orava, L. Lempainen, J. Heikkila, J. Sarimo, K. Mattila, Finland

O-227 Regeneration mechanism of the semitendinosus tendon after the ACL reconstruction with hamstrings.  
S. Li, T. Fukubayashi, A. Nishino, A. Sanada, S. Kuribayashi, Japan

O-228 A close look at the human tendon: basic biology; gene, protein, and electrophysiological expression of ion channels.  
M. Magra, S. Hughes, A. El Haj, N. Maffulli, UK

Discussion

18:30 Adjourn
Joint Replacements
Trauma, Extremities & Deformities
Craniomaxillofacial
Spine
Biologics
Surgical Products
Neuro & ENT
Interventional Pain
Navigation
Endoscopy
Communications
Imaging
Patient Handling Equipment
EMS Equipment

Patient Outcomes
7:30 - ICL 8
8:45 Recent advances in ankle instability research; the importance of systematic reviews
   Chairs: C. Niek van Dijk, Netherlands, J. Karlsson, Sweden

   Introduction. Diagnostics
   C Niek van Dijk, Netherlands

   Treatment of acute lesions: meta analysis and long term outcome
   A.C.M. Pijnenburg, Netherlands

   Cochrane review on the treatment of ankle instability
   G., J.J.M. Kerkhoffs, Netherlands

   Tenodesis vs. anatomic reconstruction for chronic instability: biomechanical aspects
   D. Rosenbaum, Germany

   The role of alignment in prevention and treatment of chronic instability
   J. Karlsson, Sweden

10:30 Nurse workshop
   Basic arthroscopic surgery -
   Shoulder: rotator cuff repair - Primary total knee arthroplasty
   Chairs: G. Cerulli, Italy, F. Kelberine, France, F. Montserrat, Spain

Part 1: Basic arthroscopic surgery

10:30 Basic OR nurse’s functions

   Legal procedures: patient’s information, admission and preparation. Tracability of patient and material. Does the patient have to participate in OR?
   G. Walley, UK

   How to keep the procedure(s) most effective and secure?
   L. Frandsen, Denmark

Discussion

10:55 Principles of arthroscopy

   Irrigation from in to out: fluids, pump, suction.
   C. Baião, Portugal

   Basic arthroscopic instruments and materials.
   C. Baião, Portugal

   Disinfection, cleaning, sterilization, management (storage, manipulation)
   M. Verstichel, Belgium

Discussion

11:30 Arthroscopy related to the joints

   Upper limb (shoulder, elbow, wrist)
   Setting (patient, surgical team), padding of pressure areas
   M. Verstichel, Cathy Courier, Belgium

   Main indications (with short technique description)
   B. Saunier, France

   Basic instrumentation regarding different procedures (traction devices, anchors, sutures retriever, hooks...)
   C. Courier, Belgium

Discussion
12:05 Lower limb (hip, knee, ankle)
Setting (patient, surgical team), padding of pressure areas
M. Mateuszow, Poland
Main indications (with short technique description)
L. Frandsen, Denmark
Discussion

12:30 Lunchbreak

14:00 Nurse workshop continued

14:00 Lower limb (hip, knee, ankle)
Basic instrumentation related to different procedures (reamers, traction devices…)
B. Saunier, France
Post operative check, medical and administrative, survey to discharge the patient
(hospitalization/one day surgery).
G. Walley, UK
Discussion

14:25 Part 2: Shoulder: rotator cuff repair
Chairs: G. Cerulli, Italy, F. Montserrat, Spain
14:25 - 14:35 Admittance of patients and anaesthesiologic assistance
N. Lamontagne, Canada
14:35 - 14:43 Positioning of patients for surgery
N. Lamontagne, Canada, I. Lovgren, Sweden
14:43 - 14:53 Open technique
I. Lovgren, Sweden
14:53 - 15:03 Mini-open technique
V. Pacifici, M. Iachettini, V. Gambin, Italy
15:03 - 15:13 Arthroscopic technique
C. Qadri, Austria
15:13 - 15:23 Immediate post-operative care
E. Casalini, Italy
15:23 - 15:40 Discussion
15:40 - 16:10 Workshop: Rotator cuff repair: All speakers and chairmen

16:10 Part 3: Primary Total Knee Arthroplasty
Chairs: F. Montserrat, Spain, F. Kelberine, France
16:10 - 16:15 1. Introduction
A. Vivancos, UK
16:15 - 16:25 2. Operative visitor
M. Armillas, Spain
• Evaluation
• Identification of needs
• Formulation of diagnosis
• Objectives
• Nursing activities
• Patient evaluation
Friday, May 26th 2006

16:25 - 16:40  3. Nursing cares in the immediate pre-operative and trans-operative  
               R. Gomez, Spain  
               • Identification of needs  
               • Formulation of diagnosis  
               • Objectives  
               • Nursing activities  
               • Patient evaluation

16:40 - 16:50  4. Primary TKA: Surgical technique  
               C. Vidal, Spain  
               • PS surgical technique

16:50 - 17:00  5. Nursing cares in the immediate post-operative  
               M. Gomez, Spain  
               • Priority of diagnosis: Pain and bleeding  
               • Activities  
               • Evaluation and recovery discharge

17:00 - 17:10  6. Discussion

17:10 - 18:10  Workshop of primary TKA

18:10  Adjourn

18:15  Reception in room „Orangerie“ (ground floor), sponsored by Smith & Nephew
8:45  Tendon/Bone junction problems – enthesopathy of Achilles tendon, patellar tendon, groin tendons and rotator cuff
Chairs: P. Hölmich, Denmark, M. Benjamin, UK

Introduction
P. Hölmich, Denmark

Enthesopathy: definitions and basics
M. Benjamin, UK

Achilles tendon – clinical view
K. Peers, Netherlands

Patellar tendon – clinical view
H. Alfredson, Sweden

Groin – clinical view
P. Hölmich, Denmark

Rotator Cuff – clinical view
K. Bak, Denmark

Enthesopathy: Specific pathology
M. Benjamin, UK

10:00  Coffee break - visit industrial exhibition

10:30  Combined Regional Symposium SFA-NVA-ABA
ACL surgery anno 2006, along the axis Paris-Brussels-Amsterdam
Chair: F. Handelberg, Belgium

ACL the Iso-anatomical way.
M. P. Arnold, Netherlands

Rotational stability control.
P. Colombet, France

Mid-term results of the double bundle technique.
P. Djian, France

Long-term results after the use of allografts.
F. Almqvist, Belgium

Pro and contra of primary ACL reconstruction with allografts
E. van Arkel, Netherlands

ACL and arthrosis.
P. Delincé, Belgium

11:30  General Assembly ESSKA 2000 in hall "Tyrol"

12:30  Lunchbreak

12:45  Lunchworkshops

14:00  Free papers – Osteotomies
Moderators: M. Forssblad, Sweden, J. Bartlett, Australia

O-161  Improved long-term results of high tibial osteotomy by combined lateral closing, medial opening wedge technique.
S. Kumar, O.N. Nagi, India
O-162 Stability of opening versus closing wedge high tibial osteotomy measured with radio stereophotogrammetric analysis (RSA): a randomised clinical trial.  
J.W.H. Luites, M. Brinkman, R. van Heerwaarden, E.R. Valstar,  
A.B. Wymenga, Netherlands

O-163 Factors determining effective decompression of the medial tibiofemoral joint space in opening-wedge valgus high tibial osteotomy – a biomechanical study.  
J. Agneskirchner, C. Hurschler, C. Wrann, P. Lobenhoffer, Germany

O-164 The Fulkerson osteotomy: are radiographic measurements of any predictive value?  
J. Albright, T. Ebinger, S. Scholl, USA

Discussion

O-165 Early post-operative complications following closing wedge high tibial osteotomy: review of 352 cases.  
A. Wilson, N. Hunt, M. Watts, D. Amato, J. Owen, T. McMeniman, D. Hayes,  
P. McMeniman, P. Myers, UK

O-166 Closing wedge high tibial osteotomy: mid – long term follow up, review of 252 cases.  
T. McMeniman, D. Amato, A. Wilson, D. Hayes, M. Watts, P. McMeniman,  
P. Myers, Australia

O-167 High tibial osteotomy as the initial treatment of chronic posterolateral corner deficiency in the varus knee – a prospective clinical study.  
A.F. Arthur, R.F. LaPrade, USA

O-168 Stability of supracondylar femur osteotomies: a biomechanical investigation of five different plate and osteotomy configurations.  
R. Van Heerwaarden, M. Brinkman, C. Hurschler, J. Agneskirchner, D. Freiling,  
Netherlands, Germany

Discussion

15:00 Regional symposium Eastern Europe
ACL injuries; prevention, reconstruction, revision and outcome
Chair: I. Berkes, Hungary
Prevention of ACL injuries  
A. Tállay, Hungary
ACL injuries in children and adolescents  
R. Smigielski, Poland
ACL reconstruction - options of techniques  
V. Matjas, Slovenia
ACL revision  
I. Kuznetsov, Russia
Rehabilitation and outcome after ACL reconstruction  
V. Havlas, Czech Republic
Panel discussion

16:00 Coffee break - visit industrial exhibition
ACL GRAFT SELECTION

O-64 Treatment outcome of hamstring tendon ACL reconstruction using the semitendinosus and the semitendinosus with the gracilis.  
A. Gobbi, R. Francisco, Italy

O-67 Patellar tendon or semitendinosus tendon autografts for anterior cruciate ligament reconstruction. A prospective, randomised study with a 7-year follow-up.  
M. Lidén, L. Ejerhed, N. Sernert, G. Laxdal, J. Kartus, Sweden

O-69 Serial magnetic resonance imaging of human bone-patella tendon-bone ACL autografts.  
T. Komatsu, K. Yoshikawa, H. Mitsui, S. Naganuma, J. Ito, Japan

J.C. Yoo, J.H. Ahn, Republic of Korea

Discussion

M. Hantes, V. Zachos, G. Basdekis, D. Samaras, A. Karantanas, K. Malizos, Greece

O-73 Differences in graft orientation using the transtibial and anteromedial portal technique in ACL reconstruction. An MRI prospective study.  
M. Hantes, V. Zachos, A. Dimitroulias, D. Samaras, A. Karantanas, K. Malizos, Greece

O-75 Comparison of tendon-to-bone-healing after soft-tissue autograft and allograft ACL reconstruction in a sheep model.  
S. Scheffler, F. Unterhauser, J. Keil, A. Weiler, Germany

O-76 A prospective randomized comparison of semitendinosus and gracilis tendon versus patellar tendon autografts for ACL reconstruction: 5 years follow-up.  
M. Sajovic, V. Vengust, R. Komadina, Slovenia

Discussion

ACL GRAFT SELECTION

Moderators: R. Seil, Luxemburg, M. Denti, Italy

O-77 Tendon allograft cryoprotectant incubation and rehydration time alters mechanical stiffness properties.  
D. Caborn, J. Nyland, H.C. Chang, R. Burden, USA

O-78 A prospective study of patellar versus hamstring tendon autografts for anterior cruciate ligament reconstruction for young professional basketball players.  
R. Gudas, E. Stankevicius, E. Monastyreckiene, V. Trumpickas, A. Smailys, Lithuania

O-80 Comparison of tendon-to-bone-healing using soft tissue autografts and BPTB-autografts in a sheep model of ACL reconstruction.  
F.N. Unterhauser, M. Dahne, K. Schlichting, A. Weiler, Germany
O-83  The effect of tunnel-graft length on the primary and secondary stability in ACL reconstruction: a study in a goat model.
T. Zantop, P. Brucker, K. Bell, M. Ferretti, W., L. Gilbertson, F. H. Fu, Germany, USA

Discussion

ACL GRAFT SELECTION

O-84 Five strand hamstring anterior cruciate ligament reconstruction: Presentation of a new technique with better stability at 7-9 year follow-up than four strand.
C. Prodromos, B. Joyce, USA

O-88 Effect of human mesenchymal stem cells on tendon-to-bone healing in a rat model of ACL reconstruction.
E. Dagher, S. Rodeo, USA

O-90 Vertical versus oblique incision when harvesting the hamstring tendons for anterior cruciate ligament reconstruction: a prospective randomised study.
C. Singh, K. Eriksson, H. Morris, Malaysia

O-91 ACL reconstruction using vascularized semitendinosous tendon autograft. An histologic study in a rabbit model.
V. Nikolaou, G. Papachristou, I. Sourlas, K. Frangia, A. Papalois, N. Efstathopoulos, Greece

Discussion

18:30  Adjourn
8:45 Meniscal Surgery: Imaging and Techniques
Chairs: R. Verdonk, Belgium, P. Beaufils, France

Introduction
P. Beaufils, France

Imaging Techniques: how do they influence surgical technique?
G. Nourissat, France

Meniscal repair: Arthroscopic technique
J. Höher, Germany

Meniscal repair in horizontal cleavage: open technique
P. Beaufils, France

Meniscal Allograft: open technique
R. Verdonk, Belgium

Meniscal Allograft: arthroscopic technique
J. Bellemans, Belgium

Conclusions and take home message
R. Verdonk, Belgium

10:00 Coffee break - visit industrial exhibition

10:30 Symposium 22 ESSKA2000 Arthroscopy committee
Arthroscopic treatment of degenerative disease of the knee – is there a role for arthroscopy in knee osteoarthritis?
Chair: B. Wulff Jakobsen, Denmark

The role of arthroscopy in gonarthrosis management, indications.
Review of the literature.
B. Wulff Jakobsen, Denmark

Presentation of the SFA (French society of arthroscopy) study on arthroscopy in gonarthrosis.
F. Kelberine, France

Presentation of a standard clinical, radiographic and MRI based classification system for arthrosis of the knee
F. Montserrat, Spain

How is the situation in Europe. Answers to the ESSKA2000 questionnaire.
D. Fritschy, Switzerland

Discussion

11:30 General Assembly ESSKA 2000 in hall "Tyrol"

12:30 Lunchbreak

12:45 Lunchworkshops

14:00 Free papers – Pelvis/Groin and ACL
Moderators: P. Hølmich, Denmark, P. Beaufils, France

PELVIS/GROIN
O-28 Patient’s satisfaction with arthroscopic debridement for severe hip osteoarthritis.
Y. Yamamoto, Ide T., Japan

O-31 The log roll test for hip instability
M. Philippon, M. Schenker, K. Briggs, A. Stubbs, USA
Operative treatment of total proximal ruptures of the hamstring muscle group.  
*J. Sarimo, L. Lempainen, J. Heikkilä, K. Mattila, S. Orava, Finland*

Demographics of cam and pincer hip impingement.  
*M. Philippon, M. Schenker, K. Briggs, A. Stubbs, USA*

Discussion

**ACL, DIAGNOSTICS**

**O-46** Acute traumatic hemarthrosis of the knee – poor agreement between clinical assessment and MRI findings  
*R.B. Frobell, L. S. Lohmander, H. P. Roos, Sweden*

**O-49** Personality affects choice of treatment after ACL injury  
*L. Swirtun, G. Edman, P. Renström, Sweden*

**O-50** Diagnosis of complete anterior cruciate ligament rupture  
Comparison of clinical examination, MRI and arthrometry  
*P. Varanda, P. Amado, A. Monteiro, M. Mendonça, J. Espregueira-Mendes, J. Bessa da Silva, Portugal*

**O-56** Rupture pattern of the ACL - investigation using a new classification system  
*T. Zantop, P. Brucker, A. Vidal, M. Ferretti, B. Zelle, F. H. Fu, Germany, USA*

Discussion

15:00 **Regional symposium France**

**Isolated PCL Lesions: Surgical Treatment**  
Chair: *P. Djian, France*

Isolated PCL injuries  
*P. Djian, France*

Anatomy and biomechanic  
*O. Siegrist, France*

Clinical examination  
*V. Bousquet, France*

Surgical techniques  
*A. Sbihi, France*

Patients and surgical methods  
*J.-F. Potel, France*

Results after surgical treatment  
*R. Badet, France*

Literature review and Discussions  
*M. Boussaton, France*

Rehabilitation  
*T. Cucurulo, France*

Take home message  
*P. Chambat, France*

16:00 **Coffee break - visit industrial exhibition**

16:30 **Symposium 23**

**Emerging technologies in joint replacement**  
Chair: *M. Marcacci, Italy, D. Murray, UK*
A new approach to lateral unicompartmental replacement
D. Murray, UK
New resurfacing unicompartmental prosthesis.
M. Marcacci, Italy
Arthrosurface experience in the knee
A. Miniaci, USA
Biological approaches to regenerate cartilage and meniscal tissue
S. Bruder, USA
From growth factor to total joint replacement
O. Kessler, Switzerland

17:30 Free papers – Patello-femoral problems and Osteotomies
Moderators: G. Puddu, Italy, U. Jörgensen, Denmark

Patello femoral problems

O-153 Arthritis progression after patellofemoral joint replacement
S. Nicol, M. Howard, J. Loveridge, A. Weale, C. Ackroyd, J. Newman, UK

O-154 Arthroscopic medial retinacular repair after patella dislocation with and without underlying trochlear dysplasia.
P.B. Schöttle, S. Scheffler, A. Schwarck, A. Weiler, Germany

O-155 Trochlear dysplasia: an under recognized condition.
J. Newman, J. Eldridge, C. Ackroyd, UK

O-156 Early results in 117 cases of patello-femoral replacement in patients under 55 years of age.
T. Clare, J. Newman, UK

O-157 Epidemiology and natural history of Isolated patello-femoral arthritis — a retrospective study about 367 knees.
D. Dejour, J. Allain, France

O-158 The influence of patella bracing on knee kinematics and patella biomechanics.
M. Bohnsack, A. Halcour, C. Hurschler, A. Wilharm, S. Ostermeier, P. Klages, O. Rühmann, C. J. Wirth, Germany

Discussion

Osteotomies

O-159 Biomechanical analysis before and after high tibial addition osteotomy in varus arthrosisic knees.
A. Caraffa, G. Zamarra, P. Antinolfi, A. Archillettii, E. Trinchese, G. Cerulli, Italy

O-160 Computer assisted double osteotomy for severe genu varum. First results about 11 cases.
D. Saragaglia, France

Discussion

18:30 Adjourn
Saturday, May 27th 2006

7:30 - ICL 11

8:45  Prevention of sports injuries
      Chair: R. Bahr, Norway
      Preventing injuries – A model for the team physician
          R. Bahr, Norway
      Preventing Ankle Sprains
          J. Karlsson, Sweden
      Preventing Knee Injuries
          G. Myklebust, Norway
      Preventing Hamstring Strains
          R. Bahr, Norway
      Preventing Groin Injuries
          P. Hölmich, Denmark
      Take-home message
          R. Bahr, Norway

8:45  Awards Presentation (20 minutes, 5 minutes for DJ award)
      Chair: J. Espregueira-Mendes, Portugal

9:25  Presentation
      ESSKA 2000 Congress in PORTO in 2008
          J. Espregueira-Mendes, Portugal

9:40  Lecture 15
      The future of sports medicine in the international perspective
          P. Renström, Sweden

10:00 Lecture 16
      Patella tendinopathy - not only about the tendon
          J. Cook, Australia

10:15 Mini-symposium
      Controversial issues in cartilage surgery
      Chairs: J. Richardson, UK, L. Engebretsen, Norway
      What clinicians need from basic science to improve surgery?
          J. Richardson UK
      What clinicians need from methodology to report on surgery?
          L. Engebretsen, Norway

10:45 Coffee break - visit industrial exhibition

11:15 Symposium 24
      The risk of osteoarthritis after an ACL injury
      Chair: H. Roos, Sweden
      The long term effects of an ACL injury, epidemiology and risk factors.
          H. Roos, Sweden
Are the patients or the doctors responsible for early posttraumatic OA?
Aspects on cartilage biologic, and on idiopathic vs. posttraumatic OA.
L. Dahlberg, Sweden

Will the changed biomechanical situation after an ACL injury contribute to the
development of OA?
M. Arna Risberg, Norway

Is it possible to reduce the risk for OA after an ACL injury?
H. Roos, Sweden

12:00 **Symposium 25**
**Minimal Invasive Surgery in TKA: is it worth the effort?**
Chair: P. Aglietti, Italy

Flexion in TKR
J. Bellemans, Belgium

Mini invasive TKR, MIS techniques
S. Hoffmann, Austria

Comparative studies, MIS vs. traditional, MIS vs Quad Sparing
P. Aglietti, Italy

13:00 **Lecture 17**
**Sport and joint replacement**
M. Bonnin, France

13:20 **Adjourn**
7:30 - ICL 12

8:45  Tissue regeneration of cartilage lesions: chondroprotectives, scaffold and cells
Chair: S. Marlovits, Austria

EULAR criteria for interpreting studies about chondroprotection
M. Herold, Austria

Evidence based medicine of SYSYDOA
S. Lohmander, Sweden

Evidence based medicine of hyaluronic acid
N. Bellamy, Australia

Evidence based medicine of ACT and MACT for cartilage reparation
B. R. Mandelbaum, USA

Standards in Cartilage Imaging for Cartilage Repair
S. Trattnig, Austria

Take-home message
S. Marlovits, Austria

10:00 Symposium 26
Complications in upper extremity arthroscopy
Chair: P. Hardy, France

Introduction
P. Hardy, France

Prospective and Retrospective Studies
S. Marmor, France

Postoperative pain control after shoulder arthroscopy
P. Hardy, France

Stiffness after Shoulder Arthroscopy (Incidence, Causes, Evaluation, Prevention, Treatment)
T. C. Ludvigsen, Norway

Complications related to shoulder arthroscopic portals
P. Landreau, France

Neurological Complications in Elbow and Wrist Arthroscopy (Incidence, Causes, Evaluation, Prevention, Treatment)
L. Pederzini, Italy

Complications of Extraarticular Upper Extremity Endoscopy
C. Dumontier, France

Conclusion and Questions from the audience
P. Hardy, France

10:45  Coffee break - visit industrial exhibition

11:15 Symposium 27
Arthroscopic management of intra-articular fractures
Chairs: M. N. Doral, Turkey, K.P. Benedetto, Austria

Introduction and ankle fractures, arthroscopic treatment
M. N. Doral, Turkey
Tibial Plateau fractures: Diagnostic and Arthroscopic treatment
R. Cugat, Spain

Tibial eminence and patellar fractures, Arthroscopic treatment
N. Reha Tandogan, Turkey

Arthroscopic management of upper limb fractures
G. Bain, Australia

Take home message
N. Maffulli, UK

Discussion

12:00 Symposium 28
Stem cells- the real answer or more problems?
Chairs: N. Nakamura, Japan, M. Brittberg, Sweden

Biology of Mesenchymal Stem Cells -Their Potential & Safety Concern
F. Luyten, Belgium

In vivo feasibility of cell-based therapy (including stem cell therapy) to cartilage repair at current status -animal studies & clinical trials
M. Brittberg, Sweden

A potential future therapeutic approach 1: use of magnetic beads for local delivery of mesenchymal stem cells
N. Adachi, Japan

A potential future therapeutic approach 2: Scaffold-free tissue engineering using mesenchymal stem cells
N. Nakamura, Japan

13:00 Lecture 18
The future is here! This is what the arthroscopist can expect in 2020.
T. Wredmark, Sweden

13:20 Adjourn
Multidirectional instability of the gleno-humeral joint

Chair: T. C. Ludvigsen, Norway

Introduction
T. C. Ludvigsen, Norway

MDI – The rationale for nonsurgical treatment and why surgery fails
L. Neumann, UK

Open surgical procedures – pro and contra
R. Norlin, Sweden

Thermal capsuloraphy - still worthwhile?
O. Levy, UK

Arthroscopic capsular plication
T. C. Ludvigsen, Norway

Treatment of recurrent MDI and chronic pain problems. Nonsurgical treatment or another operation?
P. Hardy, France

Take-home message
T. C. Ludvigsen, Norway
7:30 - ICL 14

8:45 Challenging elbow problems
Chair: G. Bain, Australia

Elbow Arthroscopy: Set up and portals
L. Pederzini, Italy

Elbow Arthroscopy: Therapeutic techniques
G. Bain, Australia

Medial elbow instability
M. Safran, USA

Lateral elbow Instability
D. Eygendaal, Netherlands
7:30 - ICL 15

8:45 Posterolateral knee injuries: Anatomy, clinically relevant biomechanics, diagnosis, and surgical treatment
Chair: R. LaPrade, USA

Anatomy, diagnosis
R. LaPrade, USA

Clinically relevant biomechanics
F. Wentorf, USA

Management of acute injuries
L. Engebretsen, Norway

Management of chronic injuries
S. Johansen, Norway

Outcomes and take-home message
R. LaPrade, USA
Lunchworkshops

Wednesday, May 24th 2006

12.15 - 13.15

**De Puy Mitek Europe**

ACL difficult cases: Rigidfix, the solution  
_P. Landreau, France_

ACL repair in adolescents: results to date with Rigidifix  
_P. Volpi, Italy_

Tibial Fixation with Biointrafix: results to date  
_P. Landreau, France_

**ReGen Biologics AG**

What's new with CMI™  
_J.R. Steadman, USA_

_W.G. Rodkey, USA_

_D. Holsten, Germany_

_P. Bulgheroni, Italy_

**Smith & Nephew Inc.**

Alternative Solutions for Shoulder Instability: Suture Anchors, Absorbable Tacks and Non-Knot Tying Anchors  
_J. Willems, Netherlands, E. Taverna, Italy_
Wednesday, May 24th 2006

**Lunchworkshops**

12.15-13.15

**Stryker S.A.**
Innovation Matters with Stryker Knees
*M. Nogler, Austria*
Procedure Innovation: Scorpio MIS Programme
*Chauhan, UK*
Scorpio NRG: Knee Design evolution
*M. Sparmann, Germany*

**Synthes**
TomoFix lunch symposia
*A. E. Staubli, Switzerland*

**Zimmer GmbH**
Electro magnetic tracking for advanced MIS™ techniques in total knee replacement
*S. Hofmann, Austria*
TomoFix®. The stable bridge for osteotomies at the knee.

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- Compression in the opposite cortex promotes direct bone healing

Tomofix
Lunch Symposium
Wednesday, May 24, 2006
12.15–13.15

Venue
Room Grenoble
Main building, 3rd floor

Instructor
Dr. Alex Staubli

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Arthro Kinetics plc.
Clinical results with CaReS® cartilage regeneration system
U. Schneider, Germany
S. Marlovits, Austria

Arthrex GmbH
ACL RetroConstruction - New technique of an old philosophy
G. Puddu, Italy
Double bundle ACL reconstruction
A. B. Imhoff, Germany
Combined ACL reconstruction and high tibial osteotomy
K.-P. Benedetto, Austria

Conmed Linvatec Europe
OBI TruFit Polygraft Scaffolds - A new approach
to repair of Osteochondral defects
T. Spalding, UK
Lunchworkshops

Thursday, May 25th 2006

12.15-13.15

DePuy International
Intelligent knee surgery I

Mathys Ltd.
balanSys navigation and experience
A. Wymenga, Netherlands

Uni knee concept and multi centre study results
F. Hoffmann, Germany

Multi centre 5 years results
A. Schuster, Switzerland

Smith & Nephew Inc.
Advances in Hip Arthroscopy
M. Philippon, USA
M. Leunig, Switzerland
J.W. Thomas Byrd, USA
Thursday, May 25th 2006

12.15-13.15

**Stryker S.A.**
Post-Operative Pain Management in TKA
H. Roushdi, UK

**Zimmer GmbH**
Zimmer minimally invasive solutions™ in knee arthroplasty
S. Romagnoli, Italy
M. Denti, Italy
W. Klauser, Germany
<table>
<thead>
<tr>
<th>Location</th>
<th>Workshop Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>INNSBRUCK</td>
<td>DePuy International: Intelligent knee surgery II</td>
</tr>
<tr>
<td>IGLS</td>
<td>Karl Storz GmbH: PCL - how to do? A. Weiler, Germany</td>
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<tr>
<td>NEW ORLEANS</td>
<td>Mathys Ltd.: Demo-workshop-Uni Knee</td>
</tr>
<tr>
<td>GRENoble</td>
<td>Smith &amp; Nephew Inc.: Recent Advances in Meniscal Repair L. Pederzini, Italy P. Beaufils, France</td>
</tr>
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**Friday, May 26th 2006**

**Lunchworkshops**

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<th>12.45-13.45</th>
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**STRASBOURG**

**Stryker S.A.**

Moving cartilage repair to the next level - What's needed?

An interactive workshop

*R. Verdonk, Belgium*

*M. Steinwachs, Germany*

*L. Engebretsen, Norway*

*J. Vanlauwe, Belgium*

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**BRUSSELS**

**TIGENIX**

Early results using an HA/PLLA fixation device for ACL reconstruction

*V. Martinek, Germany*

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**FREIBURG**

**Zimmer GmbH**

New tourniquet safety in lower leg applications by using LOP technology

*J.A. McEwen, Canada*
“Moving cartilage repair to the next level: What’s needed? “
An interactive workshop

Chairman: René Verdonk, Gent, Belgium

TiGenix Satellite Symposium
Friday 26 May, 2006 - 12:45 pm
at 12th ESSKA 2000 Congress
Congress Centre – Brussels room

- 12:45 Welcome and introduction
  René Verdonk, Gent, Belgium

- 12:55 Pros & Cons of current cartilage repair techniques
  Matthias Steinwachs, Freiburg, Germany

- 13:10 EBM and the role of EMEA and FDA
  Lars Engebretsen, Oslo, Norway

- 13:25 Moving ACI from procedure to product
  Johan Vanlauwe, Leuven, Belgium

- 13:40 Discussion and take home messages
  René Verdonk and faculty

Each presentation as well as the introduction and discussion include 1-2 interactive voting questions.

Lunch and drinks will be offered to the attendees.
HEAD

P-4
Importance of length of skin incision in minimal invasive total knee arthroplasty
Thienpont E., Belgium

P-5
Intra or juxta-articular osteoid osteoma: A diagnostic challenge. Misdiagnosis and successful treatment. A report of four cases
Vadala G., Italy

SPINE

P-6
Changes in NMDA: NR1, NR2A and NR2C subunits expression after spinal cordsection and transplant performed on dogs
Bitar W., Mexico

P-7
Psychopathology of patients with low back pain
Tomasevic S., Kecojevic S., Demesi C., Kecojevic V., Serbia and Montenegro

SHOULDER

P-11
The os acromiale as a cause for peristent subacromial pain syndrom after arthroscopic subacromial decompresssson
Jerosch J., Schunck J., Germany

P-12
In vitro strength retention of biodegradable suture anchors
Pirhonen E., Nurmi J., Suuriniemi N., Finland
P-13
Minimally invasive endoscopic reconstruction technique of acute ac-joint dislocations – a cadaver study
Osti M., Seil R., Bachelier F., Gohm A., Kohn D., Benedetto K.P., Austria, Luxembourg, Germany

P-14
Failed shoulder subacromial decompression – is it the end of the road?
George Malal J.J., Pillai A., Nimon G., United Kingdom

P-15
Bilateral simultaneous anterior dislocation of shoulder - case report
Hussain A., Iqbal J., United Kingdom

P-16
Results of modified Weaver-Dunn procedure in painful acromioclavicular joint dislocations
Kumar S., Penematsa S., Selvan T.P., United Kingdom

P-17
Burkhart’s anteroinferior subaxilar portal puts axillary nerve and humeral circunflex arteries at risk.
Gelber P.E., Monllau García J.C., Reina F., Spain

P-18
Arthroscopic treatment of irreparable rotator cuff tears with and without tenotomy of the long head of the biceps
Baums M.H., Meyer H., Schultz W., Klinger H.-M., Germany

P-19
New concept of arthroscopic bankart repair: Double Anchor Footprint Fixation (DAFF) technique
Yoneda M., Mizuno N., Take Y., Mae T., Japan

P-20
Designer orthopaedic surgery in a patient with anti-Vel antibodies.
Bhatti A., Shah M., Qaeemkhani S., Potter D., Stanley D., United Kingdom
Posters

P-21
A point score system for predicting the likelihood of blood transfusion after Shoulder and elbow arthroplasty.
Bhatti A., Shah M., Qaimkhani S., Fountain J., Stanley J., Potter D., United Kingdom

P-22
Shoulder adhesive capsulitis, arthroscopic treatment experience

P-23
Calculous tendinitis of the rotator cuff, arthroscopic treatment experience
Kavalerskiy G.M., Arhipov S.V., Makarov S.A., Berezin A.A., Russian Federation

P-24
Thermal capsular shrinkage, as a method of arthroscopic treatment of shoulder instability
Kavalerskiy G.M., Arhipov S.V., Makarov M.A., Russian Federation

P-25
Re producibility and concordance of humeral stem radiolucent lines evaluation
Torrens C., Gonzalez G., Corrales M., Caceres E., Spain

P-26
Computed tomography analysis of glenoid component implantation of reversed prostheses
Torrens C., Corrales M., Gonzalez G., Solano A., Caceres E., Spain

P-27
Locked intramedullary nail in humeral diaphyseal delayed unions and nonunions
Ballester M., Badia J.M., Auleda J., Spain

P-28
Adhesive capsulitis of the shoulder; the role of matrix metallo-proteinases in patients with diabetes mellitus.
Brown I.D., Kelly I., McInnes I., Gracie A., United Kingdom

P-29
Platelet derived growth factors in rotator cuff repair. A prospective study: one year follow-up
Randelli P., Arrigoni P., Randelli F., Italy
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Information correct as at 12/2005
P-30
Arthroscopic stabilization of shoulder - our experience with bioknotless fixation
Madeja R., Pleva L., Demel J., Czech Republic

P-31
Anatomy and MRI of the rotator cable or the so called ligamentum semicirculare humeri
Kask K., Kolts I., Lubienski A., Busch L.C., Põldoja E., Tomusk H., Leibecke T., Estonia, Germany

P-32
Arthroscopic release for failed intraarticular transverse sliding mechanism: a report of two cases
Tomoyuki M., Sugaya H., Maeda K., Moriishi J., Tsuchiya A., Muneta T., Japan

P-33
Arthroscopic intraarticular repair of isolated partial subscapularis tendon tears - operative technique and results
Mikek M., Hussein M., Kavic G., Slovenia

P-34
Surgical treatment of acute type IV and V AC joint dislocations.
Zacharakis N., Chissas D., Theodorakopoulos P., Christofoglou G., Kastritseas L., Asimakopoulos A., Greece

P-35
Primary synovial chondromatosis of the shoulder – a rare condition
Siebold R., Dehler C., Germany

P-36
Anatomic study of glenoid labrum
Singh C., Bain G., Carter C., Galley I., Malaysia, Australia

P-37
A long-term follow-up study after arthroscopic intraarticular bankart repair using absorbable tacs
Ejerhed L., Kartus J., Sernert N., Hultenheim I., Karlsson J., Sweden

P-38
Isokinetic strength measurement after arthroscopic cuff repair – Results after 24 months
Listringhaus R., Heikenfeld R., Godolias G., Germany
P-39
Arthroscopic distal clavicle resection in subtle acromioclavicular instability
Yoo Y., Republic of Korea

P-40
Biomechanical comparison of arthroscopic biceps tenodesis repairs
Costic R., Frazier E., Smolinski P., Gilbertson L., Fu F., Rodosky M., United States of America

P-41
Long-term results after reconstruction of isolated traumatic subscapularis tendon tears in sportlers
Bartl C., Scheibel M., Lichtenberg S., Magorsch P., Habermeyer P., Germany

P-42
The role of the AC joint with arthroscopic subacromial decompression – coplaning or resection of the distal clavicle?
Heikenfeld R., Lstringhaus R., Godolias G., Germany

P-43
Arthroscopic cuff repair: clinical results and CT-Arthrography assessment of tendons healing
Dagher E., Kempf J.-F., France

P-44
Arthroscopic cuff repair in overhead sportsmen – technique and results after 3 years
Heikenfeld R., Lstringhaus R., Godolias G., Germany

P-45
Ultrasonographic evaluation of subacromial-subdelitoid bursa and supraspinatus-biceps tendons in overhead athletes
Ocguder A., Cicek N., Bektaser B., Ozgur T., Tas I., Bozkurt M., Turkey

P-46
Arthroscopic multi-pleated capsular plication compared with open inferior capsular shift for multi-directional instability
Sekiya J., Willobee J., Holloway A., United States of America

P-47
Biomechanical analysis of Hill-Sachs lesions: injury and repair using osteoarticular allograft transplantation
Sekiya J., Wickwire A., Stehle J., Debski R., United States of America
Posters

P-48
Subacromial decompression in treatment of rotator cuff disorders.
Kominiak P., Ferenc M., Poland

P-49
They evaluation of clinical results after arthroscopic subacromial decompression of the shoulder to the volleyball players
Bataga T., Nagy O., Bataga S., Melinte R., Tomiooaga L., Romania

P-50
Correlation between clinical assessment, ultrasound and magnetic resonance with shoulder arthroscopy
Lopez-Vidrerio E., Spain

ELBOW/HAND/FINGERS

P-51
Functional evaluation of conservatively managed fifth metacarpal neck fractures
Sudhahar T., Wells J., Ankarath S., United Kingdom

P-52
Patient satisfaction after open release of the common extensor origin in the management tennis elbow
Thomas , Broome G., United Kingdom

P-53
Ipsilateral diaphyseal fractures of radius, ulna and radial head – a rare combination
Rafiq I., Kumar K., Sutherland A., United Kingdom

P-54
Badia A., Riano F., Sambandam S., Gupta V., United States of America, United Kingdom
P-55
Arthroscopic assessment and treatment of stage II thumb carpometacarpal joint osteoarthritis.
Badia A., Riano F., Sambandam S., Gupta V., United States of America, United Kingdom

P-56
Arthroscopic repair of triangular fibrocartilage complex tears with the suture welding technique.
Badia A., Riano F., Sambandam S., Gupta V., United States of America, United Kingdom

P-57
Arthroscopic debridement and irrigation of periprosthetic total elbow infection: A case report
Mastrokalos D., Zachos K., Soultanis K., Soucacos P., Greece

P-58
Lateral unilateral dynamic external fixator function about the soft-tissue injured elbow joint – qualitative analysis of kinematics
Kamineni S., Hirahara H., Neale P., O’Driscoll S., An K.-N., Morrey B., United Kingdom, Japan, United States of America

P-59
Isometric approach to reconstruction of chronic injury of the ulnar collateral ligament of the MCP joint of the thumb
Hermann D., Veseljko M., Slovenia

P-60
Isolated open dislocation of the distal radio-ulner joint after a stab injury. Outcome assessment at one year.
Bhatti A., Grant C., Janjua I., Sadique T., Goswami S., United Kingdom

P-61
Biomechanical analysis of elbow in female volleyball players
Cerulli G., Caraffa A., Lorenzini M., Checcarelli D., Italy

P-62
Arthroscopyc replacement of necrosis of the proximal pole of the scaphoid by a partial pyrolitic carbon scaphoid implant. Preliminary study.
Massarella M., Mathoulin C., Italy, France
**Posters**

**P-63**  
Treatment outcomes for arthroscopic suture repair of type I b triangular fibrocartilage complex  
*Chang C.-C., Taiwan*

**P-64**  
All inside technique in tfcc repair of the wrist  
*Pederzini L., Italy*

**P-66**  
Arthroscopic release of stiff elbow :revision of 150 cases  
*Pederzini L., Tosi M., Prandini M., Italy*

**P-67**  
Arthroscopic resection of synovial plica in the elbow  
*Yoo Y., United States of America*

**PELVIS/GROIN**

**P-68**  
Arthroscopic treatment of the hip in early and midstage degenerative joint disease  
*Jerosch J., Schunck J., Germany*

**P-69**  
Acetabular labrum tear in Japanese patients  
*Yamamoto Y., Kondo M., Ohba T., Hamada Y., Japan*

**P-70**  
Second-look arthroscopy of chondral lesions of the acetabulum treated with arthroscopic microfracture  
*Philippon M., Schenker M., Briggs K., United States of America*

**P-71**  
Meralgia paresthetica. A diagnosis not to be missed  
*Bhatti , Gupta S.K., Alo O.M., Sanda S., Alo G.O., United Kingdom*

**P-72**  
Femoro-acetabular impingement. Rehabilitation in professional ice hockey players.  
*Bizzini M., Gorelick M., Nötzi H., Switzerland*
**P-73**
Factors associated with revision hip arthroscopy
*Philippon M., Stubbs A., Schenker M., Briggs K., United States of America*

**P-74**
A 3-year outcome study of hip arthroscopy
*Philippon M., Martin R., Schenker M., United States of America*

**P-75**
Clinical presentation of femoroacetabular impingement
*Philippon M., Schenker M., Briggs K., Stubbs A., United States of America*

**P-76**
Clinical presentation of hip instability
*Philippon M., Schenker M., Briggs K., Stubbs A., United States of America*

### ACL

**P-77**
Length change and change pattern of graft excursion is affected by preoperative period and medial meniscal injury in ACL reconstruction.
*Kurihara Y., Muneta T., Japan*

**P-79**
The tunnels in ACL reconstruction: „Does navigation offer a surplus?“
*D’Hooghe P., Bellemans J., Vandekerckhove B., Derijcke J., Belgium*

**P-80**
The influence of EMG-Biofeedback-Therapy on knee extension following anterior cruciate ligament reconstruction
*Christianell F., Hoser C., Huber R., Fink C., Austria*

**P-81**
Torsional strength of a new biodegradable interference screw
*Nurmi J., Ahvenjarvi P., Suuriniemi N., Finland*

**P-82**
The fixation strength of the biodegradable Hexalon™ interference screw
*Nurmi J., Suuriniemi N., Finland*
P-83
Anatomic double bundle ACL reconstruction with the semitendinosus tendon
Gobbi A., Francisco R., Italy

P-85
Measuring the tunnel positioning the tunnels of an ACL replacement with a navigation system. Comparison with X-ray measurements.
Jenny J.-Y., Schneider L., Boeri C., France

P-86
Tunnel widening in anterior cruciate ligament reconstructive surgery—role of biologic fixation
Bhattacharyya M., Gerber B., United Kingdom

P-87
Clinical results of anterior cruciate reconstruction with hamstring graft and interference screw fixation at 3- to 8- year follow-up.
Moisala A.-S., Järvelä T., Honkonen S., Paakkala A., Paakkala T., Järvinen M., Finland

P-88
Notch-plasty – controversial question
Natchkebia L., Gaprindashvili V., Zimlitski M., Georgia

P-89
Current practice in the management of anterior cruciate ligament injuries in the UK
Kapoor B., Walley G., Clement D., Kirkley A., Maffulli N., United Kingdom, Canada

P-90
Reconstruction ACL with compressed bone-hamstring-bone graft - technical note
Milankov M., Stankovic M., Ninkovic S., Savic D., Serbia and Montenegro

P-91
Effect of femoral tunnel position on reconstructed anterior cruciate ligament
Ichiba A., Oda K., Kishimoto I., Japan

P-92
Topographical anatomy in anterior cruciate ligament replacement surgery in children
Seil R., Milz S., Gohm A., Osti M., Benedetto K.P., Luxembourg, Germany, Austria
P-93
Transverse femoral fixation in acl reconstruction with hamstrings grafts: An anatomic study about the relationships between the transcondylar device and the posterolateral structures of the knee.
Pujol N., David T., Bauer T., Hardy P., France

P-94
Does bone tunnel compaction enhance the initial femoral fixation strength of press-fit fixated patellar tendon-bone grafts in ACL reconstruction?
Dargel J., Schmidt-Wiethoff R., Koebke J., Schneider T., Schmidt J., Brüggemann G.-P., Germany

P-95
Loss of anterior cruciate ligament graft tension with dynamic flexion extension loading in a porcine knee model
Dargel J., Schmidt-Wiethoff R., Schulze A., Ninck J., Koebke J., Brüggemann G.-P., Germany

P-96
The correlation between outcome evaluation systems after anterior cruciate ligament reconstruction
Kim J.Y., Kim J.G., Republic of Korea

P-97
Two sports players showing reduced sports performances due to knee flexor weakness following anterior cruciate ligament reconstruction with semitendinous and gracilis tendon
Kitaoka K., Maruhashi Y., Tomita K., Japan

P-98
Biomechanical testing of hybrid hamstring graft tibial fixation in anterior cruciate ligament reconstruction
Yoo J.C., Ahn J.H., Republic of Korea

P-99
Clinical results of revision acl reconstruction
Lo Vetere D., Thiebat G., Volpi P., Schönhuber H., Denti M., Italy

P-100
ACL reconstruction in adolescents using hamstring tendons: New technique and preliminary results
Volpi P., Thiebat G., Lo Vetere D., Schönhuber H., Denti M., Italy
P-101
Anterior Cruciate Ligament reconstruction outcomes at one year follow up
Bizzini M., Gorelick M., Munzinger U., Switzerland

P-102
Is there a potential for graft contamination during preparation for anterior cruciate ligament reconstruction?
Hantes M., Basdevis G., Giotikas D., Bargiotas K., Malizos K., Greece

P-103
Preoperative assessment of hamstring size in acl reconstruction-study using ultrasound
Varghese B., Patel N., Bunola J., Bollen S., Groves C., United Kingdom

P-104
Effects of intaarticular joint injection of bone marrow stromal cells at partial anterior cruciate ligament torn knees
Kanaya A., Deie M., Adachi N., Yanada S., Izuta Y., Kobayashi K., Nishimori M., Ochi M., Japan

P-105
Rigidfix both ends: Clinical outcome of anterior cruciate ligament reconstruction with quadrupled hamstring tendon graft and Bioabsorbable Rigidfix
Bhatti A., Shah M., Brown J.N., United Kingdom

P-106
The accuracy of the clinical examination as a diagnostic approach in acute posttraumatic haemarthrosis of the knee joint
Zacharopoulos A., Apostolopoulos A., Crisanthopoulou M., Greece

P-107
The course of the patellar tendon after reharvesting its central third for ACL revision surgery. A prospective long-term clinical and radiographic study.
Lidén M., Ejerhed L., Sernert N., Bovaller Å., Karlsson J., Kartus J., Sweden

P-108
Influence of preoperative cryo-therapy on post-operative morbidity after arthroscopically assisted ACL reconstruction.
Feil S., Paessler H.H., Springer J., Diamantopoulos A., Becher C., Germany
**P-109**
Changes of central knee temperature during arthroscopy and ACL reconstruction after preoperative cooling
_Diamantopoulos A., Paessler H.H., Feil S., Springer J., Becher C., Germany_

**P-110**
Three to nine years follow-up in ACL revision reconstruction in 104 patients
_Lorbach O., Diamantopoulos A., Paessler H.H., Becher C., Germany_

**P-111**
Long-term results in the treatment of ACL ruptures using the LARS artificial ligament in relation to a Four-Grade classification system of ACL-stump
_Papadopoulos G., Darmanis S., Tsilikas S., Kiatos D., Greece_

**P-112**
Changes of intraarticular knee temperature under different thermic conditions in sports: An in-vivo study of jogging and alpine skiing.

**P-113**
Original arthroscopic technic for antero cruciate ligament re-tensioning
_Charrois O., Cheyrou E., Remi J., Panarella L., Beaufils P., France_

**P-114**
Biomechanical comparison between CentraLoc™ and IntraFix™ device fixation of quadrupled hamstring tendon allografts in matched pair human tibiae
_Nyland J., Krupp R., Nawab A., Burden R., Caborn D., United States of America_

**P-115**
Surgical results of implant-free anterior cruciate ligament reconstruction using press-fit technique with periosteam-enveloping hamstrings tendon autograft
_Chuang T.-Y., Ho W.-P., Chen C.-H., Liao J.-J., Taiwan_

**P-116**
Tissue handling properties: A comparison of extreme human tibialis anterior allograft incubation and rehydration processes
_Nyland J., Chang H.C., Caborn D., United States of America, Singapore_
P-117
Different factors predict CentraLoc™ and IntraFix™ device effectiveness for quadruple hamstring allograft fixation in human tibiae
Smith C., Nyland J., Krupp R., Nawab A., Burden R., Caborn D., United States of America

P-118
Stability results of hamstrings ACL reconstruction with EndoButton femoral and interference screw/spiked washer tibial fixation
Iosifidis M., Sarrigiannidis P., Antoniou C., Tsarouhas A., Giannoulis G., Malioufas L., Traios S., Giantsis G., Greece

P-119
Radiographic evaluation of femoral and tibial tunnel placement in lateralized single-bundle and anatomical two-bundle ACL reconstruction
Tsuda E., Ishibashi Y., Fukuda A., Tsukada H., Toh S., Japan

P-121
Anatomic ACL reconstruction
Mazneikov H., Mihov K., Muradov A., Zagorov M., Dimitrov N., Hayvazov I., Bulgaria

P-122
Long-term results of surgical repair of traumatic knee dislocation
Hernandez-Hermoso J., Gonzalez L., Morales J., Spain

P-123
Morphological findings of reconstructed acl using quadriceps tendon autograft - electron microscopy and MRI study -
Han H.S., Seong S.C., Lee M.C., Lee S., Republic of Korea

P-124
Initial fixation strength of a new hybrid technique for femoral acl graft fixation: the bone wedge technique
Petersen W., Herbt M., Weimann A., Strobel M., Raschke M., Zantop T., Germany

P-125
Double-bundle anterior cruciate ligament reconstruction. An experimental biomechanical study
Papachristou G., Kalliakmanis A., Sourlas J., Magnisalis E., Plessas S., Greece
P-126
Quadrupled hamstring tendon autograft anterior cruciate ligament reconstruction using endobutton fixation: Medium term results
Bhatti, Horriat S., Iqbal M.J., United Kingdom

P-127
A meta-analysis of stability after anterior cruciate ligament reconstruction as a function of hamstring versus patellar-tendon graft, and fixation type
Prodromos C., Joyce B., Shi K., Keller B., United States of America

P-128
Anterior cruciate ligament reconstruction with multi-strands hamstrings tendon in judo players
Cho S., Niga S., Hoshino A., Ikeda H., Japan

P-129
ACL reconstruction with a quadrupled hamstrings tendon autograft does not restore tibial rotation to normative levels during landing from a jump and subsequent pivoting
Chouliaras V., Ristanis S., Moraiti C., Tzimas V., Stergiou N., Georgoulis A., Greece, United States of America

P-130
Incidence of meniscal and chondral lesions in the anterior cruciate ligament deficient knee as determined by the time of reconstructive surgery
Schmidt-Wiethoff R., Dargel J., Roell F., Ninck J., Schneider T., Schmidt J., Germany

P-131
The fascial band from semitendinosus to gastrocnemius: The critical point of hamstring harvesting (a cadaveric study)
Tuncay I., Kucuker H., Uzun I., Turkey

P-132
A comparison of patellar tendon and amstring tendons for acl reconstruction using similar femoral and tibial fixation methods: a randomized study
Taylor D., DeBerardino T., Nelson B., Tenuta J., Mountcastle S., United States of America

P-133
Retrospective analysis of ACL reconstruction with hamstrings plus extra-articular plasty at 10-13 years follow up.
Marcacci M., Zaffagnini S., Lo Presti M., Giordano G., Bruni D., Iacono F., Neri M.P., Italy
P-134
Current techniques of anatomical ACL reconstructions
Zantop T., Kubo S., Musahl V., Petersen W., Fu F., Germany, United States of America

P-135
Femoral fixation of hamstring grafts for PCL reconstruction: Is there a „killer turn“
Niedwieczky P., Weimann A., Zantop T., Her bert M., Strobel M., Raschke M., Petersen W., Germany

P-136
Anatomical ACL reconstructions - the role of am and PL bundle in anterior tibial translation and tibial rotation
Zantop T., Herbert M., Weimann A., Fu F., Raschke M., Petersen W., Germany, United States of America

P-137
Tibial eminence fractures in children C.T. 3D reconstruction and arthroscopic reduction using bioabsorbable screw
Finkelstein M., Nudelman A., Israel

P-138
Posterior mini-incision technique for hamstring anterior cruciate ligament reconstruction graft harvest
Prodromos C., Han Y., Keller B., Bolyard R., United States of America

P-139
Biomechanical evaluation of different fixation methods for tibial eminence fractures
Eggers A.K., Zantop T., Weimann A., Becker C., Fu F., Raschke M., Petersen W., Germany, United States of America

P-140
Bridge stability of anatomical ACL reconstructions
Haase A.C., Zantop T., Weimann A., Raschke M., Fu F., Petersen W., Germany, United States of America

P-141
AM and PL bundle of the ACL: Radiographic findings with regard to tunnel positioning
Zantop T., Weimann A., Fu F., Raschke M., Petersen W., Germany, United States of America

P-142
Anatomic ACL reconstruction: Drilling of the PL tunnel via a high anteromedial portal is associated with the risk of chondral damage
Haase A.K., Zantop T., Herbert M., Raschke M., Petersen W., Germany
P-143
BioIntrafix - new distal looking system of the LCA hamstring graft
Demel J., Madeja R., Pleva L., Czech Republic

P-144
Clinical, radiological and histological study of a PLLA/β-TCP interference screw. Results in 30 ACL reconstruction with the hamstring tendons at 1 year follow-up.
Robert H., Bocquet J.F., Clement D., Frayssinet P., France

P-145
The function of the ACL measured in an vertical opened MRI (0.5 Tesla)
Lob T., Schmidt F., Verheyden A.P., Josten C., Spain, Germany

P-146
Difference in knee flexion angle during arthroscopic ACL reconstruction may affect the accuracy of femoral tunnel placement
Nagamune K., Muratsu H., Nishimoto K., Hoshino Y., Tanaka K., Mizuno K., Yagi M., Kuroda R., Yoshiya S., Kurosaka M., Japan

P-147
Validation of a new tensioner system for acl reconstruction
Spalding T., Dalton P., McGee A., Gallie P., United Kingdom

P-148
Bone tunnel enlargement after ACL reconstruction using autologous hamstring tendons: A CT study
Iorio R., Vadalà A., Argento G., Di Sanzo V., Ferretti A., Italy

P-149
A systematic review of evidence for exercise for treating isolated anterior cruciate ligament injuries of the knee in adults
Trees A., Howe T., Dixon J., White L., United Kingdom

P-150
Technique and results of ACL revision reconstruction
Osti M., Gohm A., Benedetto K.P., Austria

P-152
Recovery status of athletes with mid-season anterior cruciate ligament injury treated with nonoperative management by the end of the season
Shima Y., Kitaoka K., Maruhashi Y., Okano A., Nakamura K., Tsuyama T., Yagishita M., Tomita K., Japan
Posters

P-153
Arthroscopic reconstruction of the anterior cricuate ligament with versus without extra
articular tenodesisComparative prospective randomized study
Henner J., Ait Si Selmi T., Servien E., Neyret P., France

P-154
Mid-term follow-up of ACL reconstruction with All-inside technique
Cerulli G., Caraffa A., Zamarra G., Antinolfi P., Vercillo F., Italy

P-155
Clinical and radiografic findings after ACL reconstruction with artificial ligament
Zeri A., Giulante A., Di Croce C., Italy

P-156
The ganglion cyst of the anterior cruciate ligament: Diagnosis and treatment
Demey G., Servien E., Ait Si Selmi T., Neyret P., France

P-157
ACL reconstruction in high performance sporters
van Dijck R., Fiévez A., van der Meer O., van Ommeren J., van der Hart C., Netherlands

P-158
Revision ACL reconstruction using doubled semitendinosus and gracilis tendons:
A follow up study.
Ferretti A., Conteduca F., De Carli A., Carmelo D., Monaco E., Italy

P-159
Incidence and injury mechanisms of anterior cruciate ligament injury in professional junior
alpine skiers in Austria
Tecklenburg K., Smekal V., Hoser C., Raschner C., El Attal R., Fink C., Austria

P-160
ACL revision surgery. Outcome study of a 43-case prospective series.
El Kateb M.M., Christel P., Djian P., Bellier G., Belhareth S., France

P-162
Alterations in stride-to-stride variability after ACL rupture as measured using
nonlinear methodology
Moraiti C., Stergiou N., Ristanis S., Georgoulis A., Greece
P-163
The influence of quadriceps strength in the development of dynamic knee stability in the ACL deficient athlete
Hurd W., Axe M., Snyder-Mackler L., United States of America

P-164
Revision anterior cruciate ligament reconstruction: Surgical technical problems and solutions
Botto F., Nardacchione R., Rovini A., Italy

P-165
Screening test for evaluation of knee function in patients with isolated rupture of anterior cruciate ligament
Moksnes H., Risberg M.A., Engebretsen L., Norway

P-166
Biomechanical properties of hamstring graft tibial fixation techniques experimental Study with roentgen stereometric analysis
Steimer O., Pape D., Adam F., Histing T., Kohn D., Germany

P-167
The partial rupture of ACL of the knee-need for operative treatment
Kecojevic V., Kecojevic S., Tomasevic S., Serbia and Montenegro

P-168
Double bundle ACL reconstruction with four tunnel technique – our own experience
Solecki A., Sadlik B., Brzoska R., Poland

P-169
Subjective evaluation of ACL reconstructions – a prospective study using the warrington knee injury database
Rathinam M., Pengas I., Stables G., Hatcher A., McNicholas M.J., United Kingdom

P-170
Development and construction of a KNEE-HOLDING-APPARATUS (Pat. Reg.) for dynamic ACL and knee-laxity-measurement in a MRI-Scanner
Lob T., Schmidt F., Verheyden A.P., Josten C., Germany
**Posters**

**P-171**
Cadaveric knee observation study for describing anatomic femoral tunnel placement for two-bundle ACL reconstruction
Mochizuki T., Muneta T., Nagase T., Shirasawa S., Akita K., Sekiya I., Japan

**P-172**
Our surgical option to deal whit ACL reconstruction
Moreno-Moreu N., Moreno-Lorenzo V.M., Spain

**P-173**
The relationship between knee functionality of ACL deficient and ACL reconstructed knees and tibial acceleration profiles. Is there a correlation?
Bryant A., Newton R., Steele J., Hohmann E., Australia

**P-174**
What is the association between knee functionality and hamstring antagonist activation in ACL deficient and ACL reconstructed patients?
Bryant A., Newton R., Steele J., Hohmann E., Australia

**P-175**
A description of the anterior cruciate ligament attachments for anatomical reconstruction: a cadaveric study
Colombet P., Christel P., Sbihi A., Franceschi J.P., Djian P., Bellier G., Robinson J., France

**P-176**
Biomechanical evaluation of six femur-graft-tibia complex in ACL reconstruction with DGST. Is the tibial fixation still the weakest point?
Labianca L., Monaco E., Speranza A., Camillieri G., Ferretti A., Italy

**P-177**
Double-bundle ACL reconstruction using out-in femoral drilling
Pederzini L., Tosi M., Italy

**P-178**
Intra-articular ganglion cysts of the knee joint associated with the cruciate ligaments. A report of 5 cases
Andrikoula S., Vasiliadis H., Tokis A., Batistatou A., Kosta P., Georgoulis A., Greece

**P-179**
Contamination rate of autologous anterior cruciate ligament graft
Molano C., Muñoz A., Perez Ferri R., Madrigal J.M., Spain
P-180
Patellar tendon vs hamstrings graft: Variability changes in knee flexion/extension movement patterns during walking.
Moraiti C., Vasilias H., Tzimas V., Lee C., Ristanis S., Stergiou N., Georgoulis A., Greece, United States of America

P-181
Functional knee brace migration: biomechanical parameter changes
Lamontagne M., Singer J., Canada

P-182
Quality control in ACL-surgery. An audit of tunnel position in a teaching hospital.
Behrend H., Kessler M., Stutz G., Rukavina A., Giesinger K., Kuster M., Switzerland

P-183
MRI angles in normal anterior cruciate ligament and in reconstructed anterior cruciate ligaments in both sagittal and coronal planes
Singh C., Eriksson K., Bartlett J., Malaysia, Sweden, Australia

P-184
The use of an artificial ligament for the reconstruction of the ACL. Mid-term results (4-7 years).
Dermon A., Petrou G., Petrou H., Chardouvelis C., Tilkeridis C., Kazakos C., Greece

P-185
Mini-invasive medial plasty and ACL reconstruction in combined antero-medial knee instability
Canata G.L., Italy

P-186
Navigated translation and rotation measurements of the knee
Meller R., Kendoff D., Krettek C., Marquard S., Citak M., Geerling J., Hüfner T., Germany

P-187
ACL reconstruction using four strands hamstrings graft & self-rehabilitation programme
Martínez-Delgado F., Malillos-Torán M., Caballero-Burbano M.J., Benedit-Alcaine J.A., Cuenca-Espierrez J., Spain
**Posters**

**P-188**
ACL reconstruction in skeletally immature individuals: an interdisciplinary study in a sheep model
*Meller R., Schiborra F., Fritz F., Thoben S., Dreymann B., Witte F., Hurschler C., Kendoff D., Zeichen J., Krettek C., Germany*

**P-189**
Arthroscopic double-bundle, with two tibial tunnels, anatomic reconstruction of the ACL with hamstrings. Early results of 31 operated knees
*Papachristou G., Plessas S., Sourlas I., Nikolaou V., Pneumaticos S., Greece*

**P-190**
A comparative cadaveric study for the correct placement of the femoral tunnel in an ACL reconstruction
*Motsis E., Gavriilidis J., Staflas K., Xenakis T., Greece*

**P-191**
Anatomic double-bundle vs single bundle acl reconstruction. A comparative biomechanical study in a rabbit model
*Nikolaou V., Sourlas I., Efstathopoulos N., Plessas S., Chronopoulos E., Lazarettos I., Papachristou G., Greece*

**P-192**
Prosthetic ligament reconstruction in patient after 60.3 years follow up study.
*Milenin O., Russian Federation*

**P-193**
In vivo biocompatibility, degradation & osseous integration of poly-L-lactide based tricalciumphosphate- & hydroxyapatite-composite interference screws
*Dahne M., Schlichting K., Retzlaff D., Caborn D., Weiler A., Germany, United States of America*

**P-194**
The influence of flexion on k-wire placement with a 7 mm offset drill guide to create a femoral tunnel during ACL reconstruction
*Behrendt S., Petrovic P., Germany*

**P-195**
Comparison of two-bundle acl reconstruction using hamstring tendons and one bundle reconstruction using hamstring tendons; results with 18 months follow-up
*Djian P., Christel P., Bellier G., France*
P-196
Variability of intraarticular landmarks used in computer-assisted ACL reconstruction
Shafizadeh S., Paffrath T., Hagn U., Grote S., Höher J., Koebke J., Bouillon B., Germany

P-197
Treatment of dislocated knees. Four years follow-up
Plessas S., Nikolaou V., Kalliakmanis A., Sourlas J., Savvidou C., Papachristou G., Greece

P-198
Inside-out versus outside-in placement of the femoral tunnel for ACL reconstruction - Does it really matter?
Fink C., Tecklenburg K., Hoser C., Burkart P., Austria, Switzerland

P-199
Pressure contact at the interface between bone plug and femoral tunnel wall in ACL reconstruction with B-PT-B: Ex vivo biomechanical study of transcondylar and interference screw fixation
Camillieri G., Labianca L., Monaco E., Ferretti M., Ferretti A., Italy

P-200
Primary ACL, PCL and multiligamentous reconstruction and ACL revisions using deep frozen allografts
Dec J., Gazdzik T.S., Jędrysik M., Poland

P-201
Rehabilitation and outcome after ACL reconstruction
Havlas V., Tré T., Mašát P., Handl M., Dylevský I., Czech Republic

P-202
The roles of the two functional bundles of the ACL in stabilising the knee
Cuomo P., Boddu Siva Rama R., Bull A., Amis A., United Kingdom

P-203
ACL injury and rehabilitation: Is the female athlete different?
Kaplan Y., Israel

P-204
Can non-contact knee injuries be prevented in sport?
Kaplan Y., Israel
Posters

PCL

P-205
Retention versus sacrifice of the posterior cruciate ligament in total knee replacement. A systematic literature review within the Cochrane framework
*Jacobs W.C., Clement D., Wymenga A.*, Netherlands, United Kingdom

P-206
Implant-free posterior cruciate ligament reconstruction using press-fit technique with periosteum-enveloping hamstrings tendon autograft (technique note)
*Chuang T.-Y., Ho W.-P., Chen C.-H.*, Taiwan

P-207
Classification of PCL and combined posterior injuries based on stress-radiographs
*Garavaglia G., Dubois-Ferrière V., Lubbeke A., Fasel J., Fritschy D., Menetrey J.*, Switzerland

P-208
Stress radiography: a comparison of five different techniques to measure Posterior cruciate ligament insufficiency
*Jung T., Reinhardt C., Scheffler S., Kääb M., Weiler A.*, Germany

P-209
Magnetic resonance imaging and arthroscopic appearances of the meniscofemoral ligaments: a correlative study
*Gupte C., Gupte C., Lim A., Thomas R., Bull A., Amis A.*, United Kingdom

P-210
Clinical outcomes after arthroscopic double bundle PCL reconstruction, in a DGH
*Davidson N., Davidson N.*, United Kingdom

P-211
Anatomical reconstruction of posterolateral corner of the knee using split achilles allograft
*Chang C.B., Han H.S., Seong S.C., Lee M.C., Lee S.*, Republic of Korea

P-212
Analysis of knee rotation and the rotational laxiometer
*Beacon J.*, United Kingdom

P-213
Surgical results of double-bundled quadriceps inlay technique for PCL reconstruction
*Chuang T.-Y., Ho W.-P., Chen C.-H.*, Taiwan
P-214
Inlay-technique in PCL-revision reconstruction
Benedetto K.P., Gohm A., Osti M., Austria

P-215
‘Functional length’ measurement of PCL 2 bundles from knee extension to deep flexion using volume-based registration on MR Images
Iwahashi T., Nakata K., Sugamoto K., Nakamura N., Yamada Y., Yoshikawa H., Shino K., Japan

P-216
Kinematics of posterior cruciate ligament (PCL) and postero-lateral corner (PLC) deficient human cadaver knee reconstructed with single bundle PCL and combined single bundle PCL and PLC reconstructions.
Apsingi S., Nguyen T., Bull A.M., Deehan D., Unwin A., Amis A., United Kingdom

P-217
Surgical treatment of posterolateral corner injuries of the knee in a series of combined and isolated lesions.
Zorzi C., Madonna V., Cortese F., Condello V., Italy

P-218
Double bundle PCL reconstruction; a prospective study.
Davidson N., Rathinam M., Hatcher A., McNicholas M.J., United Kingdom

P-219
Kinematics of posterior cruciate ligament (PCL) and postero-lateral corner (PLC) deficient human cadaver knee reconstructed with two different techniques of PLC reconstruction.
Nguyen T., Apsingi S., Bull A.M., Unwin A., Deehan D., Amis A., Bickerstaff D., Australia, United Kingdom

P-220
Combined reconstruction of chronic posterior cruciate ligament and posterolateral corner deficiency: A 2-9 year follow up study
Khanduja V., Somayaji H.S., Utukuri M., Dowd G.S.E., United Kingdom

P-221
Combined reconstruction for chronic anterior and posterior cruciate ligament rupture: A 2-9 year follow up study
Khanduja V., Somjayaji H.S., Harnett P., Dowd G.S.E., United Kingdom
**Posters**

**MENISCUS**

**P-222**
A biomechanical comparison of the Mitek RapidLoc, Mitek Meniscal repair system, clearfix screws and vertical PDS and Ti-Cron sutures.
Thiryayi W., Naqui Z., Hopgood P., Ryan W., United Kingdom

**P-223**
The value of a postmeniscectomy MRI: „deception or direction?“
D’Hooghe P.P., Vandekerckhove B., Derijcke J., Belgium

**P-224**
Radial tears of the medial meniscus: MRI correlated with arthroscopy
Nha K., Kim D., Hong S., United States of America, Republic of Korea

**P-225**
Accuracy of SPECT bone scintigraphy in diagnosis of meniscal tears
Tahmasebi M.-N., Saghari M., Moslehi M., Gholamrezanezhad A., Islamic Republic Of Iran

**P-226**
The reproducibility of radiological anterior and posterior horn determination in lateral meniscus transplantation planning
Wilmes P., Seil R., Pape D., Kohn D., Germany, Luxembourg

**P-227**
The relationship between osteochondritis dissecans (OCD) of the lateral femoral condyle and lateral menisci types
Deie M., Ochi M., Adachi N., Kawasaki K., Sumen Y., Japan

**P-228**
Treatment of incomplete meniscal lesion in athletes
Börner C.E., Rühmann O., Schmolke S., Bohnsack M., Germany

**P-230**
Biomechanical parameters after medial meniscectomy
Knoll Z., Illyes A., Magyari Z., Kiss R.M., Hungary

**P-231**
Ring-shaped lateral meniscus (an incidentally arthroscopic finding)
Özer H., Selek H., Turanlı S., Turkey
P-232
Freezing causes ultrastructural changes in the menisci collagen net. Preliminary results.
Gelber P.E., Monllau J.C., Torres A., Matamalas A., Alameda F., Lloreta J., Cáceres E., Spain

P-233
Magnetic resonance imaging identification of the anterior intermeniscal ligament

P-234
Clinical findings of the complete radial rupture of the meniscal root ligament of the medial meniscus posterior horn - preliminary report -
Kim Y.-M., Republic of Korea

P-235
All-in technique: An alternative in treatment of meniscal tears.
Mihov K., Mazneikov H., Muradov A., Zagarov M., Dimitrov N., Hayvazov I., Bulgaria

P-236
Lateral discoid meniscal tear and cartilage damage in patients under 40 years old
Bin S.-I., Republic of Korea

P-237
The effect of combined axial and torsional knee loading on meniscus strain
Kessler O., Augustin T., Lacatusu E., Bottlang M., Switzerland, United States of America

P-238
Meniscus repair using scaffold-free self-organized 3D Synthetic Tissue (3DST)
Yonetani Y., Tateishi K., Andou W., Nakata K., Hashimoto J., Yoshikawa H., Shino K., Nakamura N., Japan

P-239
Meniscus cross-sections exhibit characteristic inhomogeneous strain distributions under axial compression
Kessler O., Augustin T., Sommers M., Bottlang M., Switzerland, United States of America

P-240
Pullout repair of the posterior horn injury of the lateral meniscus
Hamada M., Shino K., Miyama T., Tsutsumi S., Japan
P-241
An all-inside suture technique for use with Collagen Meniscus Implants (CMI)
Holsten D.G., Rodkey W.G., Germany, United States of America

P-242
Tissue gain after placement Of Collagen Meniscus Implants (CMI) Following Partial Meniscectomy
Rodkey W., Steadman J.R., Briggs K.K., United States of America

P-243
Development and use of the “Tegner Index” to assess effectiveness of arthroscopic treatment of the knee meniscus on return to activity
Rodkey W.G., Steadman J.R., Briggs K.K., United States of America

P-244
Meniscal repairs prospective outcome study: Isolated and in combination with other knee ligament procedures.
Pengas I., Banks J., Hatcher A., McNicholas M., United Kingdom

P-245
Elongation and structural properties of meniscus repair using suture techniques in distraction and shear force scenarios
Zantop T., Weimann A., Eggers A.K., Raschke M., Petersen W., Germany

P-246
Spontaneous haemarthrosis of the knee in elderly: Etiology and treatment
Ogino S., Sasho T., Nakagawa K., Murata R., Wada Y., Moriya H., Japan

P-247
Bizzini M., Gorelick M., Jeker M., de Bruin E., Munzinger U., Switzerland

P-248
Platelet-rich plasma with biodegradable gelatin hydrogel promotes rabbit meniscal tissue regeneration.
Ishida K., Kuroda R., Tabata Y., Hokugo A., Sasaki K., Miwa M., Sakai Y., Kurosaka M., Japan

P-249
Meniscal ruptures repaired using Biofix meniscus arrow
Kise N.J., Heir S., Ekeland A., Norway
P-250
Allograft meniscus transplantation without bone blocks. Two to four year follow-up.
Monllau J., Puig L., Hinarejos P., Tey M., Pelfort X., Spain

P-251
Oxidative stress reaction of the meniscus in Bach-1 deficient mice: Possibility of the prevention of meniscal degeneration
Ochiai S., Mizuno T., Deie M., Igarashi K., Hamada Y., Ochi M., Japan

P-252
Meniscal replacement in Europe - a questionnaire based survey
Aagaard H., Christiansen S.E., Krogsgaard M.R., Albrecht-Olsen P., Denmark

P-253
Horizontal meniscal tears in young competitive swimmers
Malillos-Torán M., Martínez-Delgado F., Caballero-Burbano M.J., Larrodé-Pastor M., Cuenca-Espierrez J., Spain

P-254
Arthroscopic all inside meniscus repair
Plessas s., Kalliakmanis A., Nikolaou V., Xipnitos F., Pilichou A., Efstathopoulos N., Greece

P-255
First experience with meniscus allotransplantation in the Czech Republic
Pasa L., Pokorny V., Kalandra S., Melichar I., Czech Republic

CARTILAGE

P-256
Indication and results of using herbert screw in treatment of osteochondritis dissecans of the knee joint.
Gouran Savadkoohi D., Zehtab M.J., Karami M., Ahangar A., Islamic Republic Of Iran

P-257
Long term results after arthroscopic management of tibial plateau fractures
Rousseau M.-A., Jouve F., Graveleau N., Biette G., Hardy P., France

P-258
A prospective, double-blind, randomized study in patients with gonarthrosis treated with pulsed signal therapy (PST)
Markoll R., Da Silva Ferreira D., Martin H., Toohil T., Germany
P-259
Isolated cartilage lesions: choosing the treatment – a review of 5,233 arthroscopies.
Widuchowski W., Faltus R., Widuchowski J., Poland

P-260
Tissue engineering approach for the management of patellofemoral full thickness chondral defects: Treatment outcome at 3 years
Gobbi A., Kon E., Berruto M., Francisco R., Filardo G., Italy

P-261
Critical factors influencing tissue effect of thermal chondroplasty are power and probe design.
Mitchell M., Kidd D., Meyer M., Lorang D., Dupree D., Wright E.J., Lubowitz J., United States of America

P-262
Does thermal energy effectively smooth cartilage?
Lubowitz J., Kohler K., Guttmann D., United States of America

P-263
Primary stability of single and multiple osteochondral grafts used in MosaicPlasty
Kordas G., Hangody L., Hungary

P-264
A suggestive new mechanism of the tangential osteochondral fracture in the knee joint -report of two cases-
Uchida H., Minezaki T., Takamizawa M., Mochida J., Japan

P-265
Lysholm score and tegner activity level in normal knees
Briggs K., Hines S., Rodkey W., Steadman J.R., United States of America

P-266
Clinical results and technical aspect of arthroscopic loose body removal in posterior compartment of the knee joint.
Ahn J.H., Yoo J.C., Lee S.H., Republic Of Korea

P-267
Chronological changes of the cartilage in the recipient sites and their kissing area from the second-look imaging
Nakagawa Y., Kobayashi M., Suzuki T., Kuroki H., Okamoto Y., Nakamura T., Japan
P-268  The microfracture technique for the treatment of knee chondral lesion  
Iosifidis M., Antoniou C., Sariggiannidis P., Tsarouhas A., Giannoulis G., Traios S.,  
Giantsis G., Greece

P-269  Osteochondral autogenous transfer (mosaicplasty) for steroid-induced osteonecrosis of the knee joint  
Kobayashi M., Nakagawa Y., Okamoto Y., Nakamura T., Japan

P-270  Results of surgical treatment of osteochondritis dissecans of the knee after 19 years follow-up  
Hernandez-Hermoso J., Moratona A., Morales J., Spain

P-271  Pathology of the knee cartilage in children  
Pligina E., Ezelskaya L., Russian Federation

P-272  AO hook fixation for osteochondritis dissecans lesions of the knee  
Pengas I., Arbuthnot J., McNicholas M., United Kingdom

P-273  Lateral femoral condyle Hoffa fracture – case report  
Fleaca R., Roman M., Baier I., Romania

P-274  Recurrent synovial chondromatosis of the knee joint without intrasynovial disease: a case report  
Kashiwa K., Yamaguchi M., Yagi M., Futani H., Fukunishi S., Tsumori Y., Yoshiya S., Japan

P-275  Functional and radiographic results of surgical treatment of juvenile Osteochondritis Dissecans (OCD) of the knee  
Engelleiter K., Schneider S., ZahnLEn-Hinguranage A., Schmitt H., Germany

P-276  Arthroscopic debridement for medial-type osteoarthritic knee: 8 years follow-up  
Iwasaki J., Sasho T., Tahara M., Wada Y., Moriya H., Japan
Posters

P-277
Patient knee function and activity level 5 year post-arthroscopy compared to normal values
Briggs K., Hines S., Rodkey W., Steadman J.R., United States of America

P-278
Quantitative evaluation of experimental osteoarthritis using ultrasound
Yasura K., Nakagawa Y., Mori K., Kobayashi M., Kuroki H., Okamoto Y., Nakamura T., Japan

P-279
Treatment of patellar chondral defects with autologous chondrocyte implantation
Valis P., Messner P., Repko M., Chaloupka R., Krbec M., Adler J., Czech Republic

P-280
Radioactive synovectomy of the knee joint in haemophiliac patients
Aydogdu S., Kavakli K., Sur H., Balkan C., Yilmaz D., Turkey

P-281
Midterm results after autologuos transfer of the posterior femoral condyle (MegaOATS)
Braun S., Minzlaff P., Wörtler K., Imhoff A.B., Germany

P-282
The cartilage autograft transplantation of the knee in childhood
Handl M., Trc T., Stastny E., Hanus M., Poulova M., Adler J., Neuwirth J., Czech Republic

P-283
Autologous chondrocyte transplantation for chondral lesion of distal femur
Seo S.S., Ha D.J., Kim K.W., Yang Y.I., Republic of Korea

P-284
Compartmental variation in temperature during arthroscopic diathermy use

P-285
Arthroscopy in treating tibial plateau fractures. Is it worth the time spent?
Fortis A., Vasilakakos T., Dimas A., Kiritsis S., Pangiotopoulos E., Greece
P-286
Arthroscopic treatment of the chondral defects of the knee joint – three years of clinical review
Bataga T., Nagy O., Melinte R., Dobru V., Tomoiaga L., Romania

P-287
Osteochondral allografts in the treatment of osteonecrosis of the knee
Benedi J.A., Spain

PATELLOFEMORAL

P-288
To resurface the patella or not: Survey of expert orthopaedic surgeons
Jacobs W., Nizard R., Khan R.J., Wymenga A., Netherlands, France, United Kingdom

P-289
Trochleaplasty for patellar instability. Satisfactory 4 year results in patients with dysplasia of the trochlea
Koëter S., van Kampen A., van Loon C., Netherlands

P-290
Giant-cell tumor of the patella: A case report
Mayr H.O., Nerlich A., Hein W., Germany

P-291
Arthroscopic patellar stabilization with suture anchor for acute patellar dislocation
Horaguchi T., Fukushima K., Negishi S., Ryu K., Okano T., Saito A., Japan

P-292
Preliminary results of ACI with ChondroCelect in the patellofemoral joint.
Vanlauwe J., Bellemans J., Luyten F., Belgium

P-293
Do subjects with Patellofemoral Pain Syndrome have abnormal segmental rotation of the hip?
Kedroff L., Newham D., Amis A., United Kingdom

P-294
Unstable bipartite patella: Arthroscopy and thumb pressure test is more reliable investigation as compared to bone scintigraphy.
Bhatti A., Iqbal M.J., United Kingdom
P-295
A detailed study of the gross anatomy and histological composition of the tibial insertion of the patella tendon
Whitehead T., Poitras P., Jalili A., Alhoulei A., Uhthoff H., Dervin G., Canada

P-296
Magnetic resonance imaging of the patella: a comparison of patellar morphology in normal and dysplastic knees
Barnett A., Gardner R., Wakeley C., Eldridge J., United Kingdom

P-297
Reproducibility of measurement techniques for patella position on axial radiographs after total knee arthroplasty.
Beumers M., Heesterbeek P.J., Jacobs W.C., Havinga M., Wymenga A., Netherlands

P-298
Histopathology of skin incisions used in knee arthroplasty
Porteous A., Weale A., Hassaballa M., Newman J., Ghaly A., United Kingdom

P-299
Minimally invasive arthroscopic assisted patellar stabilisation
Saleemi A., Iqbal M.J., United Kingdom

P-300
Subcutaneous lateral release and medial reefing for the traumatic recurrent patellar dislocation
Choi C.H., Kim H.S., Oh K.S., Republic of Korea

P-301
Arthroscopic suturing of the medial patello-femoral ligament in children after acute, first episode of patella dislocation
Drwiega M., Smigielski R., Zdanowicz U., Chomicki-Bindas P., Poland

P-302
Osteochondral fracture of the weight-bearing portion of the mid-lateral femoral condyle after patella dislocation– fixation with subcondral K wires – case presentation
Roman M., Fleaca R., Baier I., Romania

P-303
Patellar instability: arthroscopic MPFL plasty
Canata G.L., Italy
P-304
Medial patellofemoral ligament reconstruction with semitendinosus - Re-routing for the treatment of traumatic patellar dislocation
Panagopoulos A., van Niekerk L., Triantafillopoulos I., Kumar V., United Kingdom

P-305
Biomechanical and kinematic consequences of an infrapatellar fat pad edema on the knee
Bohnsack M., Klages P., Hurschler C., Wilharm A., Ostermeier S., Halcour A., Rühmann O., Wirth C.J., Germany

OSTEOTOMY

P-306
Arthroscopy as a method of diagnostics and treatment of patients with degenerative and dystrophic diseases of large joints
Karasiova T., Russian Federation

P-307
Maintenance of correction after opening wedge high tibial osteotomy using a monoaxial dynamic external fixator: A 2- to 7-year follow-up
Mondanelli N., Aglietti P., Cuomo P., Russo E., Lup D., De Luca L., Italy

P-308
High tibial osteotomy using a new external fixator for osteoarthritis of the knee
Yamagami N., Uchio Y., Iwasa J., Ochi M., Japan

TOTAL JOINT REPLACEMENT

P-309
Assessment the effect size and type of prosthesis fixation on stress distribution in the femoral part of knee joint using finite element method
Gouran Savadkoohi D., Madani M., Kargarnovin M.H., Gouran Savadkoohi M., Islamic Republic Of Iran

P-310
Range of motion after total knee arthroplasty: predictive factors, Department of Orthopedic Surgery Sina Hospital, Tehran Medical Science University, 2002-2004
Gouran Savadkoohi D., Gol Bakhsh M., Karami M., Saadat M., Zehtab M.J., Islamic Republic Of Iran
**P-311**
One and two-stage revision surgery in infected total knee arthroplasty.
*Soudry M., Greental A., Nierenberg G., Falah M., Israel*

**P-312**
Early failure in total knee arthroplasty: analysis of causes, results of complete revision
*Rousseau M.-A., Catonné Y., Lazennec J.-Y., Saillant G., France*

**P-313**
Skin sensation after knee arthroplasty
*Hassaballa M., Porteous A., Newman J., United Kingdom*

**P-314**
What knee x-rays do we need? A postal survey of members of British Orthopaedic Association
*Bhatnagar S., Bhatnagar P., Darrah C., Glasgow M., United Kingdom*

**P-315**
Total knee arthroplasty following high tibial osteotomy.
*Ripanti S., Campi S., Marin S., Mura P., Campi A., Italy*

**P-316**
Unicondylar versus computer assisted total knee replacement: a matched-paired analysis
*Confalonieri N., Manzotti A., Italy*

**P-317**
Mobile bearing concept does not improve functional outcome as measured by gait analysis. A randomised study of 95 primary total knee arthroplasties
*Kleijn L., Meijers W., Bloemsaat - Minekus J., Grimm B., Kester A., Heyligers I., Netherlands*

**P-318**
Intra-operative registration of the knee kinematics by a navigation system. A pilot study.
*Jenny J.-Y., Boeri C., France*

**P-319**
Mini-invasive implantation of a unicompartmental knee prosthesis might decrease the accuracy despite the use of a navigation system.
*Jenny J.-Y., Boeri C., France*
P-320
Mini-invasive implantation of a unicompartmental knee prosthesis. Towards a new instruments philosophy?
Jenny J.-Y., Boeri C., France

P-321
Medial gastrocnemius rotational flap for treatment of chronic knee infection after knee arthroplasty
Schunck J., Jerosch J., Peinado R., Germany

P-322
Factors affecting postoperative function after primary total knee arthroplasty. A randomized trial following 95 patients up to two years, using gait analysis
Kleijn L., Meijers W., Grimm B., Kester A., Heyligers I., Netherlands

P-323
Perioperative intravenous iron, with or without erythropoietin, plus restrictive transfusion protocol reduce the need for allogeneic blood after knee replacement surgery

P-324
The patellar circumferential selective denervation and kinematics patterns in Dual Articular or AGC2000 total knee replacement
Furlan E., Moro S., Baldovin M., Melanotte P., Italy

P-325
Total knee arthroplasty: Good agreement of clinical severity scores between patients and consultants
Ebinesan A., Sarai B., Walley G., Bridgman S., Maffulli N., United Kingdom

P-326
Preformed articulating knee spacer in two-stage revision for the infected knee total knee arthroplasty
Castelli C., Ferrari R., Italy

P-327
Effect of intra-articular steroids on deep infections following total knee arthroplasty
Joshy S., Singh B.K., Boban T., Gogi N., Modi A., United Kingdom
P-328
For how long does function improve after unilateral knee replacement?
v Van Hemert W., Kleijn L., Meijers W., Grimm B., Kester A., Heyligers I., Netherlands

P-329
The high flex prosthesis: early results and practical considerations
Schiavone Panni A., Tartarone M., Bruno G., Gallo M., Santaiti D., Patricola A.A., Italy

P-330
The use of wound dressings in total knee arthroplasty – a study on skin blistering in the post-operative period.
Vasireddy A., Jayakumar P., Bliss J., Davies A., United Kingdom

P-331
Surgical site superficial MRSA infection after knee arthroplasty – any role of silver dressing?
Bhattacharyya M., Gerber B., Bradley H., United Kingdom

P-332
High-flexion total knee arthroplasty: early results - a comparison study of minimum 1 year follow-up -
Bin S.-I., Republic of Korea

P-333
Arthroscopic capsulectomy for knee stiffness following infected total knee arthroplasty: A case report
Dhotare S., Kamineni S., Langstaff R., United Kingdom

P-334
Computer assisted total knee arthroplasty in a healed intertrochanteric fracture and ipsilateral supracondylar femoral fracture - a case report of 3 years follow up result.
Bhattacharyya M., Gerber B., Bradley H., United Kingdom

P-335
Computer assited total knee arthroplasty in patients with femoral shaft deformities
Hinarejos P., Puig L., Martinez-Diaz S., Ballester J., Caceres E., Spain

P-336
References for knee joint line identification
Hinarejos P., Montserrat F., Monllau J.C., Gines A., Marin M., Caceres E., Spain
P-337
Decision femoral rotational alignment using wedged spacer block during minimal incision total knee arthroplasty
Yamada H., Takagi Y., Misaki T., Kitaoka K., Japan

P-338
Successful mid-term results of the Oxford phase III - unicompartmental knee replacement in younger patients - 2 – 6 year follow-up
Kort N., van Raay J., Netherlands

P-339
The use of CT in pre operative assessment of failed TKR prior to revision surgery
Norris M., Ather M., Chauhan S., United Kingdom

P-340
Modular endoprothesis in the treatment of knee osteoarthritis with stress fracture of the proximal tibia
Haspl M., Jelic M., Smoljanovic T., Pecina M., Croatia

P-341
A computer assisted surgical technique for total knee arthroplasty revision
Marcacci M., Iacono F., Zaffagnini S., Di Martino A., Lo Presti M., Neri M.P., Nofrini L., Italy

P-342
Results of TKA revision with TC3 prosthesis

P-343
Does total knee joint replacement with the soft tissue balancing surgical technique guarantee the exact reconstruction of the natural joint line
Wyss T., Schuster A., Wehrli U., Switzerland

P-344
Should the flexion and extension gaps in total knee arthroplasty be equal and rectangular?
Kuster M.S., Jeффcote B.O., Nicholls R.L., Switzerland, Australia

P-345
Tibiofemoral force during total knee arthroplasty flexion - a biomechanical study
Jeффcote B.O., Nicholls R.L., Kuster M.S., Switzerland, Australia
Posters

P-346
Repeatability of the Intelligent Device for Energy Expenditure and Activity (IDEEA) during walking-gait analysis assessment
Gorelick M., Bizzini M., Munzinger U., Switzerland

P-347
Minimally invasive unicompartmental knee replacement using a calibrated ligament tensor
Hoffmann F., Schiller M., Friebel H., Germany

P-348
An independent study of the 5 year results of the Oxford Phase 3 unicompartmental arthroplasty for anteromedial osteoarthritis of the knee by minimally invasive technique.
Lisowski L.A., Bloemsat-Minekus J., Bouwhuis M.G., Lisowski A.E., Netherlands

P-349
Home exercise program compliance and quadriceps strength following total knee arthroplasty
Hingston S., Petterson S., Snyder-Mackler L., United States of America

P-350
Kinematic study of the patella: Comparison between healthy knee and prosthesied knee.
Saragaglia D., France

P-351
Results of 22 computer assisted total knee arthroplasties for genu valgum deformity
Saragaglia D., Gorduza D., France

P-352
Predonation of autologous blood can be safely discouraged in primary knee replacement patients
Lopez-Soques M., Puig L, Hinarejos P., Garcia-Alvarez J., Monllau J.C., Spain

P-353
Unicompartmental knee arthroplasty in the treatment of unicompartmental knee arthritis. Short-term results
Chouliaras V., Sioros V., Tokis A., Beris A., Georgoulis A., Greece

P-354
Kneeling ability in non arthritic patients
Porteous A., Hassaballa M., Perry M., Learmonth I., United Kingdom
**P-355**
Force plate analysis of contact areas and pressure of kneeling positions after different knee arthroplasty procedures
*Bevan D., Poarteous A., Hassaballa M., United Kingdom*

**P-356**
Computer navigated revision total knee arthroplasty
*Norris M., Krammer-Herman E., Chauhan S., United Kingdom*

**P-357**
Tension on the anterior and posterior cruciate ligament in daily life
*Kobayashi T., Toyoda T., Kaneko D., Oohashi M., Murakami H., Seedhom B., Fujikawa K., Nemoto K., Japan, United Kingdom*

**P-358**
evaluation of bone cutting errors of the total knee arthroplasty with computer-assisted navigation
*Seo S.S., Son C.-M., Ha D.J., Kim Y.B., Republic of Korea*

**P-359**
Outcome of total knee arthroplasties infected by methicillin resistant staphylococcus
*Joshy S., Gogi N., Mahalae A., Singh B.K., United Kingdom*

**P-360**
Bovine bone substitutes in revision knee arthroplasty - early results
*Lakdawala A., El-Zebdeh M., Gadel Rab R., Ireland J., United Kingdom*

**P-361**
Accuracy of mini-incision total knee replacement – 2 years and 250 cases
*Spalding T., Griffin D., Dalton P., McGee A., United Kingdom*

**P-362**
Re-revision total knee arthroplasty after septic failure of TKA
*Baier I., Roman M., Fleaca R., Stanciu T., Sapon C., Romania*

**P-363**
Popliteal artery – tibial plateau relationship before and after total knee replacement. A prospective ultrasound study
*Eriksson K., Singh C., Bartlett J., Sweden, Australia*
**P-364**
Unicompartmental knee replacement with the Repicci II® unicompartmental knee system in minimal invasive technique: A prospective study
*Driessen A., Kammerer K.P., Becher C., Müller N., Kliem S., Springer J., Thermann H., Germany*

**P-365**
The activity of rheumatoid arthritis after total knee arthroplasty
*Miyamoto S., Sugihara T., Shimizu K., Fujiya H., Naito T., Kidokoro K., Onuma H., Kobayashi T., Aoki H., Beppu M., Japan*

**P-366**
Safety of antibiotic loaded cement in unicompartmental knee replacement: two year follow-up
*Randelli P., D’Anna A., Randelli F., Italy*

**P-367**
Prediction of wound healing after knee arthroplasty: skin oxygen tension measurement is more accurate than duplex ultrasonography
*Leach W., Martin D., Patil S., Byrne D., United Kingdom*

**P-368**
An experimental study about soft tissue release used in TKA-surgery by using a hydraulic tensioner in normal human cadaver knees
*Wyss T., Wehrli U., Fankhauser C., Switzerland*

**P-369**
Five years follow up of TKR augmented with tibial metal blocks
*Caballero-Burbano M.J., Martinez-Delgado F., Lanz-Ochoa A., Pérez-Serrano L., Herrera-Rodriguez A., Spain*

**P-370**
Tibial anatomy and rotational alignment in total knee arthroplasty
*Baldini A., Deluca L., Vincenzi S., Aglietti P., Giannini S., Italy*

**P-371**
Haemophilic arthropathy and total knee arthroplasty
*Benedi J.A., Martinez-Delgado F., Cuenca J., Herrera A., Spain*
P-372
Does ligament balancing technique affect kinematics in rotating platform knee arthroplasties?
Jayasekera N., Kashif F., Fennema P., Simms M., Gamada K., Banks S., United Kingdom, Switzerland, United States of America

LEG/ANKLE

P-373
Endoscopic resection of an symptomatic os trigonum
Jerosch J., Fadel M., Germany

P-374
The arthroscopic treatment of chondral lesions in the ankle: An histological study
Furlan E., Moro S., Baldovin M., Melanotte P., Italy

P-375
Arthroscopic tuberculoplasty in posterior ankle impingement syndrome
Tey M., Monllau J.C., Centenera J.M., Pelfort X., Spain

P-376
Stress fractures of the medial malleolus in athletes
Hirano A., Fukubayashi T., Yanai T., Nakayama T., Aoto K., Japan

P-377
Does tennis provoke pigmented VilloNodular synovitis? A review study of 5 patients
Konings P., van Arkel E.R., Netherlands

P-378
Isolated anterior dislocation of the proximal tibiofibular joint
Saleemi A., Saleemi A., Iqbal M.J., Goswami S.G., United Kingdom

P-379
Results of the operative treatment of the posterior impingement of the ankle joint
Mioduszewski A., Wróbel M., Maziarz I., Poland

P-380
Results of the operative treatment of the ankle instability
Mioduszewski A., Wróbel M., Maziarz I., Poland
P-381
Autologeous chondrocyte transplantation after formerly failed operative treatment for osteochondritis dissecans tali.
Becher C., Diamantopoulos A., Lorbach O., Thermann H., Germany

P-382
Treatment for osteochondral lesion of the talus in competitive athletes
Fukuda A., Ishibashi Y., Tsuda E., Tsukada H., Toh S., Japan

P-383
Treatment of complex tibia plateau fractures using the LISS-PLT
Genelin F., Kollersbeck C., Walcher T., Koenig M., Gradl G., Austria

P-384
Arthroscopic treatment of anterior bone spurs causing anterior impingement syndrome: evaluation of early outcomes
Bozkurt M., Mahmut U., Demirkale I., Dogan M., Ocguder A., Tosun N., Turkey

P-385
Morphologic variations of lateral complex of the human ankle joint: a cadaveric study
Bozkurt M., Demirkale I., Ugurlu M., Dogan M., Tosun N., Turkey

P-386
Investigation of relative motion of the fibula with respect to the tibia
Bozkurt M., Tonuk E., Elhan A., Tekdemir Y., Doral M.N., Turkey

P-387
Mini invasive day surgery CFL plasty in ankle instability
Canata G.L., Italy

P-388
Correlation of clinical, radiological and arthroscopic findings in post-traumatic instability of the ankle joint: the critical role of the calcaneofibular ligament
van Niekerk L., Panagopoulos A., Triantafilopoulos I., Fitsgerald S., Kumar V., United Kingdom

P-389
Operative arthroscopy of the ankle - fifteen years’ experience
Asparouhov A., Valeshkov J., Bulgaria
P-390
Functional treatment of acute ankle sprains.
Kominiak P., Ferenc M., Poland

P-391
The result of cancellous lag screw fixation for split-compression fractures of lateral tibial condyle
Shoda E., Ohuchi K., Maruyama S., Ichimura K., Tomita Y., Japan

FOOT

P-392
Mortise anatomy and ankle sprain
Miozzari H., Fritschy D., Switzerland

P-393
The Chevron osteotomy – are we cutting at the roots?
George Malal J.J., Shaw-Dunn J., Kumar C.S., United Kingdom

P-394
Intramedullary malleolar screw fixation of jones fractures in athletes: long-term follow-up and computerized pedobarographic analysis
Pecina M., Bojanic I., Smoljanovic T., Ivkovic A., Jelic M., Croatia

P-395
Clinical and radiological assessment of surgical procedures for hallux valgus deformity: Comparison of four methods
Komatsu F., Takao M., Oae K., Uchio Y., Ochi M., Japan

P-396
Treatment by cannulated screw for Jones fracture
Usami N., Hiraishi E., Waseda A., Japan

P-397
Day surgery endoscopic calcaneoplasty in local anaesthesia
Canata G.L., Italy

MUSCLE

P-398
Acute compartment syndrome of upper arm
Rafiq I., Anderson D., United Kingdom
P-399
Normalised knee peak torque for differences in body size in 12/13 year old children
Deighan M., Nevill A., Maffulli N., Gleeson N., Cheng C., United Kingdom, Malaysia

P-400
Carosine, associated metabolites and enzyme activities of human skeletal muscle fibres from elderly subjects with osteoarthritis and young moderately active subjects.
Tallon M., Harris R., Maffulli N., Tarnopolsky M., United Kingdom, Canada

P-401
Shakuyaku, Japanese herbal medicine prevents occurrences of superoxides and decreases muscle damages in rat delayed onset muscle soreness model
Tsuyama T., Kitaoka K., Tomita K., Shima Y., Yoshiki Y., Japan

P-402
Viscoelastic properties of the lower limb musculature following ACL reconstruction
Hohmann E., Bryant A., Australia

P-403
Prevention of ACL injuries in women by prescribing the pill
Hohmann E., Bryant A., Australia

P-404
Methods and outcomes of the operative treatment of adductor muscle lesion in professional soccer players
Smigielski R., Drwiega M., Poland

P-405
To detach or not the long head of the biceps tendon after tenodesis? Outcome analysis at 4 year follow up of two different techniques
Vadala G., Italy

TENDON

P-406
Does freezing influence the tensile strength of tendon allografts: a biomechanical study
Myncke J., Vanlauwe J., Bellemans J., Labey L., Lismont D., Fabry G., Belgium

P-407
No difference in outcome of conservative management, percutaneous or open repair of acute achilles tendon rupture
Miller D., Waterston S., Reaper J., Barrass V., Maffulli N., United Kingdom
P-408  
Calcific insertional achilles tendinopathy: Reattachment with bone anchors  
Maffulli N., Testa V., Capasso G., Sullo A., United Kingdom, Italy

P-409  
Free gracilis tendon graft in neglected tears of the achilles tendon  
Maffulli N., Leadbetter W., United Kingdom, United States of America

P-410  
Conservative, open or percutaneous repair for acute rupture of the achilles tendon  
Sarai B., Walley G., McBride D., Miller D., Maffulli N., United Kingdom

P-411  
Surgery for chronic achilles tendinopathy yields worse results in sedentary patients  
Maffulli N., Testa V., Capasso G., Oliva F., Sullo A., Benazzo F., Regine R., King J.,  
United Kingdom, Italy

P-412  
Phenotypic Drift in Human Tenocyte Culture  
Li Y., Bestwick C., Bestwick L., Maffulli N., Aspden R., United Kingdom

P-413  
Recurrent peroneal tendon subluxation  
Maffulli N., Ferran N., Oliva F., Testa V., United Kingdom, Italy

P-414  
No adverse effect of early weight bearing following open repair of acute tears of the achilles tendon.  
Maffulli N., Tallon C., Wong J., Peng Lim K., Bleakney R., United Kingdom

P-415  
Mechanical properties of human fFexor Hallucis longus, Peroneus Brevis and tendo Achilles tendons  
Datta B., Turner A., Maffulli N., Walsh W., United Kingdom, Australia

P-416  
Three-dimensional culture of tenocytes in uniaxial microchannels for tendon engineering  
Babnaninchi P., Yang Y., Maffulli N., Wang R., El Haj A., United Kingdom
Posters

P-417
Salreta Jr. J.F., Craveiro Lopes N., Portugal

P-418
Functional results correlate with mechanical tendon properties one year after Achilles tendon rupture.
Kvist J., Schepull T., Aspenberg P., Sweden

P-419
Flexor hallucis longus transfer for neglected Achilles tendon rupture
Stipcak V., Hart R., Kucera B., Czech Republic

P-421
The use of porcine small intestine submucosa (SIS) as a scaffold in flexor tendon repair
Asif I., Franklin J., Shearn J., Kenter K., Stern P., United States of America

P-422
Our experiences with percutaneous suture of Achilles tendon ruptures.
Pliska L., Pleva L., Demel J., Czech Republic

P-423
Plasma rich in growth factors (PRGF) used to enhance healing of muscle attachments – preliminary results.
Chomicki-Bindas P., Smigielski R., Czynry Z., Poland

P-424
Clinical and radiographic results and their correlation after operative treatment of achilles tendinopathy and Haglund’s disease.
Becher C., Lorbach O., Oti F., Thermann H., Germany

CARTILAGE

P-425
Immunohistochemical localisation of calcitonin gene-related peptide and substance P in the rat knee cartilage at birth
Oliva F., Tarantino U., Maffulli N., United Kingdom, Italy
P-426
The comparison study of drilling procedure with cultured bone marrow mesenchymal stromal cells versus only drilling procedure to repair chronic full-thickness articular cartilage defect
Nishimori M., Deie M., Adachi N., Kanaya A., Ochi M., Japan

P-427
Athletic activity as predisposing factor for osteoarthritis in former elite athletes
Iosifidis M., Sarrigiannidis P., Antoniou C., Tsarouhas A., Traios S., Giantsis G., Greece

P-428
In vitro gene transfer into rabbit chondrocytes by radial shockwave
Murata R., Nakagawa K., Ohtori S., Ochiai N., Takahashi K., Moriya H., Japan

P-429
Arthroscopic hip labral repair: a new in vivo model
Philippon M., Turner S., Trumble T., Wheeler D., Kelly B., Torrie A., United States of America

P-430
A solid implant to optimize autologous chondrocyte implantation: Cartipatch®
Neyret P., Ait Si Selmi T., Bussiere C., Potel J.F., Dubrana F., Chambat P., France

P-431
The differences in metabolic and proliferative activity in hip and knee articular cartilage may impact cartilage research hip versus knee articular cartilage:
Differences in proliferation and metabolic activity
Kaplan L., Hoffman J., Barlow J., Stampfli H., United States of America

P-432
A new ovine model for studying partial thickness articular cartilage lesions
Kaplan L., Lu Y., Swain C., Stampfli H., Markel M., United States of America

P-433
Volume changes of articular cartilage and menisci of the knee joint introduced by distance running.
Hohmann E., Tittel S., Kessler M., Imhoff A., Australia, Germany

P-434
Solid autologous chondrograft in the treatment of articular cartilage defects of the talus
Messner P., Valis P., Czech Republic
Cultivated autologous cartilage graft transplantation - our experience
Handl M., Trc T., Adler J., Povolova M., Stastny E., Neuwirth J., Czech Republic

OKES - osteoarthritis of the knee evaluation system
Handl M., Amler E., Trc T., Povolova M., Neuwirth J., Adler J., Czech Republic

Microfracture for the treatment of cartilage lesions. Four years follow up.
Motsis E., Stafilas K., Gavrilidis J., Xenakis T., Greece

T1rho and T2 mapping using high field MRI for early diagnosis of cartilage degeneration
Ma C.B., Li X., Link T., Safran M., Majumdar S., United States of America

Arthroscopically assisted treatment of tibial plateau fracture
Hussein M., Kavcic G., Slovenia

Bilateral arthroscopy of the knee-and hip joint. Difficulties and practicability.
Börner C.E., Bohnsack M., Rühmann O., Germany

Long-term sport involvement does not lead to significantly greater incidence of sporting injuries in elite young athletes.
Grieve A., Baxter-Jones A., Maffulli N., United Kingdom, Canada

Clinical measurement of rotational laxity of the knee
Alam M., Bull A.M., Boddu Siva Rama K., Thomas R., Amis A., United Kingdom

Management of acute knee injuries in accident and emergency department - is it appropriate?
Lakdawala A., Ireland J., United Kingdom
P-444
Injuries and preventive actions in elite Swedish volleyball
Augustsson S., Augustsson J., Thomeé R., Svantesson U., Sweden

P-445
Valgus deformity due to a premature partial closure of the distal femur physis -
a case report of a young female figure skater
Schmitt H., Kuni B., Germany

P-446
Knee injuries from snowmobile accidents
Häfling I., Kaskinen K., Kröger H., Finland

P-447
Recurrent patellar ligament rupture after primary repair: Reconstruction
using gracilis and semitendinosus tendon autografts
van der Zwaal P., van Arkel E.R.A., Netherlands

P-448
Sports hernia - operative management
Mitsou A., Triantafyllidis P., Kelalis G., Greece

P-449
Diagnosis and treatment of lower limb stress fractures in elite athletes
Pavlik A., Halasi T., Tallay A., Hidas P., Hungary

P-450
Database for knee ligament injuries: A method for data collection and analysis.
Pengas I., Hatcher A., Murphy P., McNicholas M., United Kingdom

P-451
Cable wakeboard injuries
Pánics G., Tállay A., Börzsei V., Hungary

P-452
Jones’ fracture - our experiences with the Herbert cannulated screw
Demel J., Pleva L., Pliska L., Czech Republic
Posters

P-453  
Rehabilitation and return to alpine skiing after ACL reconstruction  
Tellatin E., Roi G.S., Botto F., Italy

P-454  
Carving injuries  
Solecki A., Sadlik B., Brzoska R., Poland

P-455  
Analysis of medical problems during the 2001-2002 volvo ocean race  
Spalding T., Malinen T., United Kingdom

P-456  
A case of third metatarsal bone stress fracture related to plantar ganglion cyst  

P-457  
Bovine bone substitutes in management of tibial plateau fractures - early results  
Lakdawala A., El-Zebdeh M., Gadel Rab R., United Kingdom

P-458  
Prevention of soccer injuries  
Pánics G., Kynsburg Á., Berkes I., Hungary

P-459  
Tibial shaft football fractures  
Chang W., Kapasi Z., Daisley S., Leach W., United Kingdom

P-460  
Arthroscopic treatment of tibial intercondylar eminence avulsion in children  
Havlas V., Trè T., Smetana P., Schovanec J., Žmolík L., Czech Republic
INJURY PREVENTION

P-462
Pseudoaneurysm as the reason for recurrent hemarthros of the knee joint – Case Report
Becher C., Burger U., Allenberg J.R., Richter G.M., Kauffmann G., Thermann H., Germany

P-463
Reducing the risk of hamstring sprains with Nordic training
Clark R., Bryant A., Hohmann E., Australia

P-464
Effects of warm-up on knee proprioception and balance control
Iwasa J., Tadenuma T., Kuwata S., Uchio Y., Ochi M., Japan

P-465
Effects of football shoe cleat configurations and playing surfaces on plantar pressure distribution patterns
Cerulli G., Lamontagne M., Caraffa A., Checcarelli D., Archilletti A., Italy, Canada

P-466
The mechanisms of non-contact anterior cruciate ligament (ACL) injury: The knee undergo internal rotation of the tibia even in the knee-in toe-out position
Maruhashi Y., Kitaoka K., Okano A., Shima Y., Tomita K., Japan

P-467
Three new tests for screening of injury risk in the lower extremities – a presentation of normal values
Brushoj C., Holmich P., Kaiser T., Bachmann M., Denmark

P-468
Intra-osseous endoscopy: report of eleven cases
Asparouhov A., Dimitrov G., Popvska S., Bulgaria

P-469
New method of kinesthetic training in skiers.
Arkov V., Kalinkin L., Milenin O., Russian Federation

P-470
Biofeedback for improving weight bearing: A new assessment and rehabilitation device
Kaplan Y., Israel
<table>
<thead>
<tr>
<th>Company</th>
<th>Country/City</th>
<th>Floor</th>
<th>Stand-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aircast Europe GmbH</td>
<td>D-83115 Neubeuern</td>
<td>Dogana</td>
<td>5</td>
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<tr>
<td>albrecht GmbH</td>
<td>D-83071 Stephanskirchen</td>
<td>Europa foyer</td>
<td>Oaa</td>
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<tr>
<td>Amplitude</td>
<td>F-26000 Valence</td>
<td>Tirol foyer</td>
<td>29 &amp; 30</td>
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<td>Arthrex GmbH</td>
<td>D-85757 Karlsfeld</td>
<td>Tirol foyer</td>
<td>19</td>
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<td>Arthro Kinetics plc.</td>
<td>D-73728 Esslingen</td>
<td>Dogana</td>
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<td>Arthrocare Sports Medicine</td>
<td>GB-HG3 1DH Harrogate</td>
<td>Dogana</td>
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<td>Arthronet GmbH &amp; Co. KG</td>
<td>D-51399 Burscheid</td>
<td>Dogana</td>
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<td>Arthrosurface Inc.</td>
<td>USA-Franklin, MA 02038</td>
<td>Tirol foyer</td>
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<td>B. Braun Aesculap AG &amp; Co. KG</td>
<td>D-78532 Tuttingen</td>
<td>Tirol foyer</td>
<td>25 &amp; 26</td>
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<td>Biomet Europe</td>
<td>GB-Bridgend, Wales CF31 3XA</td>
<td>Dogana</td>
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<td>CONMED LINVATEC EUROPE</td>
<td>B-1070 Anderlecht</td>
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<td>Corin Group plc</td>
<td>GB-Cirencester, Glous. GL7 1Y5</td>
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<td>22</td>
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<td>DePuy Int.</td>
<td>GB-Leeds, LS11 0EA</td>
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<td>I-00040 Pratica di Mare - Rome</td>
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<td>DeSoutter Medical Ltd.</td>
<td>GB-Berkhamsted, Herts. HP4 1HL</td>
<td>Europa foyer</td>
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<td>DIZG - Deutsches Institut für Zell- und Gewebeersatz</td>
<td>D-12555 Berlin</td>
<td>Tirol foyer</td>
<td>31</td>
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<td>dj Orthopedics Deutschland GmbH</td>
<td>D-95521 Neudrossenfeld</td>
<td>Dogana</td>
<td>3</td>
</tr>
<tr>
<td>ESSKA 2000 Congress 2008 in Porto</td>
<td></td>
<td>Europa foyer</td>
<td>-</td>
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<tr>
<td>Geistlich Pharma AG, Division Biomeriaterials</td>
<td>CH-6110 Wolhusen</td>
<td>Europa foyer</td>
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<td>Genzyme Biosurgery</td>
<td>GB-Oxford OX4 2SU</td>
<td>Kristall foyer</td>
<td>38</td>
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<tr>
<td>INION Ltd.</td>
<td>FIN-33520 Tampere</td>
<td>Dogana</td>
<td>2</td>
</tr>
<tr>
<td>ISAKOS</td>
<td>18</td>
<td>Europa foyer</td>
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<tr>
<td>Company</td>
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<tr>
<td>Karl Storz GmbH &amp; Co. KG</td>
<td>D-78532 Tuttlingen</td>
<td>Kristall foyer</td>
<td>36</td>
</tr>
<tr>
<td>Lars Vertrieb von Implantaten GmbH</td>
<td>A-1130 Wien</td>
<td>Tirol foyer</td>
<td>23</td>
</tr>
<tr>
<td>Mathys Ltd. Bettlach</td>
<td>CH-2544 Bettlach</td>
<td>Dogana</td>
<td>9</td>
</tr>
<tr>
<td>McRoberts bv</td>
<td>NL-2596 HN The Hague</td>
<td>Casino foyer</td>
<td>39</td>
</tr>
<tr>
<td>MEDACTA AG</td>
<td>CH-6874 Castel San Pietro</td>
<td>Kristall foyer</td>
<td>34</td>
</tr>
<tr>
<td>medi Bayreuth GmbH &amp; Co. KG</td>
<td>D-95448 Bayreuth</td>
<td>Dogana</td>
<td>7</td>
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<tr>
<td>Medical survey</td>
<td>USA-01810 Andover, MA</td>
<td>Europa foyer</td>
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<td>OsteoBiologics Inc.</td>
<td>USA-78249 San Antonio,TX</td>
<td>Tirol foyer</td>
<td>21</td>
</tr>
<tr>
<td>Plus Orthopedics AG</td>
<td>CH-6343 Rotkreuz</td>
<td>Kristall foyer</td>
<td>35</td>
</tr>
<tr>
<td>ReGen Biologics AG</td>
<td>CH-6314 Unterägeri</td>
<td>Kristall foyer</td>
<td>32</td>
</tr>
<tr>
<td>SAGE Publications</td>
<td>USA-Thousand Oaks, CA 91320</td>
<td>Tirol foyer</td>
<td>20</td>
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<td>SBM S.A.</td>
<td>F-65100 Lourdes</td>
<td>Kristall foyer</td>
<td>37</td>
</tr>
<tr>
<td>SLACK Inc. - Orthopaedics Today International Edition</td>
<td>USA-08086 Thorofare, NJ</td>
<td>Europa foyer</td>
<td>-</td>
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<tr>
<td>Smith &amp; Nephew Inc.</td>
<td>USA-01810 Andover, MA</td>
<td>Dogana</td>
<td>12</td>
</tr>
<tr>
<td>Stryker SA</td>
<td>CH-1820 Montreux</td>
<td>Kristall foyer</td>
<td>33</td>
</tr>
<tr>
<td>Synthes</td>
<td>A-5017 Salzburg</td>
<td>Dogana</td>
<td>13</td>
</tr>
<tr>
<td>TiGenix NV</td>
<td>B-3001 Leuven</td>
<td>Dogana</td>
<td>8</td>
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<tr>
<td>TBF Tissue Engineering</td>
<td>F-69500 Bron</td>
<td>Tirol foyer</td>
<td>18</td>
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<tr>
<td>TORNIER</td>
<td>F-38330 Montbonnet</td>
<td>Tirol foyer</td>
<td>27</td>
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<td>TRB Chemedica International S.A.</td>
<td>CH-1211 Geneva 12</td>
<td>Dogana</td>
<td>1</td>
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<tr>
<td>Wirmsberger &amp; Böhm Fachbuchhandlung für Medizin GmbH</td>
<td>D-45147 Essen</td>
<td>Tirol foyer</td>
<td>28</td>
</tr>
<tr>
<td>Zimmer GmbH</td>
<td>CH-8404 Winterthur</td>
<td>Dogana</td>
<td>14</td>
</tr>
</tbody>
</table>
## Exhibitors' list numerical order

<table>
<thead>
<tr>
<th>Floor</th>
<th>Stand-No.</th>
<th>Company</th>
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<tbody>
<tr>
<td>Europa foyer</td>
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<td>CONMED LINVATEC EUROPE</td>
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<td>Arthro Kinetics plc.</td>
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<td>Arthronet GmbH &amp; Co. KG</td>
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<td>Tirol foyer</td>
<td>18</td>
<td>TBF Tissue Engineering</td>
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<td>19</td>
<td>Arthrex GmbH</td>
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<td>SAGE Publications</td>
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<td>21</td>
<td>OsteoBiologics Inc.</td>
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<td>22</td>
<td>Corin Group plc.</td>
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<tr>
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<td>23</td>
<td>Lars Vertrieb von Implantaten GmbH</td>
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<tr>
<td></td>
<td>24</td>
<td>ArthroSurface Inc.</td>
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<td></td>
<td>25, 26</td>
<td>B. Braun Aesculap AG &amp; Co. KG</td>
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<td>TORNIER</td>
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<td>28</td>
<td>Wirmsberger &amp; Böhm Fachbuchhandlung für Medizin GmbH</td>
</tr>
<tr>
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<td>29, 30</td>
<td>Amplitude</td>
</tr>
<tr>
<td>Kristall foyer</td>
<td>31</td>
<td>DIZG - Deutsches Institut für Zell- und Gewebeersatz</td>
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<tr>
<td></td>
<td>32</td>
<td>ReGen Biologics AG</td>
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<td>Stryker SA</td>
</tr>
<tr>
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<td>34</td>
<td>MEDACTA AG</td>
</tr>
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<td>35</td>
<td>Plus Orthopedics AG</td>
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<tr>
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<td>36</td>
<td>Karl Storz GmbH &amp; Co. KG</td>
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<tr>
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<td>37</td>
<td>SBM S.A.</td>
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<tr>
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<td>38</td>
<td>Genzyme Biosurgery</td>
</tr>
<tr>
<td>Casino foyer</td>
<td>39</td>
<td>McRoberts bv</td>
</tr>
</tbody>
</table>
Exhibition plan
# Sponsors

<table>
<thead>
<tr>
<th>Company</th>
<th>Country</th>
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<tbody>
<tr>
<td><strong>Platinum Sponsor</strong></td>
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<td>Smith &amp; Nephew Inc.</td>
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<td><strong>Main Sponsors</strong></td>
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<td>DePuy Int.</td>
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<td>Genzyme Biosurgery</td>
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<td>Zimmer GmbH</td>
<td>Switzerland</td>
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Half day, 14:00-16:00 h

Special Guided tour with Emperor Maximilian I

culture

During a special sightseeing tour Emperor Maximilian I. and his wives Maria von Burgund and Bianca Maria Sforza join the guests. They humorously tell stories about their relationships and the day-to-day life of times gone by and show the participants some of Innsbruck’s hidden corners. Afterwards the guests will visit the famous Café Sacher and enjoy „Wiener Melange“ (coffee) as well as „Sacher Torte“ (cake).

Price per person € 40.--
Minimum number of participants 25
Including Special sightseeing tour, coffee & cake
Meeting point Main entrance of the congress centre
(Congress Centre Innsbruck, Rennweg 3)

Welcome Reception, 18:00-19:30 h

The state of Tyrol welcomes you to Innsbruck and Tyrol! Join the welcome reception at the congress center (foyers of the industrial exhibition) for some drinks and finger food in a relaxed atmosphere and mingle with the fellow congress participants and exhibitors.

Price per person € 0.--
Including drinks and finger food
Half day, 14:00-18:00 h

By Vintage Tram
culture

Slowly, but steadily, the vintage tram makes its way through downtown Innsbruck and, after chugging up the hill, stops for the first time at the magnificent Bergisel, where the guests then join a tour through the new ski jump stadium and a ride up to the tower.

The tram’s next stop is the impressive palace „Schloss Ambras“. The guests join a tour through the castle and the beautiful garden before following its tracks back to Innsbruck’s Maria Theresien Street.
A short guided tour through the historic streets of Tyrol’s capital rounds up the afternoon.

Price per person € 60,--
Minimum number of participants 30
Including Transfer by vintage tram, tour guide, tickets, coffee & cake
Meeting point Main entrance of the congress centre
(Congress Centre Innsbruck, Rennweg 3)
Full day, 10:00-16:00 h

Achensee - Riviera

Although 116 years old, the old train is as dynamic as ever. It takes the guests to the shores of the lake „Achensee“, nestling amid rugged mountains. A comfortable boat then shuttles its passengers across the fjord-like lake.

After a hearty snack in the „Gaisalm“ and a stroll through the untouched landscape to the village of „Pertisau“, a bus takes the guests back to Innsbruck.

After the tour, the rewarding 360° view onto the magnificent peaks of the Grossglockner, the Dolomites and the Zugspitze leaves unforgettable memories.

Price per person  € 90,--
Minimum number of participants 30
Including Transfer, tour guide, train & boat tour, lunch, hiking guide
Meeting point Main entrance of the congress centre (Congress Centre Innsbruck, Rennweg 3)
Half day, 14:00-18:00 h

**Swarovski Crystal Worlds**

*culture*

The famous Swarovski Crystal Worlds – in the vicinity of Innsbruck – is a kaleidoscope of magic. The inspirational „chambers of wonder“ hold masterpieces by famous international artists, among them André Heller and Keith Haring.

Immerse into the magic scenery and let your soul drift away.

- **Price per person**: € 40,--
- **Minimum number of participants**: 30
- **Including**: Transfer, tour guide, ticket, coffee & cake
- **Meeting point**: Main entrance of the congress centre
  (Congress Centre Innsbruck, Rennweg 3)

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**Gala Dinner at the Hofburg Innsbruck, 20:00 h**

We would like to invite you to spend an unforgettable evening with us in one of the most spectacular venues in the Alps, the imperial “Hofburg Innsbruck”. The monumental baroque castle was acquired by duke Friedrich IV. in 1401 and then restored by Maria Theresia in the 18th century.

The exquisite dinner will take place in the splendid hall „Riesensaal“ where large paintings show members of Maria Theresia’s family. The noble atmosphere of the historic building ensures that you will enjoy a grand and elegant dinner just like in Maria Theresian times.

- **Price per person**: € 60,--
- **Including**: Aperitif, 5-course dinner, drinks
- **Information**: The Hofburg is adjacent to the congress centre in the old part of town (no transfer busses necessary)
Half day, 9:00-12:00 h

Special Guided Tour Hall – Burg Hasegg – Mint tower
culture

The town of ‘Hall’ with its historic buildings and lovely squares, also - surrounded by magnificent mountains, is ideal to be explored by foot. ‘Emperor Maximilian’ accompanies the group and has got many stories to tell, one of them about the castle ‘Burg Hasegg’:

„[....1477 is when it all began in the small community of Hall, 10 km east of Innsbruck: Archduke Sigismund revolutionized the monetary system, the castle Hasegg with its famous „Mint Tower“ produced the – then first – European silver coin, which has become known as the „Guldiner“, a forefather of the „Dollar“........]“

As a souvenir at the end of the tour everyone can produce their own coin on an ancient press.

Price per person € 50,--
Minimum number of participants 25
Including Transfer, special sightseeing tour, ticket
Meeting point Main entrance of the congress centre
(Congress Centre Innsbruck, Rennweg 3)

Saturday, May 27th 2006

SOCIAL PROGRAMME
GENERAL INFORMATION

Congress venue
Congress Innsbruck
Rennweg 3
6020 Innsbruck, Austria
www.congress-innsbruck.at

Congress organisation
INTERCONGRESS GmbH
Krautgartenstr. 30
65205 Wiesbaden, Germany
Phone: +49 611 97716-0
Fax: +49 611 97716-16
e-mail: esska@intercongress.de

Registration desk
Phone: +43 512 5936450
Fax: +43 512 5936451

Opening hours of the registration desk
Tuesday, May 23, 2006: 17:30-19:30 h
Wednesday, May 24, 2006: 08:00-18:00 h
Thursday, May 25, 2006: 07:15-18:00 h
Friday, May 26, 2006: 07:15-18:00 h
Saturday, May 27, 2006: 07:15-13:30 h

Registration fees
ESSKA 2000 member EUR 440,-
ISAKOS, AOSSM, APOSSM, SLARD, AANA members EUR 460,-
Non member EUR 560,-
Participants from Eastern European Countries & Residents* EUR 270,-
Accompanying person EUR 60,-
*only with document indicating training programme and level of training

Registration includes:
Scientific sessions, instructional courses, workshops, symposia, access to the industrial exhibition, convention bag, badge, one copy of the Final Programme and the book of abstracts, welcome reception and coffee.

Accreditation / CME-points
European Accreditation Council for Continuing Medical Education
The EACCME has granted 21 European CME credits (ECMEC) to the congress.
The 12th ESSKA 2000 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 12th ESSKA 2000 congress is designated for up to 20 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 I credit, contact the AMA.

Österreichische Ärztekammer
The Österreichische Ärztekammer has granted 26 points to the congress.
Certificate of attendance
The certificate of attendance can be collected at the registration desk from May 27th, 2006.

Currency and payment
The official currency in Austria is EURO.
Registration fees can be paid cash (EURO) or via credit card (VISA and Mastercard).

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 2000 member: blue
Non-member: white
Exhibitors, accompanying person: yellow
Nurses: green
Rehabilitation course: pink

Additional copies of Final Programme and Abstract Book
Each delegate will be handed out one free copy of the Final Programme and the Abstract Book. Additional copies can be purchased at the registration desk.

Language
The official language of the meeting is English. There will be no translation of lectures.

Industrial exhibition
The industrial exhibition is located in the Dogana hall (ground floor), Tyrol foyer and Crystal foyer (first floor), Casino foyer (second floor).
Opening hours are:
Wednesday, May 24, 2006 08.30 - 20.00 h
Thursday, May 25, 2006 08.30 - 18.00 h
Friday, May 26, 2006 08.30 - 18.00 h
Saturday, May 27, 2006 08.30 - 14.00 h

Coffee and lunch breaks
Coffee and biscuits will be served free of charge during the official coffee breaks in the Dogana hall and at the service bar in the Crystal foyer. A cash bar in the Crystal foyer offers extra coffee, snacks and non-alcoholic drinks at all other times. Free lunchboxes will be handed out at the lunch-workshop rooms before the lunch-workshops and in the Dogana hall.

Poster exhibition
The poster exhibition is located on the ground floor of the congress centre. All posters should be placed on the relevant poster board. Posters may be set-up on Wednesday, May 24, 2006 from 8 a.m. (earliest) to 6.00 p.m. (latest).
Posters should be removed between noon and 2 p.m. on Saturday May 27, 2006 (latest). Posters not removed at this time will be discarded. Posters and other material can not be sent to your home addresses after the conference.

Speakers’ information and media-check
The media check is located on the first floor in the Tyrol foyer. Please hand in your PowerPoint-presentation on CD-Rom or on USB stick at least 2 hours before your session starts. Presentations can be reviewed in the media-check where 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 chairmen and strictly keep to the time limit of their presentation.
Speakers and Chairmen
Speakers and Chairmen
Speakers and Chairmen

156
Authors index
Authors index
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