## Scientific Programme

### Tuesday 11 May 2021

#### Instructional Course Lecture 07:30 - 09:00

##### Gold Plenary

**ICL01, Surgical techniques of the meniscus: State of the art**

**Chairs:**
- N. Pujol (France)
- S. Kopf (Germany)

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>ICL01-1</td>
<td>Anatomy of meniscus</td>
<td>07:30 - 07:45</td>
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<tr>
<td>M. Feucht (Germany)</td>
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<tr>
<td>ICL01-2</td>
<td>Degenerative tears (Epidemiology e.g. Framingham study; diagnosis; treatment with movies: partial resection, vertical sutures of fish mouth lesions, open repair in young pxt; post-rehab)</td>
<td>07:45 - 08:00</td>
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<tr>
<td>M. Ronga (Italy)</td>
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<tr>
<td>ICL01-3</td>
<td>Ramp lesions - Epidemiology, diagnosis, treatment with movies</td>
<td>08:00 - 08:15</td>
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<tr>
<td>A. Getgood (Canada)</td>
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<tr>
<td>ICL01-4</td>
<td>Root repair: Degenerative (posteromedial) vs. traumatic (posterolateral): Epidemiology, diagnosis, treatment with movies: „Firstpass“ and „Lasso“ with transtibial fixation; post-rehab</td>
<td>08:15 - 08:30</td>
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<tr>
<td>M. Strauss (Norway)</td>
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<td>ICL01-5</td>
<td>Allografts - Usefully to improve clinical symptoms AND OA? Which pxt should be treated on the medial and lateral side? Treatment with movies: soft tissue, bone grafts, dove tail technique</td>
<td>08:30 - 08:45</td>
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<tr>
<td>N. Pujol (France)</td>
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<tr>
<td>ICL01-6</td>
<td>Postoperative rehab after meniscus surgery - Any evidence at all?</td>
<td>08:45 - 09:00</td>
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<tr>
<td>A. Ivkovic (Croatia)</td>
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##### Auditorium

**ICL02, First-time patellar dislocation: A modern treatment strategy**

**Chairs:**
- P. Sillanpää (Finland)
- E. Arendt (United States)

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<tr>
<th>Session</th>
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<tr>
<td>ICL02-1</td>
<td>Evidence-based treatment - An update</td>
<td>07:30 - 07:45</td>
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<tr>
<td>E. Arendt (United States)</td>
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<tr>
<td>ICL02-2</td>
<td>When to consider surgery?</td>
<td>07:45 - 08:00</td>
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<tr>
<td>R. El Attal (Austria)</td>
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<tr>
<td>ICL02-3</td>
<td>Patella height as a factor</td>
<td>08:00 - 08:15</td>
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<tr>
<td>M. Berruto (Italy)</td>
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Scientific Programme

ICL02-4  Trochlea dysplasia as a factor
F. Dirisamer (Austria)  08:15 - 08:30

ICL02-5  Non-operative management
J. Stephen (United Kingdom)  08:30 - 08:45

ICL02-6  Treatment algorithm
P. Balcarek (Germany)  08:45 - 09:00

Instructional Course Lecture
07:30 - 09:00  Brown 3 - EKA

ICL03, Surgical techniques in primary TKA - Best practice

Chairs:
P.F. Indelli (United States)
G. Meermans (Netherlands)

ICL03-1  Measured resection TKA
P.F. Indelli (United States)  07:30 - 07:45

ICL03-2  Proper cementing in TKA
G. Meermans (Netherlands)  07:45 - 08:00

ICL03-3  How to set femoral rotation in TKA
D. Guenther (Germany)  08:00 - 08:15

ICL03-4  How to set tibial rotation in TKA
P. Hinarejos (Spain)  08:15 - 08:30

ICL03-5  Kinematic alignment in TKA
M. Ettinger (Germany)  08:30 - 08:45

ICL03-6  Patellar resurfacing in TKA
R. Fleaca (Romania)  08:45 - 09:00

Instructional Course Lecture
07:30 - 09:00  Brown 1+2

ICL04, Surgical techniques in HTO - Best practice

Chairs:
R. Van Heerwaarden (Netherlands)
R. Seil (Luxembourg)

ICL04-1  Medial opening wedge HTO
S.S. Ahmad (Germany)  07:30 - 07:45

ICL04-2  Lateral closing wedge HTO
S. Schröter (Germany)  07:45 - 08:00

ICL04-3  HTO and cartilage procedures
P. Angele (Germany)  08:00 - 08:15
Scientific Programme

ICL04-4  HTO with PSI  
M. Ollivier (France)  
08:15 - 08:30

ICL04-5  Distal femoral osteotomy  
R. Van Heerwaarden (Netherlands)  
08:30 - 08:45

ICL04-6  Tibial slope changing osteotomy in chronic ACL insufficiency  
R. Seil (Luxembourg)  
08:45 - 09:00

Instructional Course Lecture  
07:30 - 09:00  
Space 1 - ESA

ICL05, Fundamentals in rotator cuff repair

Chairs:  
L. Kovacic (Slovenia)  
G. Milano (Italy)

ICL05-1  Clinical examination - How I do it  
E. Taverna (Italy)  
07:30 - 07:45

ICL05-2  MR imaging - What the surgeon needs to know  
P. Gleyze (France)  
07:45 - 08:00

ICL05-3  Decision-making - Which patient is a good candidate  
B. Poberaj (Qatar)  
08:00 - 08:15

ICL05-4  Arthroscopic rotator cuff repair - Advanced essentials  
A. Calvo (Spain)  
08:15 - 08:30

ICL05-5  Difficult cases - How I deal with them  
R. Brzóska (Poland)  
08:30 - 08:45

ICL05-6  Complications - Managing the unwanted situations  
G. Milano (Italy)  
08:45 - 09:00

Instructional Course Lecture  
07:30 - 09:00  
Space 2 - Hip

ICL06, Basic hip arthroscopy I

Chairs:  
V. Khanduja (United Kingdom)  
O. Ayeni (Canada)

ICL06-1  Assessment of the young adult hip  
O. Ayeni (Canada)  
07:30 - 07:45

ICL06-2  Indications  
N. Bonin (France)  
07:45 - 08:00

ICL06-3  Positioning and portal placement  
O. Marín-Peña (Spain)  
08:00 - 08:15
Scientific Programme

ICL06-4  Managing the capsule  08:15 - 08:30
P. Christofilopoulos (Switzerland)

ICL06-5  How to avoid complications?  08:30 - 08:45
S. Loken (Norway)

ICL06-6  How best to learn hip arthroscopy - Handling the learning curve  08:45 - 09:00
A. Malviya (United Kingdom)

Instructional Course Lecture
07:30 - 09:00  Space 3 - AFAS

ICL07, State of the art in ankle ligament surgery

Chairs:
C. Pearce (United Kingdom)
S. Guillo (France)

ICL07-1  Open Brostrom-Gould and the elite professional athlete  07:30 - 07:45
J. Calder (United Kingdom)

ICL07-2  Open vs. arthroscopic Brostrom  07:45 - 08:00
C. Pearce (United Kingdom)

ICL07-3  Arthroscopic repair  08:00 - 08:15
S. Guillo (France)

ICL07-4  Repair vs. reconstruction: How to choose?  08:15 - 08:30
A. Perera (United Kingdom)

ICL07-5  Hybrid technique of Arthroscopic & Percutaneous Anti-RoLL  08:30 - 08:45
M. Takao (Japan)

ICL07-6  Rehabilitation and return to sport  08:45 - 09:00
Y. Tourne (France)

Instructional Course Lecture
07:30 - 09:00  Space 4 - ESMA

ICL08, ESMA Acute sports trauma management

Chairs:
J. Menetrey (Switzerland)

ICL08-1  Sudden cardiac arrest  07:30 - 07:45
F. Serralva (Portugal)

ICL08-2  Head injuries  07:45 - 08:00

ICL08-3  Spine injury  08:00 - 08:15
H. Jones (Portugal)

ICL08-4  Facial injuries  08:15 - 08:30
W. Krutsch (Germany)
**Scientific Programme**

**ICL08-5**  
**Thoracic abdominal and groin injuries**  
Z. Bahtijarevic (Croatia)  
08:30 - 08:45

**ICL08-6**  
**Limb injuries**  
A. Maestro (Spain)  
08:45 - 09:00

Instructional Course Lecture  
07:30 - 09:00  
Amber 1+2

**ICL09, All the secrets of elbow instability**

**Chairs:**  
A. Müller (Switzerland)  
R. Barco (Spain)

**ICL09-1**  
**Diagnosis**  
A. Müller (Switzerland)  
07:30 - 07:45

**ICL09-2**  
**Imaging**  
A. Watts (United Kingdom)  
07:45 - 08:00

**ICL09-3**  
**Indications**  
M. van den Bekerom (Netherlands)  
08:00 - 08:15

**ICL09-4**  
**Non-operative treatment**  
R. Barco (Spain)  
08:15 - 08:30

**ICL09-5**  
**Operative treatment**  
P. Vavken (Switzerland)  
08:30 - 08:45

**ICL09-6**  
**Summary and take-home messages**  
L.A. Pederzini (Italy)  
08:45 - 09:00

**E-posters**  
09:00 - 19:00  
Exhibition South Hall

**E-Posters**

**Meetings**  
09:00 - 09:30  
Gold Plenary

**ME01, Congress Opening**
 highlight Lecture
09:30 - 10:00  
**HL01, Ejnar Eriksson Lecture - ACL reconstruction from the past to present - What have I learned from Ejnar?**

**Chairs:**
M. Hantes  
R. Becker (Germany)

**HL01**  
**ACL reconstruction from the past to present - What have I learned from Ejnar?**  
M. Denti (Italy)

 highlight Lecture
10:30 - 11:00  
**HL02, Werner Müller Lecture - The anterolateral soft tissues - Fact and fiction**

**Chairs:**
P. Hertel (Germany)  
M. Karahan (Turkey)

**HL02**  
**The anterolateral soft tissues - Fact and fiction**  
A. Williams (United Kingdom)

**Keynote Lecture**
10:30 - 11:00  
**KL01, ESA Keynote Lecture - Transosseous equivalent rotator cuff repair**

**Chairs:**
W. Nebelung (Germany)  
R. Brzóska (Poland)

**KL01-1**  
**Transosseous equivalent rotator cuff repair**  
M. Demirhan (Turkey)

**KL01-2**  
**Discussion**

**Symposia**
10:30 - 11:30  
**SY01, EKA - Best practice: Non-operative treatment of OA in the knee - A case-based approach**

**Chairs:**
S. Mogos (Romania)  
T. Bataga (Romania)

**SY01-1**  
**Best practice - Physiotherapy**
## Scientific Programme

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<th>SY01-2</th>
<th>Best practice - Pain medication</th>
<th>10:40 - 10:50</th>
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<td>S.S. Gursu (Turkey)</td>
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<tr>
<th>SY01-3</th>
<th>Best practice - Oral OA modifying drugs</th>
<th>10:50 - 11:00</th>
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<td>M. Roman (Romania)</td>
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<tr>
<th>SY01-4</th>
<th>Best practice - Insoles, deloading braces</th>
<th>11:00 - 11:10</th>
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<td>C. Egloff (Switzerland)</td>
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<tr>
<th>SY01-5</th>
<th>Best practice - Injections including cortisone, hyaluronic acid, PRP</th>
<th>11:10 - 11:20</th>
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<td>S. Mogos (Romania)</td>
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<tr>
<th>SY01-6</th>
<th>Best practice - Mesenchymal stem cells?</th>
<th>11:20 - 11:30</th>
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<td></td>
<td>M. Vasso (Italy)</td>
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### Free Papers

10:30 - 12:00

**FP01, Free Papers - ACL and periphery**

**Chairs:**
- A. Todor
- S. Claes (Belgium)

**FP01-01** The effect of graft choice for ACL reconstruction with a concomitant non-surgically treated MCL injury on the risk of revision and knee function
  - E. Svantesson (Sweden)
  - 10:30 - 10:36

**FP01-02** Quantitative evaluation of lateral articular cartilage morphology on magnetic resonance imaging at 2-years following anterior cruciate ligament reconstruction with or without a lateral extra-articular tenodesis
  - 10:36 - 10:42

**FP01-03** The association of extra-articular tenodesis restores rotational stability more effectively compared to contralateral hamstring tendon autografts ACL reconstruction alone in patients undergoing ACL revision surgery
  - C. Legnani (Italy)
  - 10:42 - 10:48

**FP01-04** Combined ACL and anterolateral reconstruction in skeletally immature children. A series of 39 cases with a 2 years follow-up
  - 10:48 - 10:54

**FP01-05** Anterolateral reconstruction and lateral extra-articular tenodesis improve knee stability after ACL reconstruction: a biomechanical study
  - J.-R. Delaloye (Switzerland)
  - 10:54 - 11:00

**FP01-06** The relative contributions of the anterior cruciate ligament, anterolateral ligament, Kaplan fibres and the lateral meniscus to knee stability
  - L. Willinger (Germany)
  - 11:00 - 11:06

**FP01-07** Detailed knee kinematics evaluation of pivot-shift negative knees after ACL reconstruction using an electromagnetic pivot-shift measurement
  - A. Mori (Japan)
  - 11:06 - 11:12

**FP01-08** Failure rates & functional outcomes of allograft & autograft Bone-Patellar Tendon-Bone (BPTB) anterior cruciate ligament reconstruction in patients < 30 years old
  - K. Plancher (United States)
  - 11:12 - 11:18
Scientific Programme

FP01-09  Ultrasound imaging improves graft positioning during anterolateral ligament reconstruction in the knee
E. Cavaignac (France)

FP01-10  Combined ACL and anterolateral ligament reconstruction is not associated with a higher risk of adverse outcomes than isolated ACL reconstruction: preliminary results from the SANTI database randomized controlled trial

FP01-11  Extra articular lateral tenodesis in patients with revision anterior cruciate ligament (ACL) reconstruction and high-grade anterior instability

FP01-12  10-year survivorship, patient-reported outcome measures (PROMS) and patient acceptable symptoms state (PASS) of associated anterior cruciate ligament (ACL) reconstruction and extra-articular tenodesis (LET): analysis of 267 consecutive cases

FP01-13  Injury to the anterolateral structures is the most important risk factor for explosive pivot shift in acute ACL-injured knees

FP01-14  Contribution of additional anterolateral structure augmentation to controlling pivot shift in anterior cruciate ligament reconstruction
H. Ueki (Japan)

FP01-15  Elastic and viscoelastic characterization of the anterolateral ligament (ALL) and its reconstruction grafts
S. Claes (Belgium)

Radiology Workshop
10:30 - 12:00
Space 1 - ESA

RW01, MR imaging of the shoulder - What the orthopaedic surgeon should know!

Chairs:
J.-L. Drapé (France)
A. Hirschmann (Switzerland)

RW01-1  Introduction & moderation
J.-L. Drapé (France)
A. Hirschmann (Switzerland)

RW01-2  Rotator cuff
F. Del Grande (Switzerland)

RW01-3  Shoulder instability
J.-L. Drapé (France)

RW01-4  Rotator interval and biceps tendon
A. Blum (France)

RW01-5  Postoperative imaging
N. Saupe (Switzerland)

RW01-6  Discussion & closing
J.-L. Drapé (France)
A. Hirschmann (Switzerland)
Scientific Programme

Keynote Lecture
10:30 - 11:00

KL02, Hip Keynote Lecture - Advances in arthroscopic surgery of the hip

Chairs:
F. Randelli (Italy)
A. Bajwa (United Kingdom)

KL02-1 Advances in arthroscopic surgery of the hip
M. Philippon (United States)
10:30 - 10:50

KL02-2 Discussion
10:50 - 11:00

Free Papers
10:30 - 11:30

FP02, Free Papers - Ankle I - instability

Chairs:
S. Stufkens (Netherlands)
J. Wagener (Luxembourg)

FP02-01 Diagnosing medial ankle instability with gravity stress and weight-bearing ultrasound - establishing natural variations in healthy population
10:30 - 10:36

FP02-02 Chronic Lateral ankle instability; results of anatomic repair with polyester tape augmentation
10:36 - 10:42

FP02-03 Anatomical lateral ligament repair augmented with a suture tape: evaluation of clinical results and magnetic resonance imaging
F. Wenzel-Schwarz (Austria)
10:42 - 10:48

FP02-04 Arthroscopic versus open anatomic repair of the anterior talofibular ligament, which technique provides better functional outcome?
G. Vuurberg (Netherlands)
10:48 - 10:54

FP02-05 The ankle ligamentoplasty - return to sport after injury (ALRSI): a valid scale to quantify psychological readiness to return to sport after ankle ligamentoplasty
10:54 - 11:00

FP02-06 Arthroscopic all-inside lateral ligament repair with non-biological augmentation for chronic ankle instability: clinical results and complications
M. Guelfi (Italy)
11:00 - 11:06

FP02-07 Clinical results of arthroscopic all-inside ligament repair versus arthroscopic Broström for chronic ankle instability
M. Guelfi (Italy)
11:06 - 11:12

FP02-08 A risk-assessment model for chronic ankle instability: which factors need to be addressed?
G. Vuurberg (Netherlands)
11:12 - 11:18

FP02-09 Arthroscopic capsular shrinkage is a suitable option for the treatment of ankle microinstability providing satisfying clinical outcomes up to 9 years from surgery
A. Ventura (Italy)
11:18 - 11:24
FP02-10  Augmented direct anatomical repair vs. lateral ligament reconstruction for the treatment of chronic ankle instability: long term results
A. Ventura (Italy)

11:24 - 11:30

Keynote Lecture
10:30 - 11:00

KL03, ESMA Keynote Lecture - Best prevention of knee injuries in youth football athlete

Chairs:
W. Krutsch (Germany)
A. Lukaszenko (United Arab Emirates)

KL03-1  Best prevention of knee injuries in youth football athlete
A. Ferretti (Italy)

10:30 - 10:50

KL03-2  Discussion

10:50 - 11:00

FP03, Free Papers - ACL and periphery

Chairs:
A. Weiler (Germany)

FP03-01  Combined reconstruction of the anterolateral ligament in patients with ACL injury and ligamentous hyperlaxity leads to better clinical stability and a lower failure rate than isolated ACL reconstruction
C. Helito (Brazil)

10:30 - 10:36

FP03-02  Complication rate of four different technique of anterolateral knee tenodesis associated with anterior cruciate ligament reconstruction

10:36 - 10:42

FP03-03  Augmentation of primary anterior cruciate ligament reconstruction with a modified ilio-tibial band tenodesis, reduces the risk of recurrent ACL rupture & improves patient-scored outcomes, when used to correct a residual pivot shift: a 2-year randomised controlled trial

10:42 - 10:48

FP03-04  Combined reconstruction of ACL and ALL with hamstrings according to a current technique: what is the rate of osteoarthritis at 15 years of mean follow-up?
N. Bouguennec (France)

10:48 - 10:54

FP04-01  Kaplan fibers: anatomic description in the understanding of their participation of anterolateral rotational instability
T. Neri (France)

10:54 - 11:00
Scientific Programme

Instructional Course Lecture
10:30 - 12:00

ICL10, Preoperative planning of primary total knee arthroplasty

Chairs:
N. Kort (Netherlands)
J.F. Salreta (Portugal)

ICL10-1 Basics of 2D planning
C. Fink (Austria)

ICL10-2 Planning of varus and valgus knees in TKA
N. Kort (Netherlands)

ICL10-3 Planning of TKA in extraarticular deformity
B. Violante (Italy)

Workshop with all participants at computers
A. Chen (United States)
P. Orth (Germany)
N. Friederich (Switzerland)

Symposia
11:00 - 11:30

SY02, The role of Women in ESSKA - Reasons for such an initiative, specific goals and future activities

Chairs:
E. Kon (Italy)
E. Arendt (United States)

SY02-1 Short introduction
K. Tecklenburg
D. Dejour (France)

SY02-2 Panel discussion
K. Tecklenburg
E. Arendt (United States)
M. Andersen (Norway)
E. Kon (Italy)
B. Bøe
M. Lind (Denmark)
S. Chubinskaya (United States)
L. Snyder-Mackler (United States)

Partner Symposia - Case Forum
11:00 - 12:00

PS01, ESSKA-ISAKOS symposium: Posterior shoulder instability

Chairs:
L. Kovacic (Slovenia)
E. Calvo (Spain)
PS01-1  The role of glenoid retroversion  C. Rosso (Switzerland)  11:00 - 11:12
PS01-2  Posterior labral lesions without retroversion  G. Arce (Argentina)  11:12 - 11:24
PS01-3  Posterior bone loss  G. Nourissat (France)  11:24 - 11:36
PS01-4  McLaughlin, how do I address it?  A. Calvo (Spain)  11:36 - 11:48
PS01-5  Conservative treatment: The role of neuromuscular control  G. DI Giacomo (Italy)  11:48 - 12:00

Symposia  11:00 - 12:00  Space 2 - Hip

SY03, Peritrochanteric space disorders

Chairs:
F. Randelli (Italy)
B. Lund (Denmark)

SY03-1  Pathogenesis and contemporary diagnoses for lateral hip pain  V. Khanduja (United Kingdom)  11:00 - 11:12
SY03-2  Conservative treatments and biologics for peritrochanteric space disorders  A. Bajwa (United Kingdom)  11:12 - 11:24
SY03-3  Surgical interventions for external snapping hip syndrome  F. Randelli (Italy)  11:24 - 11:36
SY03-4  Arthroscopic management of greater trochanter pain syndrome and abductor tears  D. Lindner (Israel)  11:36 - 11:48
SY03-5  Open gluteal tendon suture and tendon transfer (Whiteside)  P. Christofilopoulos (Switzerland)  11:48 - 12:00

Symposia  11:00 - 12:00  Space 4 - ESMA

SY04, Benefits of braces in prophylaxis and sports rehabilitation

Chairs:
M. Virgolino (Portugal)
A. Tallay (Hungary)

SY04-1  Bandages in competitive football  W. Krutsch (Germany)  11:00 - 11:12
Scientific Programme

SY04-2  Prophylactic braces in handball  11:12 - 11:24
A. Tallay (Hungary)

SY04-3  Prophylactic ankle braces and braces after ankle injuries in basketball  11:24 - 11:36
K. Fehske (Germany)

SY04-4  Braces in extreme and adventure sports  11:36 - 11:48
M. Carmont (United Kingdom)

Symposia
11:00 - 12:00  Amber 1+2

SY05, ESSKA and FORTE Young Surgeon’s Forum - KNEE

Chairs:
T. Bonanzinga (Italy)
M. Bozkurt (Turkey)

SY05-1  When and how to repair a meniscus tear?  11:00 - 11:10
F. Weitz (Finland)

SY05-2  When and how to repair a torn ACL?  11:10 - 11:20
S.S. Ahmad (Germany)

SY05-3  When and how to repair a torn ACL?  11:20 - 11:30
T. Bonanzinga (Italy)

SY05-4  When and how to reconstruct the MPFL?  11:30 - 11:40
F. Iranpour

SY05-5  When and how to do a high tibial osteotomy?  11:40 - 11:50

SY05-6  Alignment in TKA – Mechanical, anatomical, kinematic  11:50 - 12:00
C. Riviere (United Kingdom)

Free Papers
11:30 - 12:00  Gold Plenary

FP04, Free Papers - ACL and meniscus

Chairs:
M. Andersen (Norway)
K. Tecklenburg

FP04-01  Meniscus repair does not result in an inferior short-term outcome compared with meniscus resection: an analysis of 5,378 patients with primary anterior cruciate ligament reconstruction  11:30 - 11:36
R. Cristiani (Sweden)

FP04-02  Incidence and healing rates of meniscal tears in patients undergoing repair during the first-stage of two-stage revision ACL reconstruction  11:36 - 11:42
Scientific Programme

FP04-03 Healing status of meniscal ramp lesion affects anterior knee stability after ACL reconstruction  
K. Hatayama (Japan)

FP04-04 Lateral meniscus tear is risk of residual pivot shift one year after double-bundle ACL reconstruction: case-cohort study

FP04-05 Contamination of suture material and irrigation fluid over time during arthroscopic reconstruction of the anterior cruciate ligament (primary and revision) and meniscus surgery

Keynote Lecture  
11:30 - 12:00

KL04, EKA Keynote Lecture  
Chairs:  
L. de Girolamo (Italy)  
E. Alentorn-Geli (Spain)

KL04-1 Stem cell treatment – What is fashion, what is science?  
P. Niemeyer (Germany)

KL04-2 Discussion

KL05, AFAS Keynote Lecture - How has the understanding of ankle anatomy influenced surgery over the last 20 years?  
Chairs:  
C. Pearce (United Kingdom)  
N. van Dijk (Netherlands)

KL05-1 How has the understanding of ankle anatomy influenced surgery over the last 20 years?  
M. Dalmau-Pastor (Spain)

KL05-2 Discussion

Lunch Workshops  
12:15 - 13:15

Corporate Symposia

Lunch Workshops  
12:15 - 13:15

Corporate Symposia
19th ESSKA Congress,
11 - 14 May 2021,
Milano, Italy

Scientific Programme

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

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Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia
Meetings
12:30 - 13:30
Gold View Lounge

**ME02, Newbies Meet & Greet**

Highlight Lecture
14:00 - 14:30
Gold Plenary

**HL03, The challenge of treating knee injuries in professional alpine skiing - A journey from arthroscopy to total knee replacement**

**Chairs:**
K. Samuelsson (Sweden)
R. Marx

**HL03** The challenge of treating knee injuries in professional alpine skiing - A journey from arthroscopy to total knee replacement
C. Fink (Austria)

Symposia
14:00 - 15:00
Auditorium

**SY06, Orthobiologics today in Europe: New stars on the catwalk**

**Chairs:**
L. de Girolamo (Italy)
E. Kon (Italy)

**SY06-1** What is the clinical evidence?
P. Angele (Germany)

**SY06-2** Scientist point of view
D. Hudetz (Croatia)

**SY06-3** Prêt-à-porter cells
K. Slynarski (Poland)

**SY06-4** Tailored cell solutions
N. Nakamura (Japan)

**SY06-5** Tomorrow’s world: The latest fashion and style trends
A. Marmotti (Italy)

**SY06-6** The dictates of fashion: ESSKA's perspective on orthobiologics
L. Laver

Keynote Lecture
14:00 - 14:30
Brown 3 - EKA

**KL06, EKA Keynote Lecture - Tips and tricks of the medial and lateral UKA**

**Chairs:**
U. Butt (Pakistan)
19th ESSKA Congress,  
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Scientific Programme

KL06-1  
Tips and tricks of the medial and lateral UKA  
P. Aldinger (Germany)  
14:00 - 14:20

KL06-2  
Discussion  
14:20 - 14:30

Symposia  
14:00 - 15:00  
Brown 1+2

SY07, Demystifying Baker's cyst

Chairs:  
S. Kopf (Germany)  
S.S. Ahmad (Germany)

SY07-1  
Pathomechanisms, clinical symptoms and complications of Baker's cysts  
D. Meuffels (Netherlands)  
14:00 - 14:12

SY07-2  
Conservative treatment of Baker's cysts  
E. Inderhaug (Norway)  
14:12 - 14:24

SY07-3  
Open surgical treatment of Baker's cysts  
A. Kröl (Switzerland)  
14:24 - 14:36

SY07-4  
Arthroscopic treatment of Baker's cysts  
S.H. Lee (Korea, Republic of)  
14:36 - 14:48

SY07-5  
Baker's cysts after total knee arthroplasty: Results after 1 and 5 years  
S. Kopf (Germany)  
14:48 - 15:00

Affiliated Symposia - Debates  
14:00 - 15:00  
Space 1 - ESA

AS01, Affiliated society symposium: Shoulder surgery - what I learned from my worst case

Chairs:  
P. Heuberer (Austria)  
F. Soler-Romagosa (Spain)

AS01-1  
AGA - Society for Arthoscopy and Joint Surgery (Gesellschaft für Arthroskopie und Gelenkchirurgie)  
P. Heuberer (Austria)  
14:00 - 14:07

Discussion  
14:07 - 14:10

AS01-2  
GOTS - Society for Orthopaedic and Traumatologic Sports Medicine (Gesellschaft für Orthopädisch-Traumatologische Sportmedizin)  
T. Tischer  
14:10 - 14:17

Discussion  
14:17 - 14:20

AS01-3  
SES - Shoulder and Elbow Society of Serbia  
I. Medenica (Serbia)  
14:20 - 14:27

Discussion  
14:27 - 14:30
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**AS01-4**  
SIAGASCOT  
G. Di Giacomo (Italy)  
14:30 - 14:37

Discussion  
14:37 - 14:40

**AS01-5**  
PTA - Polish Society of Arthroscopy (Polskie Towarzystwo Artroskopowe)  
14:40 - 14:47

Discussion  
14:47 - 14:50

**AS01-6**  
AEA - Spanish Arthroscopy Association / Asociación Española de Artroscopia  
F. Soler-Romagosa (Spain)  
14:50 - 14:57

Discussion  
14:57 - 15:00

Free Papers  
14:00 - 15:00  
Space 2 - Hip

**FP05, Free Papers - Hip arthroscopy I**

**FP05-01**  
Hip arthroscopy in borderline dysplastic hips - correlation between radiologic findings and clinical short-term outcome  
A. Zimmerer (Germany)  
14:00 - 14:06

**FP05-02**  
Long-term follow-up (6-13 years) after hip arthroscopy for patients with femoroacetabular impingement syndrome with patient reported outcomes and radiological findings  
14:06 - 14:12

**FP05-04**  
Prior hip arthroscopy for hip osteoarthritis is associated with increased risk for revision after total hip arthroplasty  
14:12 - 14:18

**FP05-05**  
Long-term survivorship following hip labral reconstruction  
14:18 - 14:24

**FP05-06**  
Does sensitization and pain catastrophizing influence the reported pain after hip arthroscopy?  
14:24 - 14:30

**FP05-07**  
The effect of age on outcomes following isolated acetabuloplasty for femoroacetabular impingement: a matched-pair analysis  
14:30 - 14:36

**FP05-08**  
The association between range of motion and cam morphology in people with long-standing hip and groin pain: a cross-sectional study  
A. Estberger (Sweden)  
14:36 - 14:42

**FP05-09**  
The prevalence of femoral version and tibial torsion abnormalities in adults presenting with hip pain: the case for femoral anteversion being compensatory for external tibial torsion  
14:42 - 14:48

**FP06-01**  
Arthroscopic versus open surgical reduction for developmental dysplasia of the hip in patients under 18 months of age  
14:48 - 14:54
Scientific Programme

Symposia
14:00 - 15:00

SY08, Extracorporeal shockwave therapy for musculoskeletal disorders

Chairs:
H. Lohrer
N. Malliaropoulos

SY08-1  ESWT paradigms change over time
H. Lohrer
14:00 - 14:15

SY08-2  Individualised prescription of radial ESWT in muscle and tendon injuries
N. Malliaropoulos
14:15 - 14:30

SY08-3  Effectiveness of ESWT in lower limb tendinopathies
V. Korakakis (Greece)
14:30 - 14:45

SY08-4  ESWT for disturbed bone healing
14:45 - 15:00

Free Papers
14:00 - 15:00

FP06, Free Papers - ACL: Return to sport I

Chairs:
A. Albasini
K. Gravare Silbernagel (United States)

FP06-01  Less than half of ACL-reconstructed athletes are cleared for return to play based on practice guideline criteria: results from a prospective cohort study
N. van Melick (Netherlands)
14:00 - 14:06

FP06-02  Biomechanical assessment for the return to sport after ACL injury: wearable inertial sensors vs marker-based motion capture
S. Zaffagnini (Italy)
14:06 - 14:12

FP06-03  Return to sport criteria fail to identify patients who are at risk for second ACL injury
W. Welling (Netherlands)
14:12 - 14:18

FP06-04  The effect of early residual laxity after ACL reconstruction on return to sports, risk of graft failure and long-term outcome
L. Lindanger (Norway)
14:18 - 14:24

FP06-05  Higher rates of return to sport and competitive level when a specialized intervention is post-ACLR compared to pre-ACLR
14:24 - 14:30

FP06-06  Return to play in paediatric & adolescent patients following anterior cruciate ligament reconstruction
C.J. Kilkenny (Ireland)
14:30 - 14:36

FP06-07  Return to sports following ACL reconstruction: prospective analysis of functional stability 3 months postoperatively in 280 patients
14:36 - 14:42
Scientific Programme

**FP06-08**  Knee function and psychological readiness for return to sport 6 months after ACL reconstruction  
S. Salatkaitė (Lithuania)  
**FP06-09**  Achievement of successful return to sport after anterior cruciate ligament reconstruction is dependent upon patient goals  
A.G.H. Faleide (Norway)  
**FP06-10**  Ability of a standardised post-operative testing program to determine ACL reconstruction re-rupture in athletes who returned to sport

Free Papers  
14:00 - 15:00  
Amber 1+2

**FP07, Free Papers - Arthroplasty I**

**Chairs:**
R. Compagnoni (Italy)  
M. Engl (Italy)

**FP07-01**  Posterior cruciate ligament resection in total knee arthroplasty: the effect on flexion-extension gaps, mediolateral laxity, and fixed flexion deformity  
S. Singh (United Kingdom)  
**FP07-02**  More press-fit does not increase primary stability in cementless tibial TKA components

**FP07-03**  Cemented versus uncemented femoral components: a randomized control trial at 10 years minimum follow-up

**FP07-04**  Posterior condylar offset ratio and component flexion more precisely reconstructed with robotic arm-assisted total knee arthroplasty when compared to conventional manual technique

**FP07-05**  Knee kinematics after cruciate retaining highly congruent mobile bearing total knee arthroplasty: an in vivo dynamic RSA study  
G.M. Marcheggiani Muccioli (Italy)

**FP07-06**  Multi-Radius posterior-stabilized rotating-platform total knee arthroplasty partially restores in-vivo screw-home movement during activity of daily living and high demanding motor task  
G.M. Marcheggiani Muccioli (Italy)

**FP07-07**  Changes of mediolateral gaps in total knee arthroplasty with everted, lateralized or reduced patella

**FP07-08**  One year clinical outcomes of a novel predictive ligament balancing technique for total knee arthroplasty (TKA)

**FP07-09**  Does a medial pivot knee prosthesis improve clinical results? Results of a prospective randomized trial

**FP07-10**  A prospective comparative study investigating the clinical results of medial pivot, cruciate retaining fixed insert, cruciate substituting mobile insert primary total knee arthroplasty designs
Sciatic Programming

Instructional Course Lecture
14:00 - 15:30

ICL11, Preoperative planning of high tibial osteotomy

Chairs:
M. Ettinger (Germany)

ICL11-1 Planning of medial opening wedge HTO
S. Schröter (Germany)

ICL11-2 Planning of lateral closing wedge HTO
S. Schröter (Germany)

ICL11-3 Planning of distal femoral osteotomy
S. Schröter (Germany)

ICL11-4 Workshop with all participants at computers
K. Kley (Germany)
F. Dyrna (Germany)
K. Nagai (Japan)

Symposia
14:30 - 15:30

SY09, ACL reconstruction using quad tendon - All you need to know

Chairs:
D. Slullitel
V. Musahl (United States)

SY09-1 Double bundle reconstruction with quad tendon graft
V. Musahl (United States)

SY09-2 Quadriceps tendon: Anatomical details for proper harvesting
I. Hetsroni (Israel)

SY09-3 Quad tendon with or without bone block
M. Herbort (Germany)

SY09-4 Quad tendon outcomes and failures in the long-term follow-up
D. Slullitel

SY09-5 Why should the quadriceps tendon be the gold standard for ACL reconstruction?
P. Gelber (Spain)

Symposia
14:30 - 15:30

SY10, EKA - How to do a good UKA?

Chairs:
J.F. Salreta (Portugal)
P. Neyret (Spain)
Scientific Programme

SY10-1  How to find the optimal Indication?  14:30 - 14:40
T. Beyzadeoglu (Turkey)

SY10-2  How to choose the best implant?  14:40 - 14:50
A. Franz (Germany)

SY10-3  What is the best LIA cocktail?  14:50 - 15:00
P. Skowronek (Poland)

SY10-4  Surgical pitfalls in medial UKA  15:00 - 15:10
A. Halder (Germany)

SY10-5  Surgical pitfalls in lateral UKA  15:10 - 15:20
M. Pietsch (Austria)

SY10-6  What does customised UKA add?  15:20 - 15:30
W. Fitz (United States)

Affiliated Symposia - Debates
15:00 - 16:00  Auditorium

AS02, Affiliated society symposium: Sports injury prevention programs in ESSKA countries

Chairs:
P. Hoelmich (Denmark)
N. Nicolaou (United Kingdom)

AS02-1  SFAIM - Swedish Society of Exercise and Sports Medicine (Svensk Förening för Fysisk Aktivitet och Idrottsmedicin)  15:00 - 15:07
M. Waldén

J. Cabri (Luxembourg)

AS02-3  BOSTAA - British Orthopaedic Association  15:14 - 15:21
N. Nicolaou (United Kingdom)

AS02-4  SAKS - Danish Society for Arthroscopic Surgery and Sports Traumatology (Dansk Selskab for Artroskopisk Kirurgi og Sportstraumatologi - SAKS)  15:21 - 15:28
P. Hoelmich (Denmark)

AS02-5  Israeli Society of Knee Surgery and Arthroscopy (ISKSA) Hip  15:28 - 15:35
D. Lindner (Israel)

AS02-6  NAA - Norwegian Arthroscopy Association (Norsk Artroskopiforening - NAF)  15:35 - 15:42
M. Andersen (Norway)

AS02-7  Discussion  15:42 - 16:00
**Scientific Programme**

Affiliated Symposia - Debates
15:00 - 16:00

**AS03, Arthrofibrosis of the knee - myths and facts**

**Chairs:**
W. Petersen (Germany)
R. Hube (Germany)

**AS03-1** Intra- and extra articular cause for knee joint stiffness
T. Tischer

**AS03-2** Role of infection for the development of arthrofibrosis
W. Petersen (Germany)

**AS03-3** Technique of arthroscopic arthrolysis

**AS03-4** Management of arthrofibrosis after total knee joint replacement: Causes, closed manipulation, arthrolysis
R. Khakha (United Kingdom)

**AS03-5** Open arthrolysis for posttraumatic knee joint stiffness
J. Zellner (Germany)

Symposia
15:00 - 16:00

**SY11, Pulley lesions: What it means and how to treat them**

**Chairs:**
F. Martetschläger (Germany)
J. Barth

**SY11-1** Pathoanatomy and an updated classification of pulley lesions
F. Martetschläger (Germany)
15:00 - 15:15

**SY11-2** Clinical and radiological diagnosis of pulley lesions - How do we find them?
M.F. Saccomanno (Italy)
15:15 - 15:30

**SY11-3** Pulley reconstruction: Is there a way to keep the biceps?
O. Lorbach (Germany)
15:30 - 15:45

**SY11-4** Pulley lesions and RC tears: Always treat the biceps!
E. Antonogiannakis (Greece)
15:45 - 16:00

Symposia
15:00 - 16:00

**SY12, Pain management strategies in hip arthroscopy**

**Chairs:**
O. Ayeni (Canada)
T. Menge (United States)
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Scientific Programme

SY12-1  The role of peripheral nerve blocks in hip arthroscopy  15:00 - 15:12
B. Lund (Denmark)

SY12-2  Multi-modal pain management: Strategies to reduce narcotic use  15:12 - 15:24
T. Menge (United States)

SY12-3  Local anesthetic infiltration & intra-articular injections  15:24 - 15:36
G.D. Dumont (United States)

SY12-4  Surgical considerations and tips to reduce pain  15:36 - 15:48
A. Papavasiliou (Greece)

SY12-5  Post-operative rehabilitation & DME  15:48 - 16:00
A. Sarmento (Portugal)

Symposia
15:00 - 16:00

SY13, New trends in treatment of Achilles tendon disorders

Chairs:
N. van Dijk (Netherlands)
L. Weisskopf (Switzerland)

SY13-1  Prediction of outcome of treatment in Achilles tendinopathy and rupture based on genetics and inflammatory markers.  15:00 - 15:12
P. Ackermann (Sweden)

SY13-2  What is orthobiologics and why should we bother?  15:12 - 15:24
M. Carmont (United Kingdom)

SY13-3  Stem cells and pericytes – Is it the biological breakthrough?  15:24 - 15:36
C.D. Murawski (United States)

SY13-4  The use of ultrasonography to individualise treatment in patients with acute Achilles tendon rupture  15:36 - 15:48
K. Barfod (Denmark)

SY13-5  Achilles tendon disorders - Current and future surgical treatment  15:48 - 16:00
L. Weisskopf (Switzerland)

Symposia
15:00 - 16:00

SY14, What is the evidence - PRP?

Chairs:
A. Gobbi (Italy)
N. Maffulli (United Kingdom)

SY14-1  PRP - We have all data we need  15:00 - 15:12
R. Cugat (Spain)
Scientific Programme

SY14-2  PRP - We need to know more  G. Filardo (Italy)  15:12 - 15:24
PPR in sports: Clinical experience tips and tricks

SY14-3  Knee joint  M. Sánchez (Spain)  15:24 - 15:36

SY14-4  Tendons  M.T. Pereira Ruiz (Italy)  15:36 - 15:48

SY14-5  Muscle  M.T. Pereira Ruiz (Italy)  15:48 - 16:00

Symposia
15:00 - 16:00  Amber 1+2

SY15, ESSKA Young Surgeon`s Forum: How to succeed as a resident in 2020?

Chairs:
A. Imhoff (Germany)
A. Voss

SY15-1  What does it take to become an orthopaedic surgeon?  A. Imhoff (Germany)  15:00 - 15:10

SY15-2  How to find a good mentor for your residency and as a young researcher?  E. Alentorn-Geli (Spain)  15:10 - 15:20

SY15-3  Burnout self-report in Latin-American orthopaedic surgeons  M. Contreras (Chile)  15:20 - 15:30

SY15-4  Work-life balance  M. Karahan (Turkey)  15:30 - 15:40

SY15-5  Research during residency - A reasonable way  A. Voss  15:40 - 15:50

SY15-6  Simulator training arthroscopy - The next level  H. Anetzberger (Germany)  15:50 - 16:00

Highlight Lecture
15:30 - 16:00  Gold Plenary

HL04, Biomaterials and innovative tissue technologies for knee repair

Chairs:
S. Nehrer (Austria)
P. Niemeyer (Germany)

HL04  Biomaterials and innovative tissue technologies for knee repair  15:30 - 16:00
D. Saris (United States)
Scientific Programme

Keynote Lecture
15:30 - 16:00

**KL07, EKA Keynote Lecture - Deformity correction in knee arthroplasty**

**Chairs:**
- A. Chen (United States)
- B. Violante (Italy)

**KL07-1** Deformity correction in knee arthroplasty 15:30 - 15:50
A. Mullaji (India)

**KL07-2** Discussion 15:50 - 16:00

Symposia
16:30 - 17:30

**SY16, Common practice versus expert opinion on PLC injuries. Presentation of the ESSKA Knee Collateral Ligament Working Group world survey and expert consensus statement**

**Chairs:**
- P. Gelber (Spain)
- R. Kuroda (Japan)

**SY16-1** Introduction and welcome 16:30 - 16:32
P. Gelber (Spain)

**SY16-2** How did we do it? 16:32 - 16:37
B. Barenius (Sweden)

**SY16-3** Diagnosis and classification 16:37 - 16:47
T. Tischer

**SY16-4** What surgical techniques 16:47 - 16:57
P. Gelber (Spain)

**SY16-5** Treatment & timing 16:57 - 17:07
N. Pujol (France)

**SY16-6** Can we do it arthroscopically 17:07 - 17:12
K.-H. Frosch (Germany)

**SY16-7** Do we add an osteotomy? 17:12 - 17:17
J. Robinson (United Kingdom)

**SY16-8** Rehabilitation 17:17 - 17:25
M. Leyes (Spain)
### SY17, Meniscal repair: From A to Z

**Chairs:**
A. Price (United Kingdom)  
C. Hulet (France)

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Time</th>
<th>Chair(s)</th>
</tr>
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<tr>
<td>SY17-1</td>
<td>All inside technique for meniscal repair</td>
<td>16:30 - 16:40</td>
<td>N. Pujol (France)</td>
</tr>
<tr>
<td>SY17-2</td>
<td>Inside-out technique for meniscal repair</td>
<td>16:40 - 16:50</td>
<td>P. Thompson</td>
</tr>
<tr>
<td>SY17-3</td>
<td>Outside-in technique for meniscal repair</td>
<td>16:50 - 17:00</td>
<td>S. Kaesermann (Switzerland)</td>
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<tr>
<td>SY17-4</td>
<td>How to repair a bucket handle meniscal tear</td>
<td>17:00 - 17:10</td>
<td>M. Hantes</td>
</tr>
<tr>
<td>SY17-5</td>
<td>Repair of meniscal ramp lesions</td>
<td>17:10 - 17:20</td>
<td>M. Feucht (Germany)</td>
</tr>
<tr>
<td>SY17-6</td>
<td>Meniscal root repair</td>
<td>17:20 - 17:30</td>
<td>M. Snow (United Kingdom)</td>
</tr>
</tbody>
</table>

### SY18, EKA AAHKS symposium: Primary TKA in 2020

**Chairs:**
N. Kort (Netherlands)  
M.P. Bolognesi (United States)

<table>
<thead>
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<th>Session</th>
<th>Title</th>
<th>Time</th>
<th>Chair(s)</th>
</tr>
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<tr>
<td>SY18-1</td>
<td>Peri- and post-operative patient optimisation in TKA</td>
<td>16:30 - 16:42</td>
<td>J. Hooper (United States)</td>
</tr>
<tr>
<td>SY18-2</td>
<td>Knee phenotypes - Alignment in TKA: Mechanical, kinematic or individualised?</td>
<td>16:42 - 16:54</td>
<td>M.T. Hirschmann (Switzerland)</td>
</tr>
<tr>
<td>SY18-3</td>
<td>Measured resection vs. gap balancing TKA: Don’t we all balance the gaps?</td>
<td>16:54 - 17:06</td>
<td>H. Windhagen (Germany)</td>
</tr>
<tr>
<td>SY18-4</td>
<td>Modern technologies help to decrease the level of constraint in primary TKA</td>
<td>17:06 - 17:18</td>
<td>P.F. Indelli (United States)</td>
</tr>
<tr>
<td>SY18-5</td>
<td>Robotics in TKA: Are we ready?</td>
<td>17:18 - 17:30</td>
<td>M.P. Bolognesi (United States)</td>
</tr>
</tbody>
</table>
Free Papers
16:30 - 17:30

FP08, Free Papers - ACL: Primary repair

Chairs:
J.P. van der List (Netherlands)

FP08-01  2-year results of a prospective randomized trial comparing ACL repair to reconstruction in acute ACL injury  16:30 - 16:36

FP08-02  Randomized controlled trial of an osteoconductive scaffold positioned to augment graft incorporation after ACL-reconstruction - interim analysis  16:36 - 16:42

FP08-03  Augmentation of anterior cruciate ligament repair with internal bracing of the anterolateral ligament: low failure rate at two years  16:42 - 16:48

FP08-04  Dynamic intraligamentary stabilization achieves seventy percent survival of the repaired ACL after a minimum follow-up of 5-years  16:48 - 16:54

FP08-05  Anterior cruciate ligament preservation: a 2-year follow up of 38 patients after arthroscopic ACL Suture Anchor Repair.  16:54 - 17:00

J. Holz (Germany)

FP08-06  The role of age on failure rates and outcomes following arthroscopic primary repair of proximal anterior cruciate ligament tears  17:00 - 17:06

J.P. van der List (Netherlands)

FP08-07  High complication rate following dynamic intraligamentary stabilization for primary repair of the anterior cruciate ligament  17:06 - 17:12

FP08-08  Anterior cruciate ligament repair with suture tape augmentation: minimum 2-year patient-reported outcome measures  17:12 - 17:18

G. Hopper (United Kingdom)

FP08-09  Quantification of the regional strain distribution in the anterior cruciate ligament in response clinically relevant loading  17:18 - 17:24

FP08-10  Does the wear pattern on a radiograph of an osteoarthritic knee correlate with the presence or absence of an anterior cruciate ligament  17:24 - 17:30

Symposia
16:30 - 17:30

SY19, Tendon transfers in irreparable rotator cuff tears

Chairs:
E. Gervasi
B. Toussaint (France)

SY19-1  Posterosuperior cuff tears: Latissimus dorsi transfer  16:30 - 16:45

E. Gervasi

SY19-2  Posterosuperior cuff tears: Lower trapezius transfer  16:45 - 17:00

E. Calvo (Spain)

SY19-3  Subscapularis tear: Pectoralis major transfer  17:00 - 17:15

G. Marchi (Italy)
Scientific Programme

SY19-4  Subscapularis tear: Latissimus dorsi transfer  
V. Jermolajevas (Lithuania)  
17:15 - 17:30

Free Papers  
16:30 - 17:30  
Space 2 - Hip

FP09, Free Papers - ACL I  
Chairs:  
P. Volpi (Italy)  
T. Järvelä (Finland)

FP09-01  ACL tibial tunnel placement: an analysis of the intended versus achieved position for 112 international high-volume ACL surgeons  
16:30 - 16:36

FP09-02  Quadriceps tendon- vs. Hamstring Tendon Autograft in Primary Anterior Cruciate Ligament Reconstructing: a matched-paired study with a mean follow-up of 71 month  
A. Runer (Austria)  
16:36 - 16:42

FP09-03  Tibiofemoral radiographic and symptomatic osteoarthritis 32-37 years following acute ACL injury  
J. Kvist (Sweden)  
16:42 - 16:48

FP09-04  All-inside versus AM-portal technique for anterior cruciate ligament reconstruction: 2-year results from a prospective randomized controlled study  
E. Inderhaug (Norway)  
16:48 - 16:54

FP09-05  Primary ACL reconstruction in over 40 years old patients: allo- versus auto-graft, a retrospective matched-pair study  
16:54 - 17:00

FP09-06  Healthy knee KT1000 measurements of anterior tibial translation have significant variation  
A. Klasan (New Zealand)  
17:00 - 17:06

FP09-07  Cutaneous and neurological complications of anterior cruciate ligament (ACL) reconstruction with Quadriceps Tendon (QT), Bone Patellar-Tendon Bone (BPTB) or Hamstring Tendon (HT)  
E. Cavaignac (France)  
17:06 - 17:12

FP09-08  Pre-soaking of semitendinosus grafts with vancomycin does not alter its biomechanical properties. A biomechanical in-vitro controlled study using graft from living donors  
17:12 - 17:18

FP09-09  Validation of dynamic ultrasound imaging in partial and complete anterior cruciate ligament tears  
17:18 - 17:24

FP09-10  Anatomical single-bundle anterior cruciate ligament reconstruction with rectangular bone tunnel results in improved stability as compared to conventional round tunnel technique: a two-year follow-up study  
17:24 - 17:30
Scientific Programme

Symposia
16:30 - 17:30

**SY20, Fusion in the foot and ankle in sports - What is possible?**

**Chairs:**
D. Haverkamp (Netherlands)
P. Spennacchio

**SY20-1**  
**Foot and ankle joint motion during common sports: A kinematic perspective**  
16:30 - 16:42

**SY20-2**  
**Ankle arthrodesis and sports recovery: What can be expected?**  
G. Kerkhoffs (Netherlands)  
16:42 - 16:54

**SY20-3**  
**Subtalar fusion and sports recovery: What can be expected?**  
N. van Dijk (Netherlands)  
16:54 - 17:06

**SY20-4**  
**Midfoot (Lisfranc) fusion and sports recovery: What can be expected?**  
A. Kynsburg  
17:06 - 17:18

**SY20-5**  
**Forefoot (Great Toe) fusion and sports recovery: What can be expected?**  
D. Marsland (United Kingdom)  
17:18 - 17:30

Symposia
16:30 - 17:30

**SY21, Football medicine research - An update**

**Chairs:**
W. Krutsch (Germany)
J. Ekstrand

**SY21-1**  
**ACL treatment in football players - An update**  
G. Basdekis (Greece)  
16:30 - 16:42

**SY21-2**  
**Cartilage treatment in football players - An update**  
M. Berruto (Italy)  
16:42 - 16:54

**SY21-3**  
**Rehab strategies after football injuries - An update**  
S. Della Villa (Italy)  
16:54 - 17:06

**SY21-4**  
**Return to play after football injuries - An update**  
J. Ekstrand  
17:06 - 17:18

**SY21-5**  
**Retired football players - An update**  
K. Eriksson (Sweden)  
17:18 - 17:30
FP10, Free Papers - Arthroplasty II

FP10-01 Bi-unicondylar arthroplasty: improved biomechanical efficiency compared to total knee arthroplasty
O. Dandridge (United Kingdom) 16:30 - 16:36

FP10-02 Smartphone gait analysis and patient specific follow up: a novel use of a smartphone markerless motion capture system for remote patient outcome
A. Brivio (Italy) 16:36 - 16:42

FP10-03 Knee proprioception does not affect outcomes in total knee replacement. Unicompartimental versus total knee replacement. A comparative study
E. Franceschetti (Italy) 16:42 - 16:48

FP10-04 Longitudinal follow-up of functional results and knee flexion after Physica ZUK unicompartmental knee replacement
16:48 - 16:54

FP10-06 Unicompartimental Knee Arthroplasty (UKA) has a relatively high revision rate: why does it happen and how should we manage it?
16:54 - 17:00

FP10-07 Return to running after total joint (ReJoin)
B. Antonelli (United States) 17:00 - 17:06

FP10-08 Monocentric, prospective, randomized controlled trial of total knee arthroplasty with the robotic arm assisted system compared to conventional total knee arthroplasty by mechanical ancillary
R. Pailhe (France) 17:06 - 17:12

FP10-09 Survivorship of a 3D-printed patient-specific total knee arthroplasty device at minimum 2-year follow-up
B. Antonelli (United States) 17:12 - 17:18

FP10-10 Sensor-guided medial pivot total knee arthroplasty: a comparative study
17:18 - 17:24
Scientific Programme

**AW01-03**  Comparison of hip joint torques related to table tennis strokes: an indicator for early coxopathy? A preliminary study  P. Thoreux (France)  16:42 - 16:48

**AW01-04**  3D analysis of lower limb anatomy: Normal values for joint angles and alignment  J. Fürmetz (Germany)  16:48 - 16:54

**AW01-05**  Anteromedial instability of the knee: A biomechanical analysis  G. Wierer (Austria)  16:54 - 17:00

**AW01-06**  The effect of blood-derived products on a regenerative potential of adipose-derived stem cells originated from three different fat locations  M. Neubauer (Austria)  17:00 - 17:06

**AW01-07**  Quantitative assessment of static and dynamic knee instability after an ACL tear using inertial sensors  C. Yiannakopoulos (Greece)  17:06 - 17:12

**AW01-08**  Return to sport after arthroscopic treatment of posterior shoulder instability  A. Pavlik (Hungary)  17:12 - 17:18

**AW01-09**  Reconstruction or primary non-operative treatment for anterior cruciate ligament rupture? A multi-center randomised trial  V. Eggerding (Netherlands)  17:18 - 17:24

**AW01-10**  The development of CAM morphology during adolescence: A longitudinal cohort of 228 elite footballers and controls  S. Fernquest  17:24 - 17:30

**Awards**  17:30 - 18:30  Gold Plenary

**AW02, Star Paper Session**

**Chairs:**  J.C. Monllau (Spain)  W. Van der Merwe (South Africa)

**STAR01**  Is a positive tibial spine sign a contraindication for medial unicompartmental knee arthroplasty?  W. Waldstein (Austria)  17:30 - 17:40

**STAR02**  Axial load induces high distraction forces on the posterior meniscal roots  E. Herbst (Germany)  17:40 - 17:50

**STAR03**  Ten-year results from a randomized comparison study between tendon repair and physiotherapy for small and medium-sized rotator cuff tears  S. Moosmayer (Norway)  17:50 - 18:00

**STAR04**  High number of ACL injuries after the summer break in team ball sports  C. Mouton (Luxembourg)  18:00 - 18:10
Scientific Programme

STAR05  Arthroscopic repair compared to physical therapy for symptomatic acetabular labral tears in patients age 40 and over: a randomized controlled trial (RCT)
S. Martin (United States)

STAR06  Cooled radiofrequency ablation demonstrates greater effectiveness and equivalent safety compared to a single injection of hyaluronic acid for chronic knee pain management: a prospective, multi-center, randomized, clinical trial
A. Chen (United States)

Symposia
17:30 - 18:30  Auditorium

SY22, Root lesion management - From A to Z
Chairs:
H. Koga (Japan)
M. Clatworthy (New Zealand)

SY22-1  Anatomy of the posterior meniscal root
A. Achtnich (Germany)

SY22-2  Suturing of lateral meniscus root lesion - How do I do that and why?
M. Karahan (Turkey)

SY22-3  Suturing of lateral meniscus root lesion - How do I do that and why?
S. Kopf (Germany)

SY22-4  Suturing of medial meniscus root lesion - How do I do that and why?
W. Petersen (Germany)

SY22-5  Suturing of medial meniscus root lesion - How do I do that and why?
J. Robinson (United Kingdom)

Symposia
17:30 - 18:30  Brown 3 - EKA

SY23, EKA - Patellofemoral alignment in knee arthroplasty
Chairs:
R. El Attal (Austria)
A. Schiavone Panni (Italy)

SY23-1  Influence of patellofemoral alignment on implant survival - RCT and Registry data
M. Liebensteiner (Austria)

SY23-2  Native patellofemoral anatomy and alignment and implications to arthroplasty
P. Erasmus (South Africa)
Scientific Programme

SY23-3  Influence of coronal and torsional alignment on patellofemoral alignment in TKA
M. Marullo (Italy)  17:50 - 18:00

SY23-4  Patella height - Baja/alta - Joint line
G. Demey (France)  18:00 - 18:10

SY23-5  What about torsion?
J. Dickschas (Germany)  18:10 - 18:20

SY23-6  Patellofemoral resurfacing
C. Zorzi (Italy)  18:20 - 18:30

Symposia
17:30 - 18:30 Brown 1+2

SY24, Knee dislocations - State-of-the-art management
Chairs:
R. Marx
V. Madonna (Italy)

SY24-1  Imaging and classification of the dislocated knee
R.Ø. Steen (Norway)  17:30 - 17:42

SY24-2  Suture repair, bracing, and/or reconstruction? The right treatment in the right setting
K.-H. Frosch (Germany)  17:42 - 17:54

SY24-3  The role of HTO in secondary treatment of the multiligamentous injured knee
D. Guenther (Germany)  17:54 - 18:06

SY24-4  Graft options in the multiligamentous injured knee
T. Pfeiffer (Germany)  18:06 - 18:18

SY24-5  Return to play after knee dislocations - Regimes and realistic time frames
G. Moatshe  18:18 - 18:30

Free Papers
17:30 - 18:30  Space 1 - ESA

FP11, Free Papers - Shoulder - Rotator cuff I
Chairs:
A. Castagna (Italy)
M. Lipina (Russian Federation)

FP11-01  Can we trust the hourglass biceps test? Prospective correlation study between a preoperative hourglass biceps test and intra-articular diameter of the intraoperative biceps  17:30 - 17:36
Scientific Programme

FP11-02  Augmentation of massive rotator cuff tear (MRCT) with long head of biceps tendon (LHBT) permits immediate passive mobilization and good mid-term clinical and radiological outcome  
A. Boutsiadis (Greece)  
17:36 - 17:42

FP11-03  Delayed injection of Leukocyte-Rich Platelet Rich Plasma (LR-PRP) following rotator cuff repair reduces fatty atrophy progression: a randomised double-blind controlled trial  
M. Snow (United Kingdom)  
17:42 - 17:48

FP11-04  Efficacy of micro-fragmented lipoaspirate tissue in arthroscopic rotator cuff repair  
17:48 - 17:54

FP11-05  Superior capsule reconstruction: inferior results with xenografts  
17:54 - 18:00

FP11-06  The results of a subacromial spacer- inspace balloon in patients with irreparable rotator cuff tears  
18:00 - 18:06

FP11-07  Functional and MRI outcomes of superior capsule reconstruction with acellular dermal matrix  
18:06 - 18:12

FP11-08  Arthroscopic superior capsular reconstruction with acellular porcine dermal xenograft for the treatment of massive irreparable rotator cuff tears  
M. Polacek (Norway)  
18:12 - 18:18

FP11-09  Validation of a computer tablet software for quantification of scapular dyskinesis  
T. Totlis (Greece)  
18:18 - 18:24

FP11-10  Effect of shockwave therapy on the mechanical and structural outcome after repair of rodent chronic rotator cuff tears  
X. Feichtinger (Austria)  
18:24 - 18:30

Symposia  
17:30 - 18:30  
Space 2 - Hip

SY25, Bone patellar tendon bone vs hamstring vs quadriceps in ACL reconstruction: Revisiting an old fight with new data

Chairs:  
L. Engebretsen (Norway)  
M. Lind (Denmark)

SY25-1  ESSKA- ESMA ACL Survey: Results and conclusions  
H. Jones (Portugal)  
17:30 - 17:42

SY25-2  What do the registries tell us?  
E. Svantesson (Sweden)  
17:42 - 17:54

SY25-3  Hamstring is the best graft choice  
S. Scheffler (Germany)  
17:54 - 18:06

SY25-4  Why quadriceps tendon is my best choice in ACL reconstruction  
18:06 - 18:18

SY25-5  Bone patellar tendon bone is the best graft choice  
M. Strauss (Norway)  
18:18 - 18:30
**Free Papers**
17:30 - 18:30

**FP12, Free Papers - Ankle II - Cartilage varia**

**Chairs:**
H. Thermann (Germany)
Y. Shimozono (United States)

**FP12-01**
17:30 - 17:36
Posterior ankle arthroscopy for treating os trigonum syndrome; and acute or chronic os trigonum fractures, in young athletes
D. Nikolopoulos (Greece)

**FP12-02**
17:36 - 17:42
Endoscopic flexor hallucis longus transfer for the management of acute achilles tendon ruptures in active footballers. A prospective case series report with a minimum of 2 years follow up
N. Abdelatif (Egypt)

**FP12-03**
17:42 - 17:48
A novel 2-mm diameter alternative to rod-lens arthroscopes is safe and effective for tendoscopy of the tibialis posterior, peroneal and Achilles tendons

**FP12-04**
17:48 - 17:54
Effect of subchondral bone condition on repaired tissue after bone marrow stimulation for osteochondral talar lesions

**FP12-05**
17:54 - 18:00
Correlation of clinical outcomes and presence and severity of bone marrow edema after arthroscopic microfracture for osteochondral lesion of the talus

**FP12-06**
18:00 - 18:06
Autologous osteochondral transplantation for large osteochondral lesions of the talus is a viable option in an athletic population

**FP12-07**
18:06 - 18:12
Talar Osteo-Periostic grafting from the Iliac Crest (TOPIC): 1-year results of a new press-fit surgical treatment for large talar osteochondral defects
J. Dahmen (Netherlands)

**FP12-08**
18:12 - 18:18
Supramalleolar osteotomy and AMIC cartilage reconstruction in severe cartilage lesion

**FP12-09**
18:18 - 18:24
Ankle osteoarthritis and its association with ankle injuries, ankle surgeries and reduced health-related quality of life in recently retired professional football and rugby players
L. Paget (Netherlands)

**FP12-10**
18:24 - 18:30
Long-term outcomes of autologous osteochondral transplantation for osteochondral lesions of the talus with more than 10 years of follow-up
Y. Shimozono (United States)

**Symposia**
17:30 - 18:30

**SY26, Hands up and knees on the floor! How do we tackle injury prevention in handball?**

**Chairs:**
M. Asker
M. Waldén
SY26-1 There is a high demand on the shoulder and knee joints in handball, but do we know what we need to know about the underlying risk factors in order to prevent injuries?  
M. Waldén

SY26-2 16 years old and immortal - Which shoulder injury prevention strategies work in adolescent players and how do we get them to adhere to them?  
M. Asker

SY26-3 1/3 of the players in a youth team have knee problems affecting their play - Call for action!  
M. Hägglund (Sweden)

SY26-4 Is how we instruct the knee injury prevention exercises important?  

SY26-5 From knowledge to action: Can we make injury prevention training work in the real-world sport setting?  
E. Ageberg

Symposia  
17:30 - 18:30  
Amber 1+2

SY27, ESSKA Young Surgeon’s Forum - Surgical video editing

Chairs:
A. Voss
S. Buchmann

SY27-1 Hardware presentation - Which camera, which position!  
A. Voss

SY27-2 Software presentation - Step-by-step tutorial  
S. Buchmann

SY27-3 Contemporary continuous education: Internet & multimedia  
S. Braun (Austria)

SY27-4 Surgical videos on social media

Social Event  
18:30 - 20:00  
Exhibition South Hall

ME03, Congress Welcome Reception Women in ESSKA Reception (18:45-19:45)
19th ESSKA Congress,
11 - 14 May 2021,
Milano, Italy

Scientific Programme

Wednesday 12 May 2021

Instructional Course Lecture
07:30 - 09:00

ICL12, My perfect ACL reconstruction

Chairs:
J. Karlsson (Sweden)
K. Samuelsson (Sweden)

ICL12-1 My perfect ACL reconstruction using Patellar Tendon Autograft
G. Demey (France) 07:30 - 07:45

ICL12-2 My perfect ACL reconstruction with Quadriceps Tendon Graft
V. Musahl (United States) 07:45 - 08:00

ICL12-3 Anatomic double-bundle, outside-in ACL reconstruction
R. Kuroda (Japan) 08:00 - 08:15

ICL12-4 ACL reconstruction using a flat quadriceps tendon graft without bone block
C. Fink (Austria) 08:15 - 08:30

ICL12-5 ACL reconstruction using hamstrings tendon autograft - Technical pearls
A. Williams (United Kingdom) 08:30 - 08:45

ICL12-6 ACL reconstruction with remnant ligament preservation
F. Margheritini (Italy) 08:45 - 09:00

Instructional Course Lecture
07:30 - 09:00

ICL13, Osteotomy for the knee surgeon

Chairs:
M. Dawson (United Kingdom)
S. Schröter (Germany)

ICL13-1 Surgical planning
R. Van Heerwaarden (Netherlands) 07:30 - 07:45

ICL13-2 Indications for osteotomy - Tibial and femoral
A. Wilson (United Kingdom) 07:45 - 08:00

ICL13-3 Osteotomy technique - Current best practice
S. Schröter (Germany) 08:00 - 08:15

ICL13-4 Filling the gap - ESSKA guidelines
M. Dawson (United Kingdom) 08:15 - 08:30

ICL13-5 Hinge fracture and other complications - A modern perspective
D. Pape (Germany) 08:30 - 08:45
Scientific Programme

ICL13-6  TKR, UKR and HTO – A patient and health economics perspective  08:45 - 09:00
R. Khakha (United Kingdom)

Instructional Course Lecture
07:30 - 09:00  Brown 3 - EKA

ICL14, Surgical techniques in UKA – Best practice

Chairs:
R. Becker (Germany)
P. Adravanti (Italy)

ICL14-1  ACL and UKA  07:30 - 07:45
P. Adravanti (Italy)

ICL14-2  PSI for UKA  07:45 - 08:00
C. Bait (Italy)

ICL14-3  Mobile bearing UKA  08:00 - 08:15
M. Clarius (Germany)

ICL14-4  Customised UKA  08:15 - 08:30
R. Becker (Germany)

ICL14-5  Lateral UKA  08:30 - 08:45
P. Hinarejos (Spain)

ICL14-6  Fixed bearing UKA  08:45 - 09:00
G. Demey (France)

Instructional Course Lecture
07:30 - 09:00  Brown 1+2

ICL15, Understanding the posterolateral corner of the knee

Chairs:
N. Pujol (France)
J. Robinson (United Kingdom)

ICL15-1  Surgical anatomy: Dissection from skin to bone  07:30 - 07:45
I. Sáenz (Spain)

ICL15-2  Physical and instrumented examinations  07:45 - 08:00
J. Robinson (United Kingdom)

ICL15-3  Imaging  08:00 - 08:15
A. Hirschmann (Switzerland)

ICL15-4  Repair and augmentation surgical techniques: When and how?  08:15 - 08:30
K.-H. Frosch (Germany)

ICL15-5  Reconstructions with tibial slings: When and How?  08:30 - 08:45
P. Gelber (Spain)
Scientific Programme

ICL 15-6  Rehab and return to play  08:45 - 09:00
M. Leyes (Spain)

Instructional Course Lecture  07:30 - 09:00
Space 1 - ESA

ICL16, Anterior shoulder instability repair: This is how we do it!

Chairs:
M. Karahan (Turkey)
K. Beitzel (Germany)

ICL16-1  Arthroscopic capsulolabral repair  07:30 - 07:48
F. Soler-Romagosa (Spain)

ICL16-2  Remplissage technique  07:48 - 08:06
N. Gomes (Portugal)

ICL16-3  Extracapsular repair: BLS technique  08:06 - 08:24
R. Brzóska (Poland)

ICL16-4  Anterior bony instability: Arthroscopic Latarjet procedure  08:24 - 08:42

ICL16-5  Anterior bony instability: Free bone block  08:42 - 09:00
P. Heuberer (Austria)

Instructional Course Lecture  07:30 - 09:00
Space 2 - Hip

ICL17, Intermediate hip arthroscopy

Chairs:
F. Randelli (Italy)
N. Bonin (France)

ICL17-1  Managing the labrum  07:30 - 07:48
D. Lindner (Israel)

ICL17-2  Managing Cam FAI  07:48 - 08:06
V. Khanduja (United Kingdom)

ICL17-3  Managing Pincer FAI  08:06 - 08:24
A. Sarmento (Portugal)

ICL17-4  Managing the ligamentum teres  08:24 - 08:42
A. Bajwa (United Kingdom)

ICL17-5  Managing loose bodies  08:42 - 09:00
N. Zurita (Spain)
Scientific Programme

Instructional Course Lecture
07:30 - 09:00  
Space 3 - AFAS

ICL18, State of the art in ankle arthroscopy and ankle cartilage repair

Chairs:
J. Calder (United Kingdom)
C.D. Murawski (United States)

ICL18-1  Decisions, decisions: To scope, or not to scope?  07:30 - 07:45
ICL18-2  An update on ankle arthroscopy: Current evidence and practical recommendations for 2020  07:45 - 07:55
D. Haverkamp (Netherlands)
ICL18-3  What's the consensus on ankle cartilage injuries? From Pittsburgh to Dublin, and beyond  07:55 - 08:10
C.D. Murawski (United States)
ICL18-4  When can I get back, Doc? Special considerations for athletes with ankle cartilage pathology  08:10 - 08:25
A. Roche (United Kingdom)
ICL18-5  Rehabbing the post-surgical ankle: Blending evidence with gestalt  08:25 - 08:40
H. Simpson (South Africa)
ICL18-6  Cases  08:40 - 08:50
F. Vannini (Italy)
ICL18-7  Cases  08:50 - 09:00
M. Nasef (Egypt)

Instructional Course Lecture
07:30 - 09:00  
Space 4 - ESMA

ICL19, ACL prevention for all! What can be done?

Chairs:
T. Patt (Netherlands)
H. Jones (Portugal)

ICL19-1  ACL evolution concepts! What changed throughout times?  07:30 - 07:48
H. Jones (Portugal)
ICL19-2  ACL prevention for all! What can be done? Where are we now? The ESMA project for all  07:48 - 08:06
T. Patt (Netherlands)
ICL19-3  Prevention of re-injury. What can be done?  08:06 - 08:24
A. Lukaszenko (United Arab Emirates)
ICL19-4  ACL prevention according sports specificities. Are there differences?  08:24 - 08:42
F. Della Villa (Italy)
ICL19-5  ACL injury. Where are we now? Is prevention the key for all sports?  08:42 - 09:00
L. Engebretsen (Norway)
Sciatisn programme

Instructional Course Lecture
07:30 - 09:00

ICL20, Allograft: Biology, mechanics, integration, outcomes (with arthroscopy and cartilage committee according to the ESSKA-European Allograft Initiative)

Chairs:
P. Verdonk (Belgium)
T. Spalding (United Kingdom)

ICL20-1 Fresh osteochondral allograft transplantation
P. Gelber (Spain)
07:30 - 07:45

ICL20-2 Cells, soluble factors and matrix in allograft integration
L. de Girolamo (Italy)
07:45 - 08:00

ICL20-3 Biomechanical considerations for the success of tendon and meniscus allograft integration
A. Seitz (Germany)
08:00 - 08:15

ICL20-4 Meniscal allograft transplantation
P. Verdonk (Belgium)
08:15 - 08:30

ICL20-5 Primary ACL and revision ACL reconstruction - Use and outcomes of allografts
T. Spalding (United Kingdom)
08:30 - 08:45

ICL20-6 Cost effectiveness of allografts in knee surgery: Meniscus, osteochondral and ligament reconstruction
A. Metcalfe (United Kingdom)
08:45 - 09:00

E-posters
09:00 - 18:00

E-Posters

Highlight Lecture
09:00 - 09:30

HL05, Presidential Lecture by David Dejour

HL05 Presidential Lecture by David Dejour
D. Dejour (France)
09:00 - 09:30

Team Physician Programme
09:00 - 09:10

TP01, Team Physician Programme

TP01 Introduction to the Course
H. Jones (Portugal)
S. Della Villa (Italy)
09:00 - 09:10
Team Physician Programme
09:10 - 15:00

TP02, A. MEDICAL EMERGENCIES ON THE FIELD

Emergencies on the field. Theoretical sessions (including sample scenarios) - 9:10 - 12.00

TP02-1 Initial assessment (A;B;C;D;E) 09:10 - 10:00
F. Serralva (Portugal)

Coffee Break 10:00 - 10:30

TP02-2 Cardiac arrest and shocking 10:30 - 11:30
A. Marques (Portugal)

TP02-3 Medical emergencies 11:30 - 12:00
P. Martins (Portugal)

Lunch break 12:00 - 13:00

TP02-4 Trauma emergencies (including spine) 13:00 - 14:00
H. Jones (Portugal)

TP02-5 Head injuries (including concussion) 14:00 - 15:00
W. Krutsch (Germany)

Highlight Lecture
09:30 - 10:00

HL06, Presidential Guest Lecture

Chairs:
D. Dejour (France)
M. Denti (Italy)

HL06 Leadership from Ferrari F1 to the Operating Room 09:30 - 10:00
L. Mazzola (Italy)

Symposia
10:30 - 11:30

SY28, Extraarticular reconstruction in ACL deficient knee: The European perspective

Chairs:
S. Zaffagnini (Italy)
B. Klos (Netherlands)

SY28-1 History and overview 10:30 - 10:42
A. Ferretti (Italy)

SY28-2 Anterolateral instability and the pivot shift phenomenon 10:42 - 10:54
V. Musahl (United States)
19th ESSKA Congress,  
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Scientific Programme

SY28-3 Anatomy and biomechanics of the anterolateral complex of the knee  
S. Claes (Belgium)  
10:54 - 11:06

SY28-4 How and why I perform extraarticular tenodesis  
A. Williams (United Kingdom)  
11:06 - 11:18

SY28-5 How and why I perform ALL reconstruction  
B. Sonnery-Cottet (France)  
11:18 - 11:30

Highlight Lecture  
10:30 - 11:00  
Auditorium

HL07, Stem cells in rotator cuff repair  

Chairs:  
K. Beitzel (Germany)  
B. Kocaoglu (Turkey)

HL07 Stem cells in rotator cuff repair  
P.S. Randelli (Italy)  
10:30 - 11:00

Highlight Lecture  
10:30 - 11:00  
Brown 3 - EKA

HL08, Fashion versus science in total knee arthroplasty  

Chairs:  
M.T. Hirschmann (Switzerland)  
M. Bozkurt (Turkey)

HL08 Fashion versus Science in total knee arthroplasty  
M. Mont (United States)  
10:30 - 11:00

Symposia  
10:30 - 11:30  
Brown 1+2

SY29, Surgical treatment of cartilage lesions: What to do when lesions are not isolated?  

Chairs:  
A. Di Martino (Italy)  
G. Peretti (Italy)

SY29-1 Cartilage treatment as augmentation for osteotomy: More risks or benefits?  
A. Wilson (United Kingdom)  
10:30 - 10:42

SY29-2 ACL reconstruction and cartilage lesion: Leave it or treat it?  
P. Niemeyer (Germany)  
10:42 - 10:54

SY29-3 Multi-ligament injury - Need for cartilage surgery?  
F. Perdisa (Italy)  
10:54 - 11:06
Scientific Programme

SY29-4  Meniscal lesions: A contraindication for cartilage surgery?  
K. Lagae (Belgium)  
11:06 - 11:18

SY29-5  Cartilage surgery using allografts  
A. Gomoll (United States)  
11:18 - 11:30

Keynote Lecture  
10:30 - 11:00  
Space 1 - ESA

KL08, ESA Keynote Lecture - Bone loss in anterior shoulder instability

Chairs:  
F. Martetschläger (Germany)  
M. Zumstein (Switzerland)

KL08-1  Bone loss in shoulders with anterior instability  
E. Itoi (Japan)  
10:30 - 10:50

KL08-2  Discussion  
10:50 - 11:00

Radiology Workshop  
10:30 - 12:00  
Space 2 - Hip

RW02, MR imaging of the hip - What the orthopaedic surgeon should know!

Chairs:  
A. Blum (France)  
F. Del Grande (Switzerland)

RW02-1  Introduction  
A. Blum (France)  
F. Del Grande (Switzerland)  
10:30 - 10:35

RW02-2  Femoroacetabular impingement  
S. Waldt (Germany)  
10:35 - 10:55

RW02-3  Extraarticular impingement  
G. Lefebvre (France)  
10:55 - 11:15

RW02-4  Hip arthroplasties - How can MRI help in THA?  
B. Fritz (Switzerland)  
11:15 - 11:35

RW02-5  Abductor tendons  
G. Lefebvre (France)  
11:35 - 11:55

RW02-6  Discussion & closing down  
A. Blum (France)  
F. Del Grande (Switzerland)  
11:55 - 12:00
Keynote Lecture
10:30 - 11:00

**KL09, AFAS Keynote Lecture - Modern imaging techniques in the elite athlete - What’s best for what injury and can the team approach help the surgeon?**

**Chairs:**
P. D’Hooghe (Qatar)
F. Vannini (Italy)

**KL09-1**  
Modern imaging techniques in the elite athlete - What’s best for what injury and can the team approach help the surgeon?  
A. Mitchell (United Kingdom)

**KL09-2**  
Discussion

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Keynote Lecture
10:30 - 11:00

**KL10, Keynote Lecture - Rehabilitation**

**Chairs:**
S. Werner
N. Sernert

**KL10-1**  
A paradigm shift in rehab after ACL reconstruction: Trends in time and dynamic assessment  
E. Hamrin Sernorski (Sweden)

**KL10-2**  
Discussion

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Free Papers  
10:30 - 12:00

**FP13, Free Papers - Cartilage I**

**Chairs:**
A. Marmotti (Italy)
R. Siebold (Germany)

**FP13-01**  
(Osteo)chondral lesions in the knee joint treated with an acellular biphasic coralline scaffold: 2 year outcomes of a prospective case series  
W. Van Genechten (Belgium)

**FP13-02**  
Long-term results and prognostic factors after Matrix-assisted Autologous Chondrocyte Transplantation for knee cartilage lesions

**FP13-03**  
Neutral leg alignment improves graft survivorship after autologous chondrocyte implantation with concomitant high tibial osteotomy

**FP13-04**  
High rate of failure after matrix-assisted autologous chondrocyte transplantation in osteoarthritic knees at 15 years’ follow-up

**FP13-05**  
Autologous chondrocyte implantation (ACI) and high tibial osteotomy (HTO) for medial varus osteoarthritis (OA) of the knee. Arthroscopic second look and clinical outcome
**Scientific Programme**

**FP13-06** Costal chondrocyte-derived pellet-type autologous chondrocyte implantation versus microfracture for repair of articular cartilage defects: a prospective randomized trial  
11:00 - 11:06

**FP13-07** A one-step treatment for chondral and osteochondral knee defects: clinical results of a biomimetic scaffold implantation at 3 years of follow-up in 120 patients  
I. Romandini (Italy)  
11:06 - 11:12

**FP13-08** Biomimetic scaffold implantation for the treatment of juvenile osteochondritis dissecans: clinical result at 5 years follow-up  
I. Romandini (Italy)  
11:12 - 11:18

**FP13-09** The arthroscopic autologous matrix-induced chondrogenesis technique using Hyalofast scaffold for the treatment of articular cartilage lesions in the knee: surgical technique and clinical outcomes  
11:18 - 11:24

**FP13-10** Longterm results of autologous matrix induced chondrogenesis (AMIC) in the knee  
11:24 - 11:30

**FP13-11** A multicenter randomized controlled trial on matrix-augmented bone marrow stimulation with a polyglycolic acid membrane with hyaluronan compared to microfracture in local cartilage defects of the femoral condyles  
11:30 - 11:36

**FP13-12** Enhanced cartilage repair by microfracture with an oral administration of TGF-β1 inhibitor in neutrally aligned knee after high tibial osteotomy  
11:36 - 11:42

**FP13-13** Focal Articular Surface Replacement (FASR) for the treatment of articular defects of the femoral condyle: a minimum 7-year follow-up study of 235 cases  
11:42 - 11:48

**FP13-14** Distraction arthroplasty for knee OA depending to the mechanical load  
11:48 - 11:54

**FP13-15** Traditional pulse lavage does not allow for a significant reduction of bone marrow content in osteochondral allografts: a histological and DNA quantification study  
L. de Girolamo (Italy)  
11:54 - 12:00

**Symposia**  
11:00 - 12:00  
Auditorium

**SY30, Treatment of bone defect in shoulder instability: Technique and indications**

**Chairs:**  
N. Gomes (Portugal)  
G. Nourissat (France)

**SY30-1** Remplissage  
F. Franceschi  
11:00 - 11:12

**SY30-2** Open Latarjet  
G. Di Giacomo (Italy)  
11:12 - 11:24

**SY30-3** Bone graft  
W. Nebelung (Germany)  
11:24 - 11:36
### Scientific Programme

**SY30-4**  
**Treatment of bone defect in shoulder instability: Technique and indications**  
E. Antonogiannakis (Greece)  
11:36 - 11:48

**SY30-5**  
**Combined defects**  
11:48 - 12:00

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**Symposia**  
11:00 - 12:00  
**SY31, EKA best practice - Alignment in TKA**  
Brown 3 - EKA

**Chairs:**  
R. Becker (Germany)  
A. Mullaji (India)

**SY31-1**  
**Knee phenotypes - What can we learn?**  
M.T. Hirschmann (Switzerland)  
11:00 - 11:10

**SY31-2**  
**Mechanical versus anatomical versus kinematic alignment**  
E. Gomez Barrena  
11:10 - 11:20

**SY31-3**  
**How I do it - My preferred alignment**  
M. Malavolta (Italy)  
11:20 - 11:30

**SY31-4**  
**Customised alignment in customised TKA?**  
J. Beckmann (Germany)  
11:30 - 11:40

**SY31-5**  
**Individualised alignment with image-based robotic TKA**  
T. Calliess  
11:40 - 11:50

**SY31-6**  
**Sensor-based individualised alignment in TKA**  
M. Roche (United States)  
11:50 - 12:00

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**Free Papers**  
11:00 - 12:00  
**Space 1 - ESA**

**FP14, Free Papers - Shoulder instability**

**Chairs:**  
M.F. Saccomanno (Italy)  
L. Pauzenberger (Ireland)

**FP14-01**  
**Arthroscopic Latarjet procedure for anterior shoulder instability - clinical outcomes of 156 patients with a minimum 2-year follow-up, a multicenter study**  
W. Solecki (Poland)  
11:00 - 11:06

**FP14-02**  
**Complications after Latarjet procedure performed on 140 shoulders with up to 15 years follow up**  
B. Marjanovic  
11:06 - 11:12
### Scientific Programme

#### FP14-03
**Arthroscopic bankart repair and associated soft-tissue procedures for treatment of recurrent shoulder instability: outcomes at 10-years follow-up**
- P. Carnero Martín de Soto (Spain)

#### FP14-04
**Bankart lesion- Kontless tape vs Knoted suture repair prospective and randomized trial**

#### FP14-05
**Acromial morphology as a predictor for posterior shoulder instability**

#### FP14-06
**Rotator interval closure associated to Bankart repair provides good functional outcomes and low complication rates as treatment of shoulder instability in absence of significant glenoid bone-loss**
- P. Carnero Martín de Soto (Spain)

#### FP14-07
**Arthroscopic augmentation of the glenoid labrum with a collagen membrane scaffold**

#### FP14-08
**Outcomes after surgical treatment of anterior shoulder instability in the professional athlete: return to competition, time to return, and career length**
- L. Lacheta (Germany)

#### FP14-09
**Posterior glenoid lesions on magnetic resonance imaging in adolescent baseball players**

#### FP14-10
**Differences on shoulder pathology and adaptive changes between female and male professional tennis players**
- R. Lopez-Vidriero Tejedor (Spain)

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### Symposia

**Space 3 - AFAS**

**SY32, High ankle sprains in athletes: Evaluation and treatment**

**Chairs:**
- G. Kerkhoffs (Netherlands)
- H. Pereira (Portugal)

#### SY32-1
**Individual ligament contribution to syndesmotic instability: A biomechanical update - 12’**
- P. Spennacchio

#### SY32-2
**Fixation options for unstable syndesmotic injuries: in-vivo and ex-vivo evidences - 12’**
- B. Leeberts (Netherlands)

#### SY32-3
**A diagnostic algorithm for acute "high ankle sprain": Imaging and physical findings - 10’**
- J. Calder (United Kingdom)

#### SY32-4
**Intraoperative evaluation of latent syndesmotic instability: A technical note - 10’**
19th ESSKA Congress,  
11 - 14 May 2021,  
Milano, Italy

Scientific Programme

Affiliated Symposia - Debates  
11:00 - 12:00  
Space 4 - ESMA

**AS07, Affiliated society symposium: Orthobiologics in different ESSKA countries**

**Chairs:**  
W. Murell (United States)  
A. Gobbi (Italy)

**AS07-1**  
**TUSYAD - Turkish Society of Sports Traumatology Arthroscopy and Knee Surgery**  
R. Akmeşe (Turkey)  
11:00 - 11:06

**AS07-2**  
**SETRADE - Spanish Society for Sports Traumatology (Sociedad Española de Traumatología del Deporte)**  
P. Bernáldez (Spain)  
11:06 - 11:12

**AS07-3**  
**CSSTA - Czech Society for Sports Traumatology and Arthroscopy**  
V. Havlas (Czech Republic)  
11:12 - 11:18

**AS07-4**  
**EAE - Hellenic Association of Arthroscopy, Knee Surgery and Sports Injury - George Noulis/Ελληνική Αρθροσκοπική Εταιρεία**  
C. Yiannakopoulos (Greece)  
11:18 - 11:24

**AS07-5**  
**NVA - Nederlandse Vereniging voor Arthroscopie - Dutch Arthroscopy Society**  
J. Zijl (Netherlands)  
11:24 - 11:30

**AS07-6**  
**SSASST - Slovene Society for Arthroscopic Surgery and Sports Traumatology**  
11:30 - 11:36

**AS07-7**  
**RAS - Russian Arthroscopic Society**  
A. Kurpyakov (Russian Federation)  
11:36 - 11:42

**AS07-8**  
**Discussion**  
11:42 - 12:00

Keynote Lecture  
11:30 - 12:00  
Gold Plenary

**KL11, ESMA Keynote Lecture - From knee surgery to return to play - A challenging journey**

**Chairs:**  
J. Espregueira-Mendes (Portugal)  
A. Lukaszenko (United Arab Emirates)

**KL11-1**  
**From knee surgery to return to play - A challenging journey**  
S. Della Villa (Italy)  
11:30 - 11:50

**KL11-2**  
**Discussion**  
11:50 - 12:00
Scientific Programme

Free Papers
11:30 - 12:00

FP15, Free Papers - OA - Non-operative treatment

Chairs:
D. Rosa (Italy)
C. Hulet (France)

FP15-01 Patient selection and outcome of a single injection with micro-fragmented autologous for knee osteoarthritis: a 12 month prospective follow-up study
W. Van Genechten (Belgium)

FP15-02 The efficacy of manual therapy in patients with knee osteoarthritis treated with Platelet Rich Plasma (PRP®) treatment
Ö. Çoban (Turkey)

FP15-03 The aggregated data from normal saline placebo arms of hyaluronic acid and other knee injection studies for OA can be used as a control group for single-armed knee injection studies

FP15-05 Cooled radiofrequency ablation treatment of osteoarthritic knee pain: 24-month results
A. Chen (United States)

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia

Lunch Workshops
12:15 - 13:15

Corporate Symposia
Scientific Programme

Lunch Workshops
12:15 - 13:15
Space 1 - ESA

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Space 2 - Hip

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Space 3 - AFAS

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Space 4 - ESMA

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Amber 1+2

Corporate Symposia

Symposia
14:00 - 15:00
Gold Plenary

SY34, Individualised ACL reconstruction

Chairs:
D. Guenther (Germany)
J. Nyland (United States)

SY34-1 How I reconstruct each patient based on individual anatomy 14:00 - 14:10
K. Plancher (United States)

SY34-2 Primary repair is the best individualised ACL reconstruction 14:10 - 14:20
S.S. Ahmad (Germany)

SY34-3 Do we need to play with the periphery in individualised ACL surgery? 14:20 - 14:30
A. Grassi (Italy)

SY34-4 The role of the Pivot Shift for individualised surgery 14:30 - 14:40
Y. Hoshino (Japan)

SY34-5 How I need to adapt my ACL reconstruction on different sports 14:40 - 14:50
**Scientific Programme**

**SY34-6**  
**ACL reconstruction rehabilitation: Improving neuromuscular control, dynamic stability and safe return to sports**  
J. Nyland (United States)  
14:50 - 15:00

**Free Papers**  
14:00 - 15:00  
**Auditorium**

**FP16, Free Papers - Cartilage II**

**Chairs:**  
W. Murell (United States)  
F. De Caro (Italy)  
G. Peretti (Italy)

**FP16-01**  
The result of bone marrow aspirate concentrate intraarticular injection for the treatment of the knee osteoarthritis on 89 patients after two years follow up  
14:00 - 14:06

**FP16-02**  
Intra-articular injection of autologous bone marrow concentrate versus hyaluronic acid for bilateral knee osteoarthritis: preliminary results of a double-blind randomized self-controlled trial  
L. Andriolo (Italy)  
14:06 - 14:12

**FP16-03**  
Adipose-Derived Mesenchymal Stem Cells versus Platelet-Rich Plasma for the treatment of knee osteoarthritis: preliminary results of a randomized controlled trial  
14:12 - 14:18

**FP16-04**  
A prospective clinical comparison between leukocyte-poor Platelet Rich Plasma combined with hyaluronic acid and adipose-derived mesenchymal stem cells in patients with early knee osteoarthritis  
I. Dallo (Italy)  
14:18 - 14:24

**FP16-05**  
Autologous microfragmented adipose tissue improves the clinical and functional outcomes of arthroscopic debridement in patients affected by knee osteoarthritis  
L. de Girolamo (Italy)  
14:24 - 14:30

**FP16-06**  
Knee cartilage regeneration with umbilical cord mesenchymal stem cells using dry arthroscopy in 1 year follow-up  
14:30 - 14:36

**FP16-07**  
Mesenchymal stem cell treatment of knee chondral lesions alongside anterior cruciate ligament reconstruction. A comparative study with three years follow-up  
14:36 - 14:42

**FP16-08**  
Comparative assessment of healing focal lesions of articular cartilage in an animal model by using stem cells from the iliac crest versus stem cells from adipose tissue  
14:42 - 14:48

**FP16-09**  
Intraosseus injections of platelet rich plasma for knee bone marrow lesions treatment: short-term outcomes  
M. Lipina (Russian Federation)  
14:48 - 14:54

**FP16-10**  
PRP therapy improved the semi-quantified articular cartilage score of MRI at the lateral compartment of knee joint in varus knee deformity  
T. Wakayama (Japan)  
14:54 - 15:00
Symposia
14:00 - 15:00

SY35, Periprosthetic Joint Infections (PJI) in 2020: a transatlantic approach

Chairs:
A. Chen (United States)
R. Prejbeanu (Romania)

SY35-1 Diagnosis and Pharmacological Treatment of PJI: State of the Art in 2020
G. Balato (Italy) 14:00 - 14:12

SY35-2 Debridement Antibiotic Pearls and Retention of the Implant (DAPRI): a novel technique for the treatment of Periprosthetic Joint Infections (PJI)
P.F. Indelli (United States) 14:12 - 14:24

SY35-3 Single stage revision for TKA Periprosthetic Joint Infections (PJI)
D. Kendoff (Germany) 14:24 - 14:36

SY35-4 Two stage revision for TKA Periprosthetic Joint Infections (PJI)
A. Nedopil (United States) 14:36 - 14:48

SY35-5 The infected TKA and severely compromised soft-tissues - when do we need the plastic surgeon
M. Clauss 14:48 - 15:00

Radiology Workshop
14:00 - 15:30

RW03, MR imaging of the knee - What the orthopaedic surgeon should know!

Chairs:
N. Saupe (Switzerland)
A. Hirschmann (Switzerland)

RW03-1 Introduction
N. Saupe (Switzerland) 14:00 - 14:05
A. Hirschmann (Switzerland)

RW03-2 Cruciate ligament injury...what not to miss
A. Mitchell (United Kingdom) 14:05 - 14:25

RW03-3 Collateral stabilizing structures
L. Sconfienza (Italy) 14:25 - 14:45

RW03-4 Meniscus
J.-L. Drapé (France) 14:45 - 15:05

RW03-5 Cartilage
S. Waldt (Germany) 15:05 - 15:25

RW03-6 Discussion & Closing Down
N. Saupe (Switzerland) 15:25 - 15:30
A. Hirschmann (Switzerland)
Scientific Programme

Affiliated Symposia - Debates
14:00 - 15:00

AS04, Affiliated society symposium: Degenerative knee - what I learned from my worst case

Chairs:
J.F. Salreta (Portugal)
A. Price (United Kingdom)

AS04-1 SEROD - Sociedad Espanhola de Cirurgia de Rodilha /SOCIEDAD ESPAÑOLA DE LA RODILLA
J.F. Sánchez-Soler (Spain)
Discussion

AS04-2 ASTAOR - Association of Sports Traumatology, Arthroscopy, Orthopaedic surgery, Rehabilitation
A. Korolev

AS04-3 BASK - British Association for Surgery of the Knee
A. Price (United Kingdom)
Discussion

AS04-4 SPAT - Portuguese Society of Arthroscopy and Sport Traumatology/Sociedade Portuguesa de Artroscopia e Traumatologia Desportiva
J.F. Salreta (Portugal)
Discussion

AS04-5 AOTBIH - Association of Orthopedic Surgeons and Traumatologisty of Bosnia and Herzegovina
S. Becirbegovic (Bosnia and Herzegovina)
Discussion

AS04-6 AORTA - Association of Orthopaedics, Traumatologists and Rehabilitologists of Armenia

Partner Symposia - Case Forum
14:00 - 15:00

PS02, ESSKA-ISHA symposium: All about hip arthroscopy

Chairs:
T. Andrade (United Kingdom)
F. Randelli (Italy)

PS02-1 Long Term Results of Hip Arthroscopy
V. Khanduja (United Kingdom)

PS02-2 Labral Repair: what we know today
J.N. Cakic (South Africa)
Scientific Programme

PS02-3  Cartilage Lesions: options in the hip  14:20 - 14:30
N. Bonin (France)

PS02-4  Hip Arthroscopy Outcomes in Athletes  14:30 - 14:40
M. Philippon (United States)

PS02-5  Discussion  14:40 - 15:00

Symposia
14:00 - 15:00
Space 3 - AFAS

SY36, The arthroscopic approach to lateral ankle instability: how do I do it?

Chairs:
P. Spennacchio
M. Nasef (Egypt)

SY36-1  All arthroscopic ankle lateral ligament repair - how do I do it? - 5’ video presentation  14:00 - 14:12
J. Vega (Spain)

SY36-2  All arthroscopic ankle lateral ligament repair - how do I do it? - 5’ video presentation  14:12 - 14:24

SY36-3  All arthroscopic ankle lateral ligament repair - how do I do it? - 5’ video presentation  14:24 - 14:36
M. Katakura (United Kingdom)

SY36-4  All arthroscopic ankle lateral ligament repair - how do I do it? - 5’ video presentation  14:36 - 14:48
H. Pereira (Portugal)

SY36-5  All arthroscopic ankle lateral ligament repair - How do I do it?  14:48 - 15:00
C. Pearce (United Kingdom)

Symposia
14:00 - 15:00
Space 4 - ESMA

SY37, Clinical practice; experience from the field. How to treat lower extremity muscle / tendon injuries?

Chairs:
J. Puigdellivol
G.L. Canata (Italy)

SY37-1  Conservative treatment  14:00 - 14:12

SY37-2  Surgical indications  14:12 - 14:24
L. Lempainen (Finland)

SY37-3  Muscle surgery in recurrent injuries  14:24 - 14:36
F. Oliva (Italy)
Scientific Programme

SY37-4  Acute complete muscle rupture surgery
J. Karlsson (Sweden)  14:36 - 14:48

SY37-5  Muscle complication surgery
M. Virgolino (Portugal)  14:48 - 15:00

Free Papers  14:00 - 15:00  Amber 1+2

FP17, Free Papers - PCL

Chairs:
F. Giron
P. Faunø (Denmark)

FP17-01  Posterior cruciate ligament reconstruction with independent suture tape reinforcement - an in vitro biomechanical full construct study
M. Piepenbrink (Germany)  14:00 - 14:06

FP17-02  Non-operative treatment is effective for patients with posterior cruciate ligament avulsion fractures
14:06 - 14:12

FP17-03  Outcome after knee dislocation. A comparison of multiligament injuries using the Schenck classification: results from the Danish Knee ligament Reconstructions Registry
T.G. Nielsen (Denmark)  14:12 - 14:18

FP17-04  Open approaches to manage cruciate ligaments in knee dislocations
14:18 - 14:24

FP17-05  Graft augmentation combined with MCL suture repair provides sufficient knee kinematic restoration in concomitant ACL reconstruction and MCL grade 3 injury
T. Nakamura (United States)  14:24 - 14:30

FP17-06  The arthroscopic popliteus bypass reconstruction for posterolateral instabilities of the knee - clinical results > 2 year follow up
14:30 - 14:36

FP17-07  Multi-ligament knee injuries in elite athletes: return to play rates, timing and complications
14:36 - 14:42

FP17-08  Comparing methods of stress radiography for posterior knee instability. A new simple kneeling device offers similar accuracy and reliability to the Telos system
14:42 - 14:48

FP17-09  Frontal and sagittal laxity assessed by stress radiographs after reconstruction of multiligament knee injuries using allograft
14:48 - 14:54

FP17-10  Surgical conversion rate and patient-reported outcome after treatment with a physiotherapy-led progressive exercise program plus a support brace in patients with an acute injury of the posterior cruciate ligament
R.G. Rasmussen (Denmark)  14:54 - 15:00
Scientific Programme

Meetings
15:00 - 15:30

Gold Plenary

ME04, ESSKA European Specialist Core Curriculum presentation

Partner Symposia - Case Forum
15:00 - 16:00

Auditorium

PS03, ESSKA-ICRS symposium: Post-meniscectomy osteoarthritis in middle-aged athletes

Chairs:
K. Zaslav
E. Kon (Italy)

PS03-1  Epidemiology and prevention
K. Zaslav

PS03-2  Can injectable biologics control inflammatory environment?
G. Van Osh (Netherlands)

PS03-3  Surgical treatment
A. Gobbi (Italy)

PS03-4  What is the future?
J. Lane

Symposia
15:00 - 16:00

Brown 3 - EKA

SY38, EKA - How to do a TKA?

Chairs:
F. Giron
R. Tandogan

SY38-1  Tibia first versus femur first technique
T. Muellner (Austria)

SY38-2  Flexion gap first versus extension gap first
A. Kröll (Switzerland)

SY38-3  Tibial intramedullary versus extramedullary alignment
G. Pipino (Italy)

SY38-4  Ligament balancing the way to go!
R. Becker (Germany)

SY38-5  Measured resection the way to go!
M. Arnold

SY38-6  Patient Specific Alignment CAS Balanced TKA - my preferred technique
M. Clatworthy (New Zealand)
FP18, Free Papers - Shoulder - rotator cuff II

FP18-01 Predictive factors for failure of conservative management in the treatment of degenerative rotator cuff tears
L. Lacheta (Germany)
O. Lorbach (Germany)

FP18-02 Does lateral acromionplasty reduce the retear rate after rotator cuff repair?
E. Franceschetti (Italy)

FP18-03 Minimum 2-year clinical outcomes after superior capsule reconstruction compared with reverse total shoulder arthroplasty for the treatment of irreparable posterosuperior rotator cuff tears in patients younger than 70 years old
L. Lacheta (Germany)

FP18-04 Superior capsule reconstruction does partially restore glenohumeral stability in massive posterosuperior rotator cuff deficiency - a dynamic robotic shoulder model
L. Lacheta (Germany)

FP18-05 Sharpened Lateral Acromion Morphology (SLAM Lesion) as an indicator of rotator cuff tear: a prospective matched study
L. Lacheta (Germany)

FP18-06 Comparable efficacy of 12 weeks of progressive active exercise therapy vs. limited passive exercise therapy after surgical rotator cuff repair
B.H. Kjær (Denmark)

FP18-07 Reducing costs of arthroscopic shoulder surgery by increasing cost awareness

FP18-08 Rotator cuff repair compared to rotator cuff debridement in arthroscopic excision of calcifying tendonitis of the shoulder

FP18-10 Prognostic factors for functional outcome after rotator cuff repair: a prospective cohort study with 2-year follow-up
K.K. Jenssen (Norway)
PS04-2 Management of Posterolateral Complex (PLC) injury in Multiple ligament Injuries of the Knee
C. Phornphutkul (Thailand)

PS04-3 Assessment and Management of posteromedial and anteromedial rotatory knee instability
C. Kittl (Germany)

PS04-4 Anterolateral rotatory knee instability - ALL, ITB or lateral meniscus?
A. Getgood (Canada)

PS04-5 The role of lower limb alignment and bone morphology in complex knee instabilities
E. Herbst (Germany)

Symposia
15:00 - 16:00

SY39, ESSKA and FORTE Young Surgeon's Forum - ANKLE
Chairs:
S. Stufkens (Netherlands)
F. Malagelada

SY39-1 Ankle sprains: surgical treatment when and how?
M. Wenning

SY39-2 Achilles ruptures: surgical treatment when and how?
N. Krähenbühl (Switzerland)

SY39-3 Lisfranc sprains: surgical treatment when and how?
J. Vide (Portugal)

SY39-4 Hallux valgus: surgical treatment when and how?
H. Waizy (Germany)

SY39-5 Orthobiologics for ankle pathologies - an overview
F. Oliva (Italy)

Free Papers
15:00 - 16:00

FP19, Free Papers - Sports
Chairs:
A.D. van der Made (Netherlands)
L. Snyder-Mackler (United States)

FP19-01 Frequency and return-to-competition after severe injuries in professional football players
W. Krutsch (Germany)

FP19-02 Return to sports after common pediatric upper extremity fractures
15:06 - 15:12
### Scientific Programme

<table>
<thead>
<tr>
<th>FP19-03</th>
<th>Injuries in elite football academy: a 4-year observational cohort study of 5 categories and 515 players</th>
<th>15:12 - 15:18</th>
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<td>L. Pulici (Italy)</td>
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<th>FP19-05</th>
<th>Prevalence of musculoskeletal injuries across weightlifters: retrospective analysis from the Greek elite athletes</th>
<th>15:18 - 15:24</th>
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<th>FP19-06</th>
<th>Outcome of operative and non-operative treatment of full-thickness proximal free hamstring tendon injury: a prospective comparison at 1-year follow-up</th>
<th>15:24 - 15:30</th>
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<thead>
<tr>
<th>FP19-07</th>
<th>Return to sports after proximal hamstring tendon avulsion</th>
<th>15:30 - 15:36</th>
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</thead>
<tbody>
<tr>
<td>M.H. Baums (Germany)</td>
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<tr>
<th>FP19-08</th>
<th>Musculotendinous junction injuries of the proximal biceps femoris: a prospective study of 64 patients treated surgically</th>
<th>15:36 - 15:42</th>
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<tr>
<td>S. Singh (United Kingdom)</td>
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<tr>
<td>N. Sandau (Denmark)</td>
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<tr>
<th>FP19-10</th>
<th>Age-appropriateness of common neuromuscular training exercises in ACL injury prevention programs</th>
<th>15:48 - 15:54</th>
</tr>
</thead>
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<tr>
<th>FP19-11</th>
<th>Autonomy on timing of feedback enhances movement technique - tips &amp; tricks for ACL injury prevention</th>
<th>15:54 - 16:00</th>
</tr>
</thead>
</table>

### Symposia

**SY40, Anatomical optimization of BTB grafting in ACL reconstruction**

**Chairs:**

A. Georgoulis  
K. Shino (Japan)

<table>
<thead>
<tr>
<th>SY40-1</th>
<th>ACL attachment sites, internal fiber arrangement: implication for mimicking ACL with a BTB graft</th>
<th>15:00 - 15:12</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. Friederich (Switzerland)</td>
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<tr>
<th>SY40-2</th>
<th>ACL insertion pattern of the femoral and tibial footprints</th>
<th>15:12 - 15:24</th>
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<tbody>
<tr>
<td>R. Siebold (Germany)</td>
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<thead>
<tr>
<th>SY40-3</th>
<th>Pressfit BTB ACL reconstruction - my way to be anatomic.</th>
<th>15:24 - 15:36</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Felmet (Germany)</td>
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<tr>
<th>SY40-4</th>
<th>Anatomical ACL grafting with a BTB graft via round tunnels</th>
<th>15:36 - 15:48</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Georgoulis</td>
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</table>

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<tr>
<th>SY40-5</th>
<th>Anatomical ACL grafting with a BTB graft via rectangular tunnels</th>
<th>15:48 - 16:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. Shino (Japan)</td>
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</table>
Team Physician Programme
15:00 - 18:00
Amber 5+6

TP03, B: WHAT’S NEW AND WHAT TO BE AWARE ABOUT SPORTS MEDICINE I

TP03-1  Nutrition; Fatigue and Recovery; Doping Issues and COVID experience in sports
H. Herrero (Spain)

Coffee Break
16:00 - 16:30

TP03-2  Practical demonstrations and workshop on emergencies on the field
F. Serralva (Portugal)
A. Marques (Portugal)
P. Martins (Portugal)
P. Ferreira (Portugal)
P. Macedo (Portugal)
M. Silva (Portugal)

Meetings
15:30 - 15:45
Gold Plenary

ME05, Master of Arthroscopy: Announcement and presentation of the Winner

Keynote Lecture
15:30 - 16:00
Brown 1+2

KL12, Keynote Lecture - Fashion vs. science in cruciate ligament surgery

Chairs:
V. Musahl (United States)
J. Menetrey (Switzerland)

KL12-1  Fashion vs. science in cruciate ligament surgery
A. Weiler (Germany)

KL12-2  Discussion
15:50 - 16:00

Meetings
15:45 - 16:00
Gold Plenary

ME06, ESSKA 2022 Presentation

Symposia
16:30 - 17:30
Gold Plenary

SY41, RAMP lesion management from A to Z

Chairs:
M. Karahan (Turkey)
G. Cerulli (Italy)
Scientific Programme

SY41-1  Anatomy and biomechanics  
R. Smigelski (Poland)  
16:30 - 16:40

SY41-2  Ramp lesions - Which lesions I fix and how  
D. Pardiwala (India)  
16:40 - 16:50

SY41-3  Ramp lesions - Which lesions I fix and how  
S.-H. Lee (Democratic People's Republic of Korea)  
16:50 - 17:00

SY41-4  Ramp lesions - Which lesions I fix and how  
H. Koga (Japan)  
17:00 - 17:10

SY41-5  Ramp lesions - Which lesions I fix and how  
A. Getgood (Canada)  
17:10 - 17:20

SY41-6  Ramp lesions: My approach  
B. Sonnery-Cottet (France)  
17:20 - 17:30

Symposia  
16:30 - 17:30  
Auditorium

SY42, Peripheral instability of the knee - Revisited  
Chairs:  
V. Musahl (United States)  
J. Robinson (United Kingdom)

SY42-1  Rotational knee instability - Why do we need quantification  
V. Musahl (United States)  
16:30 - 16:42

SY42-2  Rotational instability of the knee - Impact of the medial corner  
J. Robinson (United Kingdom)  
16:42 - 16:54

SY42-3  Rotational instability of the knee - Impact of the lateral corner  
A. Amis (United Kingdom)  
16:54 - 17:06

SY42-4  Rotational instability of the knee - Impact of lateral slope and posterolateral tibia plateau fractures  
M. Herbort (Germany)  
17:06 - 17:18

SY42-5  Rotational instability of the knee - Impact of lateral root tears and ramp lesions  
R. Kuroda (Japan)  
17:18 - 17:30

Keynote Lecture  
16:30 - 17:00  
Brown 3 - EKA

KL13, ESSKA Keynote Lecture - When and how to customise your total knee arthroplasty?  
Chairs:  
R. Becker (Germany)  
W. Fitz (United States)
Scientific Programme

**KL13-1**  
*When and how to customise your total knee arthroplasty?*  
C. Riviere (United Kingdom)  
16:30 - 16:50

**KL13-2**  
*Discussion*  
16:50 - 17:00

**Symposia**  
16:30 - 17:30  
Brown 1+2

**SY43, Large osteochondral lesions (OCLs) in the knee joint**

**Chairs:**  
M. Brittberg

**SY43-1**  
*Pathophysiology of large OCLs in the knee joint*  
H. Madry  
16:30 - 16:42

**SY43-2**  
*My way: The MEGA OATS procedure*  
A. Imhoff (Germany)  
16:42 - 16:54

**SY43-3**  
*My way: Hybrid-ACI and allografts*  
M. Brittberg  
16:54 - 17:06

**SY43-4**  
*My way: The “Sandwich plasty”*  
P. Angele (Germany)  
17:06 - 17:18

**SY43-5**  
*My way: Meniscopexy of the anterior part of the meniscus*  
17:18 - 17:30

**Free Papers**  
16:30 - 17:00  
Space 1 - ESA

**FP20, Free Papers - AC - Joint / Biceps & tendon**

**Chairs:**  
L. Lacheta (Germany)  
E. Guerra (Italy)

**FP20-01**  
*Reconstruction of the coracoclavicular and acromioclavicular ligaments with semitendinosus tendon graft: results at 7 years follow up*  
A. Salvi (Italy)  
16:30 - 16:36

**FP20-02**  
*A comparative study of the clinical and radiological outcomes of two techniques for coracoclavicular reconstruction for acromioclavicular joint dissociation*  
16:36 - 16:42

**FP20-03**  
*The double Krackow suture technique could be an alternative option in subpectoral biceps tenodesis using a double-loaded suture anchor*  
C.-K. Hong (Taiwan, Province of China)  
16:42 - 16:48

**FP20-04**  
*Crosse coracoclavicular suture loop can correct both horizontal and vertical displacement in acute type III, IV and V acromioclavicular separations*  
16:48 - 16:54
Scientific Programme

FP20-05 Superior Labrum Anterior-Posterior (SLAP) repair versus subpectoral biceps tenodesis for isolated SLAP II lesions in overhead athletes aged younger 35 years: a comparison of minimum two-year outcomes
L. Lacheta (Germany)

16:54 - 17:00

Symposia
16:30 - 17:30 Space 2 - Hip

SY44, Rare but potentially important injuries around the skeletally immature knee

Chairs:
I. Pengas
F. Chotel

SY44-1 Isolated RAMP lesion
R. Seil (Luxembourg) 16:30 - 16:42

SY44-2 Isolated popliteus tendon avulsion
I. Pengas 16:42 - 16:54

SY44-3 Patella sleeve
L. Laver 16:54 - 17:06

SY44-4 Cartilagenous tibial eminence avulsions
F. Chotel 17:06 - 17:18

SY44-5 PCL femoral peel-off
L. Farrow (United States) 17:18 - 17:30

Radiology Workshop
16:30 - 18:00 Space 3 - AFAS

RW04, MR imaging of the ankle & foot - What the orthopaedic surgeon should know!

Chairs:
G. Lefebvre (France)
B. Fritz (Switzerland)

RW04-1 Introduction
G. Lefebvre (France) 16:30 - 16:35
B. Fritz (Switzerland)

RW04-2 Ankle ligament injuries
F. Del Grande (Switzerland) 16:35 - 16:55

RW04-3 Midtarsal injuries
A. Hirschmann (Switzerland) 16:55 - 17:15

RW04-4 Lisfranc injuries
B. Fritz (Switzerland) 17:15 - 17:35

RW04-5 MTP joint injuries
N. Saupe (Switzerland) 17:35 - 17:55
**Scientific Programme**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>17:55 - 18:00</td>
<td>Discussion &amp; Closing Down</td>
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<tr>
<td>G. Lefebvre (France)</td>
<td>B. Fritz (Switzerland)</td>
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</table>

**Free Papers**

16:30 - 17:00 Space 4 - ESMA

**FP21, Free Papers - ACL - Return to sports II**

**Chairs:**
D. Togninalli (Switzerland)
A. Benjaminse (Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>16:30 - 16:36</td>
<td>No shortcuts to success: an assessment of success rates using different batteries of tests and patient-reported outcomes after ACL reconstruction</td>
<td>R. Piussi (Sweden)</td>
</tr>
<tr>
<td>16:36 - 16:42</td>
<td>The performance of single leg hop tests in ACL-reconstructed children one-year after surgery compared to matched controls</td>
<td>FP21-02</td>
</tr>
<tr>
<td>16:30 - 17:00</td>
<td>Systematic video analysis of ACL injuries in elite male football (soccer) players: situational patterns and injury mechanism study on 134 consecutive cases</td>
<td>F. Della Villa (Italy)</td>
</tr>
<tr>
<td>16:48 - 16:54</td>
<td>Why do athletes fail to return following anterior cruciate ligament reconstruction?</td>
<td>J.P. Toale (Ireland)</td>
</tr>
<tr>
<td>16:54 - 17:00</td>
<td>Reasons for not returning to the same pre-injury level in non-professional men soccer players after ACL reconstruction</td>
<td>Z. Nawasreh (Jordan)</td>
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**FP22, Free Papers - ACL: Revision and complications**

**Chairs:**
J. Murgier (New Zealand)
F.M. Klenke (Switzerland)

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>16:30 - 16:36</td>
<td>Patients who have undergone both primary and revision ACL reconstruction - how do concomitant injuries and patient-reported outcome differ between the surgeries?</td>
<td>E. Svantesson (Sweden)</td>
</tr>
<tr>
<td>16:36 - 16:42</td>
<td>Revising a double-bundle anterior cruciate ligament</td>
<td>T. Järvelä (Finland)</td>
</tr>
<tr>
<td>16:42 - 16:48</td>
<td>Re-revision anterior cruciate ligament reconstruction showed more laxity than revision anterior cruciate ligament reconstruction at a minimum 2-year follow-up</td>
<td>FP22-03</td>
</tr>
</tbody>
</table>
Scientific Programme

FP22-04  Revision ACL reconstruction - a failure analysis with a mean follow up of 35 months  16:48 - 16:54

FP22-05  Single-stage revision anterior cruciate ligament reconstruction: experience with 92 cases (41 elite athletes), using an algorithm  16:54 - 17:00

FP22-06  Revision anterior cruciate ligament reconstruction is associated with increased frequency and severity of intra-articular pathology, lower quality of life scores and reduced function at 2-years after surgery  L.A. Hiemstra (Canada)  17:00 - 17:06

FP22-07  Perceived risk of reinjury before and after anterior cruciate ligament reconstruction surgery  K. Webster (Australia)  17:06 - 17:12

FP22-08  Professional athletes are at higher risk of septic arthritis after ACL reconstruction. An analysis of 4421 consecutive patients including 265 elite athletes  17:12 - 17:18

FP22-09  Revision risk of soft tissue allograft versus hybrid graft following anterior cruciate ligament reconstruction  17:18 - 17:24

FP22-10  Incidence and causes of reoperation within two years of primary anterior cruciate ligament reconstruction  A. Stålman (Sweden)  17:24 - 17:30

FP22-11  Complications after Anterior Cruciate Ligament reconstruction and their relation to the type of graft: a prospective study of 958 cases  K. Makridis (Greece)  17:30 - 17:36

FP22-12  Graft diameter and graft type as predictors of anterior cruciate ligament revision: a cohort study from the Swedish and Norwegian National Knee Ligament Registries based on 18,425 patients  E. Hamrin Senorski (Sweden)  17:36 - 17:42

FP22-13  Does a thicker hamstring or patella tendon graft reduce the failure rate in anterior cruciate ligament reconstruction in young patients?  J. Murgier (New Zealand)  17:42 - 17:48

FP22-15  Non-anatomic tunnel position increases the risk of revision anterior cruciate ligament reconstruction  17:54 - 18:00

Symposia
17:00 - 18:00  Brown 3 - EKA

SY45, EKA - Optimal femoral and tibial alignment in TKA

Chairs:
B. Violante (Italy)
O. Kessler

SY45-1  Reliability of femoral anatomical landmarks - Which is the best?  17:00 - 17:12
O. Russu

SY45-2  Reliability of tibial anatomical landmarks - Which is the best?  17:12 - 17:24
A. Schiavone Panni (Italy)
Scientific Programme

SY45-3  How to find these landmarks intraoperatively?  17:24 - 17:36
O. Kessler

SY45-4  How good is ligament balancing for optimal femoral rotation? Influence of femoral rotation on outcome?  17:36 - 17:48
R. Varatojo (Portugal)

SY45-5  What is the safe zone for tibial and femoral rotation?  17:48 - 18:00
M. Saffarini (Switzerland)

Symposia
17:00 - 18:00
Space 1 - ESA

SY46, ESSKA and FORTE Young Surgeon's Forum - SHOULDER

Chairs:
K. Bak (Denmark)
E. Ercin (Turkey)

SY46-1  AC joint dislocations: Open  17:00 - 17:12
A. Cartucho

SY46-2  AC joint dislocations: Arthroscopic repair  17:12 - 17:24
F. Zampeli (France)

SY46-3  SLAP lesions: Repair  17:24 - 17:36
A. Castagna (Italy)

SY46-4  SLAP lesions: Tenotomy  17:36 - 17:48
K. Bak (Denmark)

SY46-5  Update about shoulder rehabilitation in AC joint pathologies or SLAP lesions  17:48 - 18:00
E. Ercin (Turkey)

Symposia
17:00 - 18:00
Space 4 - ESMA

SY47, Knee sports injuries: Is patient sex important? (organised by "women in ESSKA")

Chairs:
K. Tecklenburg
B. Bøe

SY47-1  Knee injuries in alpine skiing - A female ski racer's fate or just coincidence?  17:00 - 17:12
K. Tecklenburg

SY47-2  ACL injury prevention in female athletes  17:12 - 17:24
A. Stöhr (Germany)

SY47-3  Graft choice for ACL reconstruction in female athletes  17:24 - 17:36
E. Svantesson (Sweden)
**Scientific Programme**

**SY47-4**  Anatomical factors and patient sex influencing ACL injury  
U. Zdanowicz (Poland)  
17:36 - 17:48

**SY47-5**  Multiligament injuries in female athletes  
B. Bøe  
17:48 - 18:00

Symposia  
17:30 - 18:30  
Gold Plenary

**SY48, Bone edema of the knee joint: Where are we today?**

**Chairs:**
M. Berruto (Italy)  
N. Shabshin (Israel)

**SY48-1**  Bone marrow edema of the knee joint - Where are we today?  
M. Berruto (Italy)  
17:30 - 17:42

**SY48-2**  Radiological classification of bone marrow edema of the knee  
N. Shabshin (Israel)  
17:42 - 17:54

**SY48-3**  Influence of bone edema on outcomes of knee surgery: Is there any evidence?  
S. Nehrer (Austria)  
17:54 - 18:06

**SY48-4**  Surgical treatment of bone marrow edema lesions of the knee  
E. Kon (Italy)  
18:06 - 18:18

**SY48-5**  Surgical treatment of bone marrow edema lesions of the knee - My algorithm  
P.S. Randelli (Italy)  
18:18 - 18:30

Symposia  
17:30 - 18:30  
Auditorium

**SY49, The choice is yours: Tips and tricks in ACL refixation and graft harvesting techniques**

**Chairs:**
C. Bait (Italy)  
P. Henle (Switzerland)

**SY49-1**  My perfect ACL refixation technique: Dynamic stabilisation technique  
P. Henle (Switzerland)  
17:30 - 17:42

**SY49-2**  My perfect ACL refixation technique: Anchor refixation  
A. Achtenich (Germany)  
17:42 - 17:54

**SY49-3**  My perfect harvesting and preparation technique: Hamstrings  
T. Zantop (Germany)  
17:54 - 18:06

**SY49-4**  My perfect harvesting and preparation technique: Quadriceps tendon  
W. Petersen (Germany)  
18:06 - 18:18
SY49-5  My perfect harvesting and preparation technique: Patellar tendon
M. Strauss (Norway)  18:18 - 18:30

Free Papers
17:30 - 18:30

FP23, Free Papers - Meniscus repair
Chairs:
P. Beaufils (France)

FP23-01  Comparison of survivorship and long-term clinical outcomes between meniscectomy and repair in medial meniscus posterior root tears: a minimum 10-year follow-up  17:30 - 17:36
FP23-02  Clinical and radiological assessment of patients 1-4 years after fixation of posterior root of the medial or lateral meniscus  17:36 - 17:42
FP23-03  Return to sport to pre-injury level can be achieved after meniscal repair for high level athletes  17:42 - 17:48
FP23-04  Meniscus ramp lesion increases knee instability in ACL injured knee  17:48 - 17:54
FP23-05  Quantitative evaluation of dynamic lateral meniscal extrusion following repair of radial tears
P. Winkler (Austria)  17:54 - 18:00
FP23-06  Medial meniscus posterior root repair reduces a posteromedial extrusion volume of the meniscus at knee flexion: a 3D MRI analysis  18:00 - 18:06
FP23-07  Optimal tibial fixation for trans osseous meniscal root repair: a biomechanical study  18:06 - 18:12
FP23-08  The incidence and magnetic resonance imaging diagnosis of lateral meniscocapsular junction tears in patients with anterior cruciate ligament injuries  18:12 - 18:18
FP23-09  Clinical characteristics and outcomes following primary ACL reconstruction and inside-out medial meniscal ramp repair  18:18 - 18:24

Free Papers
17:30 - 18:30

FP24, Free Papers - ACL II
Chairs:
T. Diermeier (Germany)
G. Zanon (Italy)

FP24-01  Anterior cruciate ligament inclination angles on the coronal and sagittal planes after reconstructions by different techniques  17:30 - 17:36
FP24-02  Knee laxity assessment by inertial sensors with KneeMap©: analyze of the correlation with IKDC grading pivot shift on 50 patients with unilateral ACL rupture  17:36 - 17:42
**Scientific Programme**

| FP24-03   | Patient-reported and quantitative pivot shift outcomes of anatomic ACL reconstruction with hamstring tendon autografts | 17:42 - 17:48 |
| FP24-04   | Laterally shifted tibial tunnel degrades sagittal and rotatory knee stability for double-bundle anterior cruciate ligament reconstruction | 17:48 - 17:54 |
| FP24-05   | Clinical outcomes after anatomical double-bundle anterior cruciate ligament reconstruction between outside-in and trans-portal techniques | 17:54 - 18:00 |
| FP24-06   | Long-term clinical outcomes of transtibial single bundle anterior cruciate ligament reconstruction using quadriceps tendon-bone autograft: a minimum 7 years follow up | 18:00 - 18:06 |
| FP24-07   | Early ROM exercise after ACLR with hamstring autograft does not cause joint laxity: prospective randomized controlled trial | 18:06 - 18:12 |
| FP24-08   | Motor unit properties of knee muscles after ACL tears: comparisons between patients after primary and secondary injury | 18:12 - 18:18 |
| FP24-09   | Traumatic rupture is more realistic than ligament cutting for in-vitro studies of ACL reconstruction | 18:18 - 18:24 |
| FP24-10   | Comparison of associated injuries in bilateral non-simultaneous anterior cruciate ligament tears. An analysis during a single-stage reconstruction | 18:24 - 18:30 |

**Meetings**

| ME07, EKA Section Members Meeting | 18:00 - 18:30 | Brown 3 - EKA |
| ME08, ESA Section Members Meeting | 18:00 - 18:30 | Space 1 - ESA |
| ME09, AFAS Section Members Meeting | 18:00 - 18:30 | Space 3 - AFAS |
| ME10, ESMA Section Members Meeting | 18:00 - 18:30 | Space 4 - ESMA |
Scientific Programme

Social Event
18:30 - 19:00
Gold View Lounge

ME11, Fellowship Reception

Social Event
19:15 - 20:15
Panorama Lounge

ME12, KSSTA/JEO Reception
Thursday 13 May 2021

Instructional Course Lecture
07:30 - 09:00  Gold Plenary

ICL21, Anterior Cruciate Ligament Revision Surgery: How to manage from simple to complex cases

Chairs:
V. Condello (Italy)
K. Eriksson (Sweden)

ICL21-1  Preoperative planning of ACL Revision: Do we need different strategies based on primary ACLR?
C. Hoser (Austria)  07:30 - 07:45

ICL21-2  The imaging path to address ACL Revision from the ACL re-rupture to a post-surgical evaluation
C. Bait (Italy)  07:45 - 08:00

ICL21-3  Surgical technique: what I would do in different situations (one and two steps, graft choice)
J. Menetrey (Switzerland)  08:00 - 08:15

ICL21-4  Complications and return to sport
K. Samuelsson (Sweden)  08:15 - 08:30

ICL21-5  Lateral external tenodesis and other associated surgery: When, why and how
S. Scheffler (Germany)  08:30 - 08:45

ICL21-6  Rehab: Should we consider a personalised recovery program?
F. Della Villa (Italy)  08:45 - 09:00

Instructional Course Lecture
07:30 - 09:00  Auditorium

ICL22, Modern cartilage regeneration

Chairs:
P. Angele (Germany)
A. Gomoll (United States)

ICL22-1  What can we learn from a cartilage registry?
P. Niemeyer (Germany)  07:30 - 07:48

ICL22-2  Is microfracture still an up-to-date cartilage procedure?
S. Nehrer (Austria)  07:48 - 08:06

ICL22-3  How much degeneration can be accepted for autologous chondrocyte transplantation?
P. Angele (Germany)  08:06 - 08:24
Scientific Programme

ICL22-4  Huge osteochondral defects - State-of-the-art treatment  08:24 - 08:42
  A. Gomoll (United States)

ICL22-5  Cell-free biomaterials - Indications and borders  08:42 - 09:00
  G. Filardo (Italy)

Instructional Course Lecture
07:30 - 09:00  Brown 3 - EKA

ICL23, Surgical techniques in revision TKA - Best practice

Chairs:
M.T. Hirschmann (Switzerland)
P.P. Koch (Switzerland)

ICL23-1  Balancing the flexion gap  07:30 - 07:45
  M. Pietsch (Austria)

ICL23-2  Balancing the extension gap  07:45 - 08:00
  S. Eggli (Switzerland)

ICL23-3  Navigation for revision TKA  08:00 - 08:15
  J.-Y. Jenny (France)

ICL23-4  Tibial tubercle osteotomy  08:15 - 08:30
  P.P. Koch (Switzerland)

ICL23-5  Salvage procedures for extensor apparatus insufficiency  08:30 - 08:45
  M.J. Gamelas

ICL23-6  Implant removal  08:45 - 09:00
  M.T. Hirschmann (Switzerland)

Instructional Course Lecture
07:30 - 09:00  Brown 1+2

ICL24, MPFL reconstruction - Modern approach

Chairs:
L. Blond (Denmark)
P. Schöttle (Germany)

ICL24-1  Anatomy  07:30 - 07:45
  P.M. Tscholl (Austria)

ICL24-2  Biomechanics  07:45 - 08:00
  G. Pagenstert (Switzerland)

ICL24-3  Reconstruction with gracilis autograft  08:00 - 08:15
  M. Vieira da Silva (Portugal)

ICL24-4  Reconstruction with quadriceps autograft  08:15 - 08:30
  W. Petersen (Germany)
Scientific Programme

ICL24-5  Reconstruction with adductor magnus autograft  08:30 - 08:45  
P. Sillanpää (Finland)

ICL24-6  Pearls, pitfalls, and complications  08:45 - 09:00  
P. Schöttle (Germany)

Instructional Course Lecture  
07:30 - 09:00  
Space 1 - ESA

ICL25, Current evolutions in the treatment for acromioclavicular joint instability  
Chairs:  
F. Martetschläger (Germany)  
C. Rosso (Switzerland)

ICL25-1  Rationale for indication in acute acromioclavicular joint dislocations  07:30 - 07:45  
C. Rosso (Switzerland)

ICL25-2  Is there a true advantage for the arthroscopically assisted repair over hook-plate stabilisation?  07:45 - 08:00  
P. Heuberer (Austria)

ICL25-3  Vertical stabilisation: one or two tunnels?  08:00 - 08:15  
L. Kovacic (Slovenia)

ICL25-4  Always address horizontal instability? When, why and how?  08:15 - 08:30  
K. Beitzel (Germany)

ICL25-5  What to do if it goes wrong? Solutions after failure  08:30 - 08:45  
F. Martetschläger (Germany)

ICL25-6  Indication and technique for graft augmentation in chronic instability. Is there a consensus?  08:45 - 09:00  
F. Dyrna (Germany)

Instructional Course Lecture  
07:30 - 09:00  
Space 2 - Hip

ICL26, Advanced hip arthroscopy: What’s new?  
Chairs:  
A. Bajwa (United Kingdom)  
O. Marín-Peña (Spain)

ICL26-1  Arthroscopic management of Cam lesion  07:30 - 07:45  
A. Papavasiliou (Greece)

ICL26-2  Modern approach to handling Pincer impingement  07:45 - 08:00  
N. Bonin (France)

ICL26-3  Labrum: When to repair or graft?  08:00 - 08:15  
B. Lund (Denmark)
Scientific Programme

ICL26-4  Update on chondral repair techniques  08:15 - 08:30  
V. Khanduja (United Kingdom)

ICL26-5  Soft tissue management in hip instability  08:30 - 08:45  
O. Ayeni (Canada)

ICL26-6  Deep gluteal pain syndrome and role of hip arthroscopy  08:45 - 09:00  
L. Perez-Carro (Spain)

Instructional Course Lecture  
07:30 - 09:00  
Space 3 - AFAS

ICL27, Treatment of posterior cruciate ligament injuries  

Chairs:  
J.C. Monllau (Spain)  
E. Alentorn-Geli (Spain)

ICL27-1  Treatment of complete PCL injuries with instability: My standard PCL reconstruction (single bundle)  07:30 - 07:45  
R. Cugat (Spain)

ICL27-2  Treatment of partial PCL injuries: From PRGF infiltration to a specific knee brace  07:45 - 08:00  
D. Barastegui (Spain)

ICL27-3  Treatment of complete PCL injuries with instability: My standard PCL reconstruction (double bundle)  08:00 - 08:15  
A. Wilson (United Kingdom)

ICL27-4  Treatment of combined PCL injuries: PCL and PLC reconstruction  08:15 - 08:30  
G. Milano (Italy)

ICL27-5  Treatment of combined PCL injuries: Bicruciate reconstruction  08:30 - 08:45  
B. Sonnery-Cottet (France)

ICL27-6  Platt’s Syndrome: A nerve complication associated with ligament injuries  08:45 - 09:00  
M. Llusá (United States)

Instructional Course Lecture  
07:30 - 09:00  
Space 4 - ESMA

ICL28, Biologic therapies in orthopaedics and sports medicine  

Chairs:  
E. Alentorn-Geli (Spain)  
G. Samitier (Spain)

ICL28-1  Understanding what PRP are and how they work  07:30 - 07:45  
G. Filardo (Italy)

ICL28-2  Growth factors for the treatment of myotendinous injuries  07:45 - 08:00  
N. Maffulli (United Kingdom)
Scientific Programme

ICL28-3  Growth factors for the treatment of ligamentous injuries  08:00 - 08:15  
M. Sánchez (Spain)

ICL28-4  Growth factors for the treatment of meniscal injuries  08:15 - 08:30  
R. Kaminski (Poland)

ICL28-5  Current applications of stem cell therapy in orthopaedics and sports medicine  08:30 - 08:45  
A. Gobbi (Italy)

ICL28-6  Growth factors for the treatment of cartilage injuries  08:45 - 09:00  
R. Cugat (Spain)

Instructional Course Lecture  
07:30 - 09:00  
Amber 1+2

ICL29, Arthroscopic advanced techniques around the elbow

Chairs:  
A. Watts (United Kingdom)  
L.A. Pederzini (Italy)

ICL29-1  How to get in, create a space and start the job  07:30 - 07:52  
H.T. Çift (Turkey)

ICL29-2  Elbow arthroscopic arthrolysis step by step  07:52 - 08:14  
J. Phadnis (United Kingdom)

ICL29-3  ARIF around the elbow  08:14 - 08:36  
E. Guerra (Italy)

ICL29-4  Arthroscopic assisted treatment of instability  08:36 - 08:58  
P. Arrigoni (Italy)

E-posters  
09:00 - 17:00  
Exhibition South Hall

E-Posters

ESSKA General Assembly  
09:00 - 09:45  
Gold Plenary

ESSKA General Assembly

Team Physician Programme  
09:00 - 13:00  
Amber 5+6

TP04, C. MORE FREquent INJURIES I - DIAGNOSIS, TREATMENT AND RETURN TO SPORTS
Scientific Programme

TP04-3  Shoulder, elbow and hand injuries  09:00 - 09:30  
M. Karahan (Turkey)

TP04-1  Tendon injuries  09:30 - 10:00  
M. Carmont (United Kingdom)

Coffee Break  10:00 - 10:30

TP04-2  Muscle injuries  10:30 - 11:00  
J. Puigdellivol

TP04-4  Groin pain  11:00 - 11:30  
P. Hoelmich (Denmark)

Lunch Break  11:30 - 12:30

Nurse Course
09:00 - 17:30  Amber 7+8

Italian Nurse Course

Awards
09:45 - 10:00  Gold Plenary

AW03, ESSKA Awards

Highlight Lecture
10:30 - 11:00  Gold Plenary

HL11, Functional reconstruction of the knee: From sports medicine to joint reconstruction

Chairs:
P. Neyret (Spain)
M. Steinwachs (Switzerland)

HL11  Functional reconstruction of the knee: From sports medicine to joint reconstruction  10:30 - 11:00  
M. Marcacci (Italy)

Symposia
10:30 - 11:30  Auditorium

SY50, ACL revision surgery: Video collection and debates on surgical tips and tricks

Chairs:
J. Menetrey (Switzerland)
C. Bait (Italy)
### Scientific Programme

<table>
<thead>
<tr>
<th>SY50-1</th>
<th>Common reasons for failure in ACL surgery</th>
<th>10:30 - 10:40</th>
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<tbody>
<tr>
<td>J.I. Cardona Medina (Mexico)</td>
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<thead>
<tr>
<th>SY50-2</th>
<th>Imaging and arthroscopic view: Correspondence in different surgical situations</th>
<th>10:40 - 10:50</th>
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<tbody>
<tr>
<td>A. Grassi (Italy)</td>
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<tr>
<th>SY50-3</th>
<th>How to manage an inadequately placed tibial and femoral tunnel</th>
<th>10:50 - 11:00</th>
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<tbody>
<tr>
<td>K. Eriksson (Sweden)</td>
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<tr>
<th>SY50-4</th>
<th>Surgical strategy managing PLC and PMC reconstruction together with ACL revision</th>
<th>11:00 - 11:10</th>
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<tr>
<td>M.W. Rathcke (Denmark)</td>
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<tr>
<th>SY50-5</th>
<th>Osseous abnormalities: Which kind of osteotomy should we perform after a failed ACL reconstruction? Indication and associated technical details</th>
<th>11:10 - 11:20</th>
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<tbody>
<tr>
<td>A. Wilson (United Kingdom)</td>
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<tr>
<th>SY50-6</th>
<th>One- and two-step revision: Should we aim to compromise? Tips and tricks in a case series from the ACL Revision Committee group</th>
<th>11:20 - 11:30</th>
</tr>
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<tbody>
<tr>
<td>V. Condello (Italy)</td>
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### Symposia

10:30 - 11:30 Brown 3 - EKA

**SY51, EKA - Myth-busting session - Primary TKA**

**Chairs:**
- J.L. Briard (France)
- B. Innocenti (Belgium)

<table>
<thead>
<tr>
<th>SY51-1</th>
<th>Tourniquet - Yes/no?</th>
<th>10:30 - 10:40</th>
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<tbody>
<tr>
<td>M. Niemeläinen (Finland)</td>
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<thead>
<tr>
<th>SY51-2</th>
<th>Thromboembolic prophylaxis - What, why and when?</th>
<th>10:40 - 10:50</th>
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<tbody>
<tr>
<td>M. Bozkurt (Turkey)</td>
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<tr>
<th>SY51-3</th>
<th>Cementing - What is the best technique?</th>
<th>10:50 - 11:00</th>
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<tbody>
<tr>
<td>P. Walmsley</td>
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<tr>
<th>SY51-4</th>
<th>Navigation - Yes /no?</th>
<th>11:00 - 11:10</th>
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<tbody>
<tr>
<td>H. Graichen (Germany)</td>
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<tr>
<th>SY51-5</th>
<th>PSI - Yes/no?</th>
<th>11:10 - 11:20</th>
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<tr>
<th>SY51-6</th>
<th>How important is the prosthesis?</th>
<th>11:20 - 11:30</th>
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<tr>
<td>J.M. Brinkman (Netherlands)</td>
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</table>
FP25, Free Papers - Patellofemoral disorders

Chairs:
L. Blond (Denmark)
E. Arendt (United States)

FP25-01  A pre-operative grade 3 J-sign adversely affects short-term clinical outcome and is more likely to yield MPFL residual graft laxity in recurrent patellar dislocation  10:30 - 10:36

FP25-02  Increased femoral anteversion is related with inferior clinical outcomes in recurrent patellar dislocation patients treated with MPFL reconstruction and combined tibial tubercle osteotomy  10:36 - 10:42
Y. Li (China)

FP25-03  Isolated MPFL reconstruction leads to worse clinical outcomes and a higher failure rate for recurrent patellar dislocation with severe patellar maltracking than combined MPFL reconstruction and derotational distal femoral osteotomy  10:42 - 10:48

FP25-04  Biomechanical evaluation of three widespread patellar fixation techniques in medial patellofemoral ligament reconstruction  10:48 - 10:54

FP25-05  Deepening trochleoplasty combined with balanced MPFL reconstruction for an adequate graft tensioning  10:54 - 11:00

FP25-06  Medial quadriceps tendon turn down flap versus autogenous semitendinosus medial border patellar anchor fixation for reconstruction in isolated medial patellofemoral ligament (MPFL) injury  11:00 - 11:06
A. Rashwan (Egypt)

FP25-07  Are we able to reproduce the good results of patella stabilising surgery from studies in real life clinical practice?  11:06 - 11:12

FP25-08  Anatomical study on fresh frozen knees of the MPFL: guiding points for surgical reconstruction  11:12 - 11:18

FP25-09  Cartilage repair in pediatric patellofemoral chondral defects treated with particulated juvenile allograft cartilage: an MRI analysis  11:18 - 11:24

FP25-10  The role of coronal plane alignment in patients with patella instability and patella alta  11:24 - 11:30

FP25-11  Patella external rotation test for patellar instability  11:30 - 11:36

FP25-12  Alignment changes after open-wedge high tibial osteotomy do not adversely affect the patellofemoral joint: a SPECT/CT analysis  11:36 - 11:42
J.A. Sim (Korea, Republic of)

S. Reppenhagen (Germany)

FP25-14  Complications following anteromedialization tibial tubercle osteotomy: does hinge disruption matter?  11:48 - 11:54

FP25-15  Functional and radiological outcomes of patellofemoral joint arthroplasty using a new generation onlay implant  11:54 - 12:00
Free Papers
10:30 - 11:00

**FP26, Free Papers - Shoulder degenerative**

**Chairs:**
O. Lorbach (Germany)
M. Karahan (Turkey)

**FP26-01** Minimum 2 years outcomes of powerlifters and bodybuilders with advanced glenohumeral arthritis, managed with stemless aspherical humeral head resurfacing and inlay glenoid

L. Vargas (United States)

10:30 - 10:36

**FP26-02** No relationship between critical shoulder angle and glenoid erosion after shoulder hemiarthroplasty: a comparative radiographic study

10:36 - 10:42

**FP26-03** Sterno-clavicular arthroscopy is a safe and effective procedure - experience with 67 cases

10:42 - 10:48

**FP26-04** Clinical results of bony increased-offset reverse shoulder arthroplasty (BIO-RSA) associated with an onlay 145° curved stem in patients with cuff tear arthropathy: a comparative study

E. Franceschetti (Italy)

10:48 - 10:54

**FP26-05** Total shoulder arthroplasty outcomes after minimally non-corrective reaming of B2 glenoids

L. Lacheta (Germany)

10:54 - 11:00

**Keynote Lecture**
10:30 - 11:00

**KL14, Hip Keynote Lecture - Does hip preservation surgery actually preserve the hip?**

**Chairs:**
N. Bonin (France)
A. Papavasiliou (Greece)

**KL14-1** Does hip preservation surgery actually preserve the hip?

V. Khanduja (United Kingdom)

10:30 - 10:50

**KL14-2** Discussion

10:50 - 11:00

**Keynote Lecture**
10:30 - 11:00

**KL15, ESA Keynote Lecture**

**Chairs:**
G. Milano (Italy)
G. Di Giacomo (Italy)

**KL15-1** The athlete's shoulder: Update 2020

M.T. Provencher

10:30 - 10:50
Scientific Programme

**Free Papers**

**FP27, Free Papers - Basic science and cartilage**

**Chairs:**
S. Chubinskaya (United States)

- **FP27-01** Enzymatic and non-enzymatic separation methods comparison for isolation and characterization of the adipose-derived stromal stem cells: preliminary results 10:30 - 10:36
- **FP27-02** Unravelling the potential of the secretome of adipose-derived stromal cells against osteoarthritis: molecular characterization and in vitro evidences 10:36 - 10:42
- **FP27-03** Synovial fluid cytokine profiles following anterior cruciate ligament injury in adolescent patients 10:42 - 10:48
- **FP27-04** The effect of different microfracture/marrow access techniques on subchondral bone 10:48 - 10:54
- **FP27-05** Subchondroplasty for bone marrow lesions in the arthritic knee results in early pain relief and return to function: a prospective study 10:54 - 11:00
  Y.B.J. Kang (Singapore)
- **FP27-06** miRNA cargo and interaction with hyaluronan matrix through CD44 binding are crucial factors to support therapeutic potential of mesenchymal stem cell-derived extracellular vesicles in an in vitro model of human osteoarthritic synoviocytes 11:00 - 11:06
  E. Ragni (Italy)
- **FP27-07** Joint fluid was decreased after platelet rich plasma (PRP) therapy in the patients with knee osteoarthritis 11:06 - 11:12
  S. Uchino (Japan)
- **FP27-08** Is there a chance to repair avascular meniscus lesions within a one-step procedure? - study in a New Zealand White rabbit model 11:12 - 11:18
- **FP27-09** MRI T2 mapping values in post meniscectomy knee articular cartilage upon running - early signs of osteoarthritis? 11:18 - 11:24
- **FP27-10** Efficacy of non-operative treatment of knee arthrofibrosis using high-intensity home mechanical therapy: results from 11,000+ patients 11:24 - 11:30

**FP28, Free Papers - Elbow**

**Chairs:**
C. Rosso (Switzerland)
### Scientific Programme

**FP28-01**  
**Title:** Arthroscopic treatment of anteromedial coronoid fracture: complete functional recovery at a two-years average follow up  
**Time:** 10:30 - 10:36

**FP28-02**  
**Title:** The effect of early elbow contracture arthroscopic release after open reduction and internal fixation with olecranon osteotomy of intraarticular fractures of the distal humerus  
**Presenter:** P. Reichert (Poland)  
**Time:** 10:36 - 10:42

**FP28-03**  
**Title:** Costal osteochondral autograft for advanced osteochondritis dissecans of the elbow: long-term clinical outcomes with a mean follow-up of 6.8 years  
**Presenter:** K. Sato (Japan)  
**Time:** 10:42 - 10:48

**FP28-04**  
**Title:** Objective and subjective outcomes after total elbow arthroplasty in a high-volume, non-design centre: a retrospective study  
**Time:** 10:48 - 10:54

**FP28-05**  
**Title:** Anatomical study regarding radioulnar ligament attachment to the styloid process of the ulna  
**Time:** 10:54 - 11:00

### Symposia

**SY52, Evidence on MCL injuries and AMRI**

**Chairs:**  
A. Amis (United Kingdom)  
L. Engebretsen (Norway)

**SY52-1**  
**Title:** Influence of chronic MCL laxity on outcome of ACL reconstruction  
**Presenter:** S. Zaffagnini (Italy)  
**Time:** 11:00 - 11:07

**SY52-2**  
**Title:** MCL and POL attachments and their isometry  
**Presenter:** L. Willinger (Germany)  
**Time:** 11:07 - 11:14

**SY52-3**  
**Title:** Medial-side restraints to knee laxity and AMRI  
**Presenter:** S. Ball (United Kingdom)  
**Time:** 11:14 - 11:21

**SY52-4**  
**Title:** Dynamic restraints of AMRI: Semimembranosus revisited  
**Presenter:** C. Kittl (Germany)  
**Time:** 11:21 - 11:28

**SY52-5**  
**Title:** Danish MCL-POL reconstruction and improved stability in Danish knee ligament registry  
**Presenter:** M. Lind (Denmark)  
**Time:** 11:28 - 11:35

**SY52-6**  
**Title:** Norwegian-American MCL-POL reconstruction and clinical outcomes  
**Presenter:** L. Engebretsen (Norway)  
**Time:** 11:35 - 11:42

**SY52-7**  
**Title:** Deep MCL injury in footballers  
**Presenter:** A. Williams (United Kingdom)  
**Time:** 11:42 - 11:49

**SY52-8**  
**Title:** Discussion  
**Time:** 11:49 - 11:59
Symposia
11:00 - 12:00

**SY53, Complications in shoulder surgery: Hoping for the best, planning for the worst**

**Chairs:**
G. Samitier (Spain)
G. Milano (Italy)

**SY53-1** Massive postero-superior cuff tears: Not sure if this cuff is fixable!  
11:00 - 11:12

**SY53-2** Retracted subscapularis tears: This tendon is not moving!  
J. Kany  
11:12 - 11:24

**SY53-3** Arthroscopic latarjet: We’ve got an issue here!  
E. Calvo (Spain)  
11:24 - 11:36

**SY53-4** Glenoid fractures: I can fix this arthroscopically!  
E. Taverna (Italy)  
11:36 - 11:48

**SY53-5** AC joint reconstruction: Intraoperative difficulties and postoperative failures!  
A. Imhoff (Germany)  
11:48 - 12:00

Symposia
11:00 - 12:00

**SY54, Everything about the psoas**

**Chairs:**
N. Bonin (France)
O. Marín-Peña (Spain)

**SY54-1** Painful snapping ilio-psoas: When and where to cut?  
11:00 - 11:12

**SY54-2** Labro-psoas impingement: Does it really exist?  
O. Marín-Peña (Spain)  
11:12 - 11:24

**SY54-3** Cup-psoas impingement: Early results of ilio-psoas tenotomy  
M. Safran  
11:24 - 11:36

**SY54-4** Cup-psoas impingement: Are there limits to endoscopic tenotomy?  
N. Bonin (France)  
11:36 - 11:48

**SY54-5** Is there anything else than psoas we can release in the painful THA?  
11:48 - 12:00

Symposia
11:00 - 12:00

**SY55, Should we ever repair Achilles tendon rupture? Summary of evidence**

**Chairs:**
N. Malliaropoulos
P. Ackermann (Sweden)
Scientific Programme

SY55-1  
RCT of operative and non-operative management following Achilles tendon rupture  
C. Pearce (United Kingdom)  
11:00 - 11:10

SY55-2  
RCT of open repair, percutaneous repair and non-operative treatment following Achilles tendon rupture  
S. Myhrvold (Norway)  
11:10 - 11:20

SY55-3  
Anatomical Achilles tendon repair: Is it the turn of the Achilles tendon?  
L. Weisskopf (Switzerland)  
11:20 - 11:30

SY55-4  
Distal Achilles tendon reinsertion  
H. Lohrer  
11:30 - 11:40

SY55-5  
Turndown and free flaps for improved security  
K. Nilsson-Helander (Sweden)  
11:40 - 11:50

SY55-6  
So what does this all mean? Summary of management according to current evidence  
N. Maffulli (United Kingdom)  
11:50 - 12:00

Symposia  
11:00 - 12:00

SY56, Rotational impairment of the forearm and forearm instability

Chairs:  
A. Watts (United Kingdom)  
A. Kämpfen (Switzerland)

SY56-1  
Rotational impairment of the forearm and forearm instability  
A. Watts (United Kingdom)  
11:00 - 11:12

SY56-2  
Rotational impairment of the forearm and forearm instability  
A. Kämpfen (Switzerland)  
11:12 - 11:24

SY56-3  
Rotational impairment of the forearm and forearm instability  
R. Barco (Spain)  
11:24 - 11:36

SY56-4  
Rotational impairment of the forearm and forearm instability  
P. Honigmann (Switzerland)  
11:36 - 11:48

SY56-5  
Rotational impairment of the forearm and forearm instability  
P. Arrigoni (Italy)  
11:48 - 12:00

Keynote Lecture  
11:30 - 12:00

KL16, ESA Keynote Lecture - Biceps tenodesis - An update

Chairs:  
L. Osti (Italy)  
A. Calvo (Spain)
Scientific Programme

KL16-1  Biceps tenodesis  11:30 - 11:50
G. Arce (Argentina)

KL16-2  Discussion  11:50 - 12:00

Keynote Lecture
11:30 - 12:00  Brown 3 - EKA

KL17, EKA Keynote Lecture - Alignment more important than robotics in TKA

Chairs:
C. Riviere (United Kingdom)
P. Verdonk (Belgium)

KL17-1  Alignment more important than robotics in TKA  11:30 - 11:50
S. Howell (United States)

KL17-2  Discussion  11:50 - 12:00

Lunch Workshops
12:15 - 13:15  Gold Plenary

Corporate Symposia

Meetings
12:15 - 13:45  Auditorium

ME13, ESSKA Journals' Reviewer Course

Lunch Workshops
12:15 - 13:15  Brown 3 - EKA

Corporate Symposia

Lunch Workshops
12:15 - 13:15  Brown 1+2

Corporate Symposia

Lunch Workshops
12:15 - 13:15  Space 1 - ESA

Corporate Symposia

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Scientific Programme

Lunch Workshops
12:15 - 13:15
Space 2 - Hip

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Space 3 - AFAS

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Space 4 - ESMA

Corporate Symposia

Lunch Workshops
12:15 - 13:15
Amber 1+2

Corporate Symposia

Team Physician Programme
13:00 - 14:00
Amber 5+6

TP05, D. WHAT'S NEW AND WHAT TO BE AWARE ABOUT SPORTS MEDICINE II

TP05 Psychology; Duties and responsibilities; Injury prevention
F. Delia Villa (Italy)
13:00 - 14:00

HL09, Femoroacetabular impingement: The pursuit of evidence

Chairs:
M. Safran

HL09 Femoroacetabular impingement: The pursuit of evidence
O. Ayeni (Canada)
14:00 - 14:30

Partner Symposia - Case Forum
14:00 - 15:00
Auditorium

PS05, ESSKA-AOSSM symposium: ACL-associated meniscal repair on either side of the Atlantic: Facts and challenges

PS05-1 TBD
14:00 - 14:08
Scientific Programme

Discussion 14:08 - 14:12

PS05-2  Meniscus pathology in MOON and MARS: What have we learnt so far? 14:12 - 14:20
R. Wright (United States)

Discussion 14:20 - 14:24

PS05-3  New ACL-associated meniscus lesions: Medial ramp injuries 14:24 - 14:32
R. Seil (Luxembourg)

Discussion 14:32 - 14:36

PS05-4  Role of meniscus transplantation in ACL deficiency 14:36 - 14:44
N. Amendola (United States)

Discussion 14:44 - 14:48

PS05-5  New ACL-associated meniscus lesions: Lateral root injuries & hypermobility 14:48 - 14:56
J. Menetrey (Switzerland)

Discussion 14:56 - 15:00

Symposia
14:00 - 15:00

SY57, EKA - Robotics in knee arthroplasty

Chairs:
N. Friederich (Switzerland)
F. Haddad (United Kingdom)

SY57-1  The UK experience 14:00 - 14:10
F. Haddad (United Kingdom)

SY57-2  The French experience 14:10 - 14:20

SY57-3  The French Mako experience 14:20 - 14:30
R. Pailhe (France)

SY57-4  The German experience 14:30 - 14:40
J. Jung (Germany)

SY57-5  The Dutch experience 14:40 - 14:50
N. Kort (Netherlands)

SY57-6  The South American experience 14:50 - 15:00
**SY58, Patellar stabilisation surgery: When do I need to do more than an isolated medial patellofemoral ligament reconstruction?**

**Chairs:**
J. Feller  
P.M. Tscholl (Austria)

**SY58-1**  
Which factors on history influence my decision as to whether an isolated MPFLR will be enough?  
E. Arendt (United States)  
14:00 - 14:07

**SY58-2**  
Which factors on examination influence my decision as to whether an isolated MPFLR will be enough?  
E. Servien (France)  
14:07 - 14:14

**SY58-3**  
How does the degree of patella alta influence my decision as to whether an isolated MPFLR will be enough?  
S.M. Strickland  
14:14 - 14:21

**SY58-4**  
How does the TT-TG distance influence my decision as to whether an isolated MPFLR will be enough?  
F. Dirisamer (Austria)  
14:21 - 14:28

**SY58-5**  
How does the degree of trochlear dysplasia influence my decision as to whether an isolated MPFLR will be enough?  
F. Imhoff (Switzerland)  
14:28 - 14:35

**SY59, Current concepts in the management of irreparable posterosuperior rotator cuff tears**

**Chairs:**
A. Imhoff (Germany)  
B. Scheiderer

**SY59-1**  
The role of lower trapezius transfer  
E. Calvo (Spain)  
14:00 - 14:15

**SY59-2**  
Superior capsule reconstruction - Biomechanics and current application  
B. Scheiderer  
14:15 - 14:30

**SY59-3**  
InSpace Ballon. What can we expect?  
E. Atoun (Israel)  
14:30 - 14:45

**SY59-4**  
Reverse shoulder arthroplasty in young patients without arthritis  
M. Zumstein (Switzerland)  
14:45 - 15:00
**Scientific Programme**

**Free Papers**
14:00 - 15:00  
**Space 2 - Hip**

**FP29, Free Papers - ACL III**  
**Chairs:**  
A. Stöhr (Germany)

| FP29-01 | The characteristics of lower limb injuries in skiing injury and its change over time - 60 years of injury survey at single ski resort | 14:00 - 14:06 |
| FP29-02 | Do we need a bone block in Anterior Cruciate Ligament reconstruction when using quadriceps tendon autograft? A preliminary functional outcome study | 14:06 - 14:12 |
| FP29-03 | Clinical and radiograph follow-up of anterior cruciate ligament reconstruction using hamstring tendons at minimum 20-year follow-up | 14:12 - 14:18 |
| FP29-04 | ACL over 50 have more meniscus and cartilage lesions but this does not compromise ACL reconstruction outcomes | 14:18 - 14:24 |
| FP29-05 | Changes in urine N-and C-terminal crosslinking telopeptides of type I and II collagens, serum aggrecan ARGS neoepitope and cytokines over 2 years after an anterior cruciate ligament rupture | 14:24 - 14:30 |
| FP29-06 | Decellularised porcine xenograft for anterior cruciate ligament reconstruction: a histological study in sheep | 14:30 - 14:36 |
| FP29-07 | Posterior versus anterior approach hamstring tendon harvesting for ACL reconstruction: a prospective, randomised controlled trial | 14:36 - 14:42 |
| FP29-08 | Bone marrow concentrate and anterior cruciate ligament reconstruction: clinical and functional outcomes of a prospective, non-randomized study | 14:42 - 14:48 |
| FP29-09 | Second-look arthroscopy after anatomical anterior cruciate ligament reconstruction: randomized controlled trial between double and triple bundle hamstring autograft | 14:48 - 14:54 |
| FP29-10 | Higher incidence of ACL reconstruction graft failure in a population of smokers | 14:54 - 15:00 |

**Free Papers**
14:00 - 15:00  
**Space 3 - AFAS**

**FP30, Free Papers - Foot/Ankle**  
**Chairs:**  
Y. Yasui (Japan)  
N. Krähenbühl (Switzerland)

| FP30-01 | Comparative outcomes of foot cast and short leg cast in pseudo-Jones avulsion fracture proximal to metaphyseal-diaphyseal junction of fifth metatarsal bone: a single blinded randomized controlled trial | 14:00 - 14:06 |
| FP30-02 | Arthroscopic ankle arthrodesis in high risk patients: a comparison study | 14:06 - 14:12 |
**Scientific Programme**

**FP30-03**  
**STOP Leg Clots - Swedish multicenter trial of outpatient prevention of leg clots: study protocol for a nationwide randomized controlled trial in Sweden**  
S. Svedman (Sweden)

**FP30-04**  
**Is routine ankle arthroscopy necessary in stabilization of bi- and trimalleolar fractures? How much do we miss?**

**FP30-05**  
**Extracorporeal Shock Wave Therapy (ESWT) versus instrument assisted soft tissue mobilization (Graston Technique®) in plantar fasciitis**  
E.T. Cil (Turkey)

**FP30-06**  
**Diagnosing syndesmosis instability: dynamic ultrasound versus arthroscopy - a cadaveric study**

**FP30-07**  
**The posteromedial neurovascular and tendons structures of the ankle: a cadaveric study of posterior endoscopic dissection and correlation with open dissection**

**FP30-08**  
**The calcaneofibular ligament has distinct anatomic morphological variants: an anatomical cadaveric study**

**FP30-09**  
**The effect of syndesmotic injury on lateral ankle stability**

**Symposia**  
14:00 - 15:00  
Space 4 - ESMA

**SY60, Injury prevention in athletes - Scientific evidence & practical experience**

**Chairs:**  
W. Krutsch (Germany)  
T. Patt (Netherlands)

**SY60-1**  
**Injury prevention by screening examination**  
T. Patt (Netherlands)

**SY60-2**  
**Injury prevention by training program**  
A. Hirschmüller (Switzerland)

**SY60-3**  
**Injury prevention by consideration of risk factor**  
F. Della Villa (Italy)

**SY60-4**  
**Injury prevention by protection equipment**  
P. Brucker (Germany)

**SY60-5**  
**Injury prevention by match rules**  
K. Fehske (Germany)
Scientific Programme

Symposia
14:00 - 15:00

SY61, Simple or “not so simple” elbow dislocation: An arthroscopic approach?

Chairs:
S. Siebenlist
J. Phadnis (United Kingdom)

SY61-1 Decision-making factors to decide for surgery
C. Rosso (Switzerland) 14:00 - 14:12

SY61-2 Clinical and arthroscopic evaluation of elbow instability
S. Siebenlist 14:12 - 14:24

SY61-3 Repair all the LCLs in simple dislocations or fix just the athletes
D. Maier (Germany) 14:24 - 14:36

SY61-4 LCL + coronoid - Conservative or fix it, and how?
R. Barco (Spain) 14:36 - 14:48

SY61-5 Small triads with ligamentous rupture and minimally displaced fractures
E. Guerra (Italy) 14:48 - 15:00

Team Physician Programme
14:00 - 16:30

TP06, E. MORE FREQUENT INJURIES II – DIAGNOSIS, TREATMENT AND RETURN TO SPORTS

TP06-1 Hip injuries
G.L. Canata (Italy) 14:00 - 14:30

TP06-2 Knee injuries
J.C. Monllau (Spain) 14:30 - 15:00

TP06-3 Ankle injuries
H. Pereira (Portugal) 15:00 - 15:30

TP06-4 Overuse injuries
J. Menetrey (Switzerland) 15:30 - 16:00

Coffee Break 16:00 - 16:30

Highlight Lecture
14:30 - 15:00

HL10, From Sprain to TOPIC: Top care for ankle cartilage injuries in sports

Chairs:
J. Calder (United Kingdom)
F. Vannini (Italy)

HL10 From Sprain to TOPIC: Top care for ankle cartilage injuries in sports
G. Kerkhoffs (Netherlands) 14:30 - 15:00
Symposia
15:00 - 16:00

**Gold Plenary**

**SY62, Meniscal substitution, transplantation and replacement**

**Chairs:**
A. Getgood (Canada)
R. Verdonk (Belgium)

**Part 1: Allografts**

**SY62-1**
*Meniscal Allografts: Indications ESSKA Allograft Initiative*
T. Spalding (United Kingdom)  15:00 - 15:10

**SY62-2**
*Meniscus transplantation: Tips and tricks*
S. Scheffler (Germany)  15:10 - 15:20

**SY62-3**
*Meniscal transplantation. Extended indications: Association with osteochondral allografts, osteotomy, ACL reconstruction*
S. Zaffagnini (Italy)  15:20 - 15:30

**Part 2: Meniscal scaffolds and substitutes**

**SY62-6**
*Indication and limitations of use of meniscal scaffolds*
N. Pujol (France)  15:30 - 15:40

**SY62-7**
*Meniscal scaffolds: Technique and results*
R. Verdonk (Belgium)  15:40 - 15:50

**SY62-8**
*Meniscal prosthesis*
T. Van Tienen (Netherlands)  15:50 - 16:00

**Partner Symposia - Case Forum**
15:00 - 16:00

**Auditorium**

**PS06, ESSKA-SLARD symposium: Our approach to patellofemoral instability - European and Latin American perspectives**

**Chairs:**
R. Maestu (Argentina)
D. Dejour (France)

**PS06-1**
*10 years’ experience with MPFL reconstruction*
L. Ernlund (Brazil)  15:00 - 15:07

**PS06-2**
*When and how I perform a trochleoplasty*
M. Mosquera (Colombia)  15:07 - 15:14

**PS06-3**
*Use of osteochondral autograft transfer in patellar chondral lesions*
D. Figueroa (Chile)  15:14 - 15:21

**PS06-4**
*Trochleoplasty - the European experience*
C. Camathias (Switzerland)  15:21 - 15:28

**PS06-5**
*Patellofemoral stabilisation: Postoperative redislocation and risk factors following surgery*
L.A. Hiemstra (Canada)  15:28 - 15:35
# Scientific Programme

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<td>15:35</td>
<td>PS06-6 Discussion based on clinical cases R. Maestu (Argentina)</td>
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<td>15:00</td>
<td>SY63, EKA AAHKS symposium: Revision TKA in 2020</td>
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<td>SY63-1 Why TKA are failing today? S. Howell (United States)</td>
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<td>SY63-2 Diagnosing the painful TKA from unexplained pain to septic and aseptic loosenings A. Chen (United States)</td>
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<td>15:24</td>
<td>SY63-3 Treatment of infected TKA: When I&amp;D, single-stage and double-stage revisions are appropriate R. Tandogan</td>
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<td>15:36</td>
<td>SY63-4 Technical considerations in revision TKA: From the preoperative plan to the surgical technique M.P. Bolognesi (United States)</td>
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<td>15:48</td>
<td>SY63-5 Management of severe bone loss in revision TKA P. Walmsley</td>
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<td>15:00</td>
<td>FP31, Free Papers - Osteotomy</td>
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<td>15:00</td>
<td>FP31-01 Excellent long-term results in combined high tibial osteotomy, anterior cruciate ligament reconstruction and chondral resurfacing in patients with severe osteoarthritis and varus alignment P. Schuster (Germany)</td>
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<tr>
<td>15:06</td>
<td>FP31-02 Rotational changes in the tibia after HTO: comparative study of lateral closing vs. medial opening wedge osteotomy J.I. Kim (Korea, Republic of)</td>
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<td>15:12</td>
<td>FP31-03 Does a hinge protective screw improve axial and torsional stability in HTO?</td>
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<td>15:18</td>
<td>FP31-04 Valgus high tibial osteotomy changes the distribution pattern of subchondral bone density through the proximal tibial articular surface in medial compartment osteoarthritis - using computed tomography osteoabsorptiometry</td>
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19th ESSKA Congress,
11 - 14 May 2021,
Milano, Italy

Scientific Programme

FP31-05  Changes of knee joint line orientation after high tibial osteotomy are the result of adaptation of the lower limb to the new alignment  15:24 - 15:30
FP31-06  Mechanical alignment for the assessment for HTO have we got it wrong? Should we measure hip to heel rather than hip to ankle  15:30 - 15:36
FP31-07  HTO for medial knee osteoarthritis with ruptured or intact ACL A prospective study with 10 years follow-up  
A. Ekeland (Norway)  15:36 - 15:42
FP31-08  Joint line obliquity raises contact pressure and causes mediolateral subluxation post high tibial osteotomy  
D. Wang (United Kingdom)  15:42 - 15:48
FP31-09  Changes in relative contributions of each moment components at the knee according to severity of osteoarthritis  
Y. Suzuki (Japan)  15:48 - 15:54
FP31-10  Varus deformity significantly increases medial meniscus extrusion: an in-vitro study  
L. Willinger (Germany)  15:54 - 16:00

Sympoisas
15:00 - 16:00  
Space 1 - ESA

SY64, Superior capsular reconstruction - International perspective

Chairs:
R. Brzóska (Poland)
L. Kovacic (Slovenia)

SY64-1  SCR - Does the type of the graft matter?  15:00 - 15:12
A.C. Angelo (Portugal)

SY64-2  LHB - Natural patch for SCR  15:12 - 15:24
K. Hermanowicz (Poland)

SY64-3  Fascia lata as autograft for SCR  15:24 - 15:36
C. Azevedo (Portugal)

SY64-4  Dermal graft - Updated results  15:36 - 15:48
A. Minuesa (Spain)

SY64-5  Summary - Facts and myths about SCR - International perspective  15:48 - 16:00
R. Brzóska (Poland)

Sympoisas
15:00 - 16:00  
Space 2 - Hip

SY65, FAI: The failed hip arthroscopy: Diagnosis and management

Chairs:
O. Ayeni (Canada)
N. Bonin (France)
Scientific Programme

SY65-1  When do I think something goes wrong and how can I manage?  15:00 - 15:12  
T. Andrade (United Kingdom)

SY65-2  Main causes of failure and how to confirm them  15:12 - 15:24  
O. Ayeni (Canada)

SY65-3  Main causes of failure and how to treat them  15:24 - 15:36  
A. Papavasiliou (Greece)

SY65-4  Always painful but all exams are correct. What to think?  15:36 - 15:48  
A. Bajwa (United Kingdom)

SY65-5  Results of iterative hip arthroscopy  15:48 - 16:00  
N. Bonin (France)

Symposia  
15:00 - 16:00  
Space 3 - AFAS

SY66, Acute syndesmotic injuries - State-of-the-art diagnosis and surgical treatment

Chairs:  
M. Knupp  
S. Stufkens (Netherlands)

SY66-1  Know your anatomy  15:00 - 15:12  
M. Dalmau-Pastor (Spain)

SY66-2  MRI 'em if you got 'em  15:12 - 15:24  

SY66-3  Scope and you will know  15:24 - 15:36  
J. Calder (United Kingdom)

SY66-4  Fix the posterior malleolus  15:36 - 15:48  
M. Knupp

SY66-5  I always do a tightrope - I mean screws  15:48 - 16:00  

Symposia  
15:00 - 16:00  
Space 4 - ESMA

SY67, Performing arts and sports: Similarities, treatment options and prevention strategies

Chairs:  
H. Jones (Portugal)  
A. Lukaszenko (United Arab Emirates)

SY67-1  Performing arts and sports! Similarities and prevention strategies (circus)  15:00 - 15:20  
M. Carmont (United Kingdom)
Scientific Programme

SY67-2  Performing arts and sports! Similarities and prevention strategies (musicians)  
G. Milano (Italy)  
15:20 - 15:40

SY67-3  Performing arts and sports! Similarities and prevention strategies (dance)  
G.L. Canata (Italy)  
15:40 - 16:00

Symposia
15:00 - 16:00

SY68, Updates in complex procedure over arthroscopic and sports-related elbow world

Chairs:  
P. Arrigoni (Italy)  
A. Lenich (Germany)

SY68-1  All the plications in elbow for instability and microinstability  
P. Arrigoni (Italy)  
15:00 - 15:10

SY68-2  MCL reconstruction  
L. Oh (United States)  
15:10 - 15:20

SY68-3  LCL reconstruction  
A. Lenich (Germany)  
15:20 - 15:30

SY68-4  OCD management  
L.A. Pederzini (Italy)  
15:30 - 15:40

SY68-5  Stiff Elbow - Arthrolysis step by step  
S. Siebenlist  
15:40 - 15:50

SY68-6  Endoscopic distal biceps reattachment  
E. Guerra (Italy)  
15:50 - 16:00

Free Papers
16:30 - 17:30

FP32, Free Papers - Meniscus

Chairs:  
B. Di Matteo  
M. McNicholas (United Kingdom)

FP32-01  Results of primary and revision ACL reconstruction with meniscal transplant: good results in selected patients  
16:30 - 16:36

FP32-02  Meniscal allograft transplantation is an effective treatment in patients older than 50 years but yields inferior results compared with younger patients: a case-control study  
S. Zaffagnini (Italy)  
16:36 - 16:42
**Scientific Programme**

**FP32-03**  Mid term results of polyurethane meniscal scaffold: a European multicentric study  
16:42 - 16:48

**FP32-04**  Early clinical results of the NUsurface®Medial meniscus implant versus non-surgical controls: 160 patients of a randomized control trial at 12 months follow-up  
V. Condello (Italy)  
16:48 - 16:54

**FP32-05**  Complex meniscus tears treated with collagen matrix wrapping and bone marrow blood injection- clinical effectiveness and survivorship after 5 to 8 year follow up  
K. Ciemniewska-Gorzela (Poland)  
16:54 - 17:00

**FP32-06**  Meniscus transplant/substitution using autologous tendon graft. Early experiences from first 5 cases in a prospective pilot study  
K. Eriksson (Sweden)  
17:00 - 17:06

**FP32-07**  Arthroscopic partial meniscectomy for a degenerative meniscus tear - a five-year follow-up of a placebo-surgery controlled trial  
R. Sihvonen (Finland)  
17:06 - 17:12

**FP32-08**  Self-reported knee function and radiographic progression five-years following exercise therapy or arthroscopic partial meniscectomy as treatments for degenerative meniscal tears. A randomised controlled trial  
17:12 - 17:18

**FP32-09**  Meniscal and Articular Cartilage Predictors of Outcome following Revision ACL Reconstruction: A 6-Year Follow-up Study  
R. Wright (United States)  
17:18 - 17:24

**FP32-10**  Intraoperative near-infrared fluorescence imaging of the vascularisation of the meniscus in patients treated with a total knee arthroplasty- a pilot study  
17:24 - 17:30

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**Symposia**

16:30 - 17:30  
**Auditorium**

**SY69, SFA lectures - ACL reconstruction in patients over 50 years**

**Chairs:**
J.C. Panisset

**SY69-1**  Prospective and retrospective series (SFA symposium)  
J.M. Fayard (France)  
16:30 - 16:50

**SY69-2**  Clinical features of ACL injuries in patients >50  
16:50 - 17:10

**SY69-3**  Influence of meniscal and cartilaginous lesions on outcomes  
J.C. Panisset  
17:10 - 17:30
Scientific Programme

Symposia
16:30 - 17:30

**SY70, EKA - Best practice: Optimised patient pathways**

**Chairs:**
G. Pagenstert (Switzerland)
E. Gomez Barrena

**SY70-1**  Tradition as biggest obstacle for optimised patient care  
R. Compagnoni (Italy)  
16:30 - 16:40

**SY70-2**  Update on fast-track TKA  
E. Gomez Barrena  
16:40 - 16:50

**SY70-3**  How to implement in your clinic?  
G. Pagenstert (Switzerland)  
16:50 - 17:00

**SY70-4**  The perfect patient  
S. Eggli (Switzerland)  
17:00 - 17:10

**SY70-5**  Optimised patient care for all?  
B. Violante (Italy)  
17:10 - 17:20

**SY70-6**  Outpatient total knee arthroplasty: Are we getting there?  
N. Roidis (Greece)  
17:20 - 17:30

Affiliated Symposia - Debates
16:30 - 17:30

**AS05, Affiliated society symposium: Patellofemoral instability - What I learned from my worst case**

**Chairs:**
P. Sillanpää (Finland)
M. Fiodorovas (Lithuania)

**AS05-1**  Finnish Arthroscopy Association / Suomen Ortopediyhdistys / SOY  
P. Sillanpää (Finland)  
16:30 - 16:38

Discussion  
16:38 - 16:42

**AS05-3**  UASTKA - Ukrainian Association of Sport Traumatology, Knee Surgery and Arthroscopy  
16:42 - 16:50

Discussion  
16:50 - 16:54

**AS05-4**  Lithuania Arthroscopy and Sports Traumatology Association (LASTA) / Lietuvos artroskopijos ir sporto traumatologijos asociacija  
16:54 - 17:02

Discussion  
17:02 - 17:06

**AS05-5**  CSSTA - Croatian Society for Sports Traumatology and Arthroscopy  
G. Gulan (Croatia)  
17:06 - 17:14

Discussion  
17:14 - 17:18
AS05-6  EASTS - Estonian Arthroscopy and Sports Trauma / Eesti Traumatoloogide ja Ortopeedide Seltsi  
L. Rips (Estonia)  
Discussion  

Symposia  
16:30 - 17:30  
Space 1 - ESA  

SY71, Shoulder osteoarthritis in young active patients  
Chairs:  
J.M. Glasson  
C. van Eck (United States)  

SY71-1  Etiology of shoulder osteoarthritis in young patients  
A. Boutsiadis (Greece)  
16:30 - 16:45  

SY71-2  Non-surgical treatments  
J.M. Glasson  
16:45 - 17:00  

SY71-3  Non-arthroplasty treatments  
K. Bilsel  
17:00 - 17:15  

SY71-4  The role for shoulder arthroplasty  
J. Barth  
17:15 - 17:30  

Free Papers  
16:30 - 17:30  
Space 2 - Hip  

FP33, Free Papers - Alignment  
Chairs:  
M. Ollivier (France)  
P. Erasmus (South Africa)  

FP33-01  Morphometric measures better predict distal femoral geometry than demographic parameters: a 3D-CT Analysis of 378 healthy patients' distal femoral anatomy using a machine learning  
16:30 - 16:36  

FP33-02  Limb length discrepancy after total knee arthroplasty  
P. Hinarejos (Spain)  
16:36 - 16:42  

FP33-03  Deviations in femoral joint lines from native using calipered kinematically aligned tka are small and do not affect clinical outcomes  
A. Nedopil (United States)  
16:42 - 16:48  

FP33-04  Axial and coronal femoral rotation and its effect on outcome in TKA in light of soft tissue balancing  
E. Wakelin (United States)  
16:48 - 16:54  

FP33-05  Measured resection mechanical alignment total knee arthroplasty often results in a poorly balanced TKA  
16:54 - 17:00
**Scientific Programme**

**FP33-06** Ethnical differences in knee phenotypes question a systematic realignment strategy in total knee arthroplasty

**FP33-07** The distribution of functional knee phenotypes in osteoarthritic knees and the difference to native knees
S. Hess (Switzerland)

**FP33-08** Important variations in medial, lateral slope and MPTA and their impact on arthroplasty
M. Meier (Germany)

**FP33-09** The impact of total knee arthroplasty realignment concepts on the alignment of a large OA population in comparison to a new experimental alignment concept based on native knees
S. Hess (Switzerland)

**FP33-10** A novel method to reduce opioid consumption and prevent chronic pain after TKA: personalised rehabilitation through digital coaching. A prospective study of 227 TKA patients. Results at 1 year
P. Van Overschelde (Belgium)

**Sympoia**

16:30 - 17:30

**SY72, Techniques in ankle cartilage repair, 90´**

**Chairs:**
J. Calder (United Kingdom)
A. Kini (India)

**SY72-1** Bone marrow stimulation with BMAC
C.D. Murawski (United States)

**SY72-2** Arthroscopic autologous matrix-induced chondrogenesis
C. Becher (Germany)

**SY72-3** Osteochondral autograft transplantation

**SY72-4** Autologous cartilage reconstruction - Where are we in the ankle joint?
V. Valderrabano (Switzerland)

**SY72-5** Talar osteoperiosteal grafting from the iliac crest (TOPIC)
G. Kerkhoffs (Netherlands)

**SY72-6** The role of allograft for ankle cartilage repair
F. Vannini (Italy)

**Sympoia**

16:30 - 17:30

**SY73, The ACL injured patient - A team work**

**Chairs:**
N. Sernert
S. Werner
SY73-1 ACL reconstruction: Injury mechanism, graft choice options and surgical technique
M. Forssblad (Sweden)
16:30 - 16:40

SY73-2 Rehabilitation after ACL reconstruction
C. Mikkelsen (Sweden)
16:40 - 16:50

SY73-3 Evaluation for returning to sport after ACL reconstruction
16:50 - 17:00

SY73-4 Prevention of ACL injuries
S. Werner
17:00 - 17:10

Discussion
17:10 - 17:30

Symposia
16:30 - 17:30

SY74, Distal biceps tendon tears and ruptures in athletes

Chairs:
L.A. Pederzini (Italy)
R. Barco (Spain)

SY74-1 Who has to be operated?
L. Pauzenberger (Ireland)
16:30 - 16:42

SY74-2 Partial tears treatment
A. Lenich (Germany)
16:42 - 16:54

SY74-3 Open surgery for the complete detachment
A. Watts (United Kingdom)
16:54 - 17:06

SY74-4 Different fixations for distal biceps - A systematic comparison
A. Lenich (Germany)
17:06 - 17:18

SY74-5 Rehabilitation and return to sport
M. van the Bekerom
17:18 - 17:30

Team Physician Programme
16:30 - 17:30

TP07, KNOWLEDGE EVALUATION TEST

TP07 KNOWLEDGE EVALUATION TEST
16:30 - 17:30

F. Serralva (Portugal)
A. Marques (Portugal)
P. Martins (Portugal)
P. Macedo (Portugal)
M. Silva (Portugal)
**Friday 14 May 2021**

### Symposia

**SY75, My 10 best tips and tricks in revision TKA**

**Chairs:**
- I. Brenkel
- R. Eisenhart-Rothe (Germany)

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<td>My 10 best tips and tricks in revision TKR</td>
<td>R. Eisenhart-Rothe (Germany)</td>
<td>09:00 - 09:12</td>
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<td>SY75-2</td>
<td>My 10 best tips and tricks in revision TKR</td>
<td>I. Brenkel</td>
<td>09:12 - 09:24</td>
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<tr>
<td>SY75-3</td>
<td>My 10 best tips and tricks in revision TKR</td>
<td>V. Madonna (Italy)</td>
<td>09:24 - 09:36</td>
</tr>
<tr>
<td>SY75-4</td>
<td>My 10 best tips and tricks in revision TKR</td>
<td>J. Harty (Ireland)</td>
<td>09:36 - 09:48</td>
</tr>
<tr>
<td>SY75-5</td>
<td>My 10 best tips and tricks in revision TKR</td>
<td>P.S. Randelli (Italy)</td>
<td>09:48 - 10:00</td>
</tr>
</tbody>
</table>

### Instructional Course Lecture

**ICL30, Advanced osteotomy for the knee surgeon**

**Chairs:**
- R. Van Heerwaarden (Netherlands)
- K. Kley (Germany)

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Title</th>
<th>Chair(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICL30-1</td>
<td>PSI for routine and complex osteotomy</td>
<td>M. Ollivier (France)</td>
<td>09:00 - 09:18</td>
</tr>
<tr>
<td>ICL30-2</td>
<td>Double osteotomy and joint line obliquity</td>
<td>K. Kley (Germany)</td>
<td>09:18 - 09:36</td>
</tr>
<tr>
<td>ICL30-3</td>
<td>Slope changing osteotomy and ligament reconstruction</td>
<td>R. Seil (Luxembourg)</td>
<td>09:36 - 09:54</td>
</tr>
<tr>
<td>ICL30-4</td>
<td>Intra-articular osteotomies</td>
<td>K.-H. Frosch (Germany)</td>
<td>09:54 - 10:12</td>
</tr>
<tr>
<td>ICL30-5</td>
<td>Osteotomy for rotational deformity</td>
<td>R. Teitge (United States)</td>
<td>10:12 - 10:30</td>
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</tbody>
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Instructional Course Lecture
09:00 - 10:30

**ICL31, How I do my reverse shoulder replacement**

**Chairs:**
B. Toussaint (France)

**ICL31-1** Preoperative planning 09:00 - 09:18
A. Blasiak (Poland)

**ICL31-2** Surgical approach 09:18 - 09:36
M. Karahan (Turkey)

**ICL31-3** Humeral component 09:36 - 09:54
O. Levy (United Kingdom)

**ICL31-4** Glenoid component 09:54 - 10:12

**ICL31-5** How I lateralise my implant 10:12 - 10:30
G. Milano (Italy)

Instructional Course Lecture
09:00 - 10:30

**ICL32, Surgical techniques for treatment of patellofemoral OA - best practice**

**Chairs:**
P. Sillanpää (Finland)
D. Dejour (France)

**ICL32-1** Limits of patellofemoral joint arthroplasty 09:00 - 09:15
D. Dejour (France)

**ICL32-2** Inlay patellofemoral joint arthroplasty 09:15 - 09:30
G. Pagenstert (Switzerland)

**ICL32-3** How to set femoral rotation? 09:30 - 09:45
R. El Attal (Austria)

**ICL32-4** Onlay patellofemoral joint arthroplasty 09:45 - 10:00
F. Dirisamer (Austria)

**ICL32-5** How to deal with instability in patellofemoral knee arthroplasty? 10:00 - 10:15
P. Sillanpää (Finland)

**ICL32-6** When and how to resurface the patella? 10:15 - 10:30
M. Liebensteiner (Austria)
Scientific Programme

Instructional Course Lecture
09:00 - 10:30

ICL33, Tendinopathy: From basic science to return to play

Chairs:
F. Abat (Spain)
U.G. Longo (Italy)

ICL33-1 Basic science and diagnosis of tendinopathy
U.G. Longo (Italy) 09:00 - 09:15

ICL33-2 Traditional conservative treatment for Achilles and patellar tendinopathy
B. Kocaoglu (Turkey) 09:15 - 09:30

ICL33-3 Orthobiologics in management of Achilles and patellar tendinopathy
F. Usuelli (Italy) 09:30 - 09:45

ICL33-4 Surgical treatments of Achilles and patellar tendinopathy
L. Lempainen (Finland) 09:45 - 10:00

ICL33-5 Rehabilitation protocols for Achilles and patellar tendon
J. Fearn 10:00 - 10:15

ICL33-6 Return to play after Achilles and patellar tendon injury
F. Abat (Spain) 10:15 - 10:30

Symposia
09:00 - 10:30

SY76, What’s new in the management of complex knee trauma

Chairs:
F. Giron
M. Ronga (Italy)

SY76-1 How to approach and fix Hoffa and Trélat fractures
J. Zellner (Germany) 09:00 - 09:15

SY76-2 Arthroscopically assisted management of complex tibial plateau fractures
M. Ronga (Italy) 09:15 - 09:30

SY76-3 Floating knee: Two sides of the same coin?
09:30 - 09:45

SY76-4 Primary total knee arthroplasty in the management of fracture around the knee
Y. Acklin 09:45 - 10:00
Scientific Programme

Symposia
11:00 - 12:00

**SY77, EKA - Best practice in revision TKA**

*Chairs:*
P. Mertl (France)
H. Graichen (Germany)

**SY77-1**  [Extension options of standard approach in revision TKA](#) 11:00 - 11:10
P. Adravanti (Italy)

**SY77-2**  [How to safely remove TKA with stems, sleeves or cones?](#) 11:10 - 11:20
N. Roidis (Greece)

**SY77-3**  [Fixation concepts for revision TKA](#) 11:20 - 11:30
R. Eisenhart-Rothe (Germany)

**SY77-4**  [Sleeves and cones - What is the difference and when to use what?](#) 11:30 - 11:40
H. Graichen (Germany)

**SY77-5**  [Cemented versus uncemented stems](#) 11:40 - 11:50
P. Mertl (France)

**SY77-6**  [When to choose which constraint in revision TKA?](#) 11:50 - 12:00
J. Harty (Ireland)

Free Papers
11:00 - 12:00

**FP34, Free Papers - Arthroplasty III**

*Chairs:*
J.-Y. Jenny (France)
J. Leal-Blanquet (Spain)

**FP34-01**  [Fast-track total knee arthroplasty. A French nationwide prospective study](#) 11:00 - 11:06

**FP34-02**  [Body weight but not body mass index impacts the 12-year survival after mobile bearing total knee arthroplasty](#) 11:06 - 11:12

**FP34-03**  [The use of negative-pressure wound therapy after total knee arthroplasty is effective for reducing complications and the need for reintervention](#) 11:12 - 11:18
C. Helito (Brazil)

**FP34-04**  [How does continous passive motion affect the knee mobility and the wound surgical aspect after total knee arthroplasty?](#) 11:18 - 11:24

**FP34-05**  [Sexual and ethnic polymorphism render prosthetic overhang and under-coverage inevitable using off-the shelf TKA implants](#) 11:24 - 11:30
M. Saffarini (Switzerland)

**FP34-06**  [Does intravenous iron supplementation reduce transfusion rate following staged bilateral total knee arthroplasty in a single hospitalization?](#) 11:30 - 11:36

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FP34-07  Advanced age is not a barrier to Total Knee Arthroplasty: A detailed analysis of outcomes and complications in an elderly cohort compared to average age TKA patients  
A. Klasan (New Zealand)  
11:36 - 11:42

FP34-08  Consistent carbohydrate diet normalizes blood glucose levels in non-diabetics after orthopaedic surgery  
11:42 - 11:48

FP34-09  Do patients lose weight after a total knee arthroplasty? A prospective observational study  
11:48 - 11:54

Symposia  
11:00 - 12:00  
Space 1 - ESA

SY78, Allograft in difficult shoulder surgeries  
Chairs:  
G. Milano (Italy)  
B. Poberaj (Qatar)

SY78-1  Soft tissue allograft for instability  
M. Maloney (United States)  
11:00 - 11:15

SY78-2  Allograft for glenoid bone loss  
E. Taverna (Italy)  
11:15 - 11:30

SY78-3  Allograft for humeral head bone loss  
P.S. Randelli (Italy)  
11:30 - 11:45

SY78-4  Allograft for rotator cuff deficiency  
A. Cartucho  
11:45 - 12:00

Free Papers  
11:00 - 12:00  
Space 2 - Hip

FP35, Free Papers - ACL IV  
Chairs:  
D. Mathis (Switzerland)  
K. Nagai (Japan)

FP35-01  Increased risk for early revision with quadriceps graft compared with patellar tendon graft in primary ACL reconstructions – a study of 20,493 patients from the Norwegian National Knee Ligament Register 2004-2018  
11:00 - 11:06

FP35-02  Decision-making for surgical or nonsurgical treatment after an ACL injury: early surgical treatment decision is based upon expected future activity demands and later surgical decision on current knee function  
11:06 - 11:12

FP35-03  Mechanism of non-contact ACL injury based on bone bruises mapping: a 3D MRI-based modelling correlated with dynamic Roentgen Stereophotogrammetric Analysis (RSA) during weightbearing knee flexion  
11:12 - 11:18
### Scientific Programme

<table>
<thead>
<tr>
<th>FP35-04</th>
<th>The effect of surgical centre volume on outcome following anterior cruciate ligament reconstruction</th>
<th>11:18 - 11:24</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>R.K. Martin (United States)</td>
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<tr>
<td>FP35-05</td>
<td>Preservation of large anterior cruciate ligament remnants does not predispose to post-operative cyclops syndrome: a risk factor analysis in 3633 patients from the SANTI database</td>
<td>11:24 - 11:30</td>
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<tr>
<td></td>
<td>J.-R. Delaloye (Switzerland)</td>
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<tr>
<td>FP35-06</td>
<td>Early graft maturation and clinical outcome of allograft and autograft in primary anterior cruciate ligament reconstruction: a prospective randomized blinded study</td>
<td>11:30 - 11:36</td>
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<tr>
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<td>P. Capitani (Italy)</td>
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<tr>
<td>FP35-08</td>
<td>MRI analysis of the ACL graft using hamstrings at 2 years of follow-up: maturation of the graft depends on age but is not correlated with laximetry or functional results</td>
<td>11:42 - 11:48</td>
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<td>N. Bouguennec (France)</td>
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<tr>
<td>FP35-09</td>
<td>3-D intercondylar notch volumes and cruciate ligaments volumes on MRI are related to the prevalence of anterior cruciate ligament rupture</td>
<td>11:48 - 11:54</td>
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<tr>
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<td>K. van Kuijk (Netherlands)</td>
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<tr>
<td>FP35-10</td>
<td>Negative effects of osseous valgus alignment and posteromedial ligament deficiency on ACL graft forces: risk factors for failure of ACL reconstruction</td>
<td>11:54 - 12:00</td>
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<tr>
<td></td>
<td>J. Mehl (Germany)</td>
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</table>

**Free Papers**

11:00 - 11:30

**FP36, Free Papers - Pelvis-Hip-Groin**

**Chairs:**
K. Briggs (United States)

<table>
<thead>
<tr>
<th>FP36-01</th>
<th>FAI beyond a mechanical issue: the emotional toll of chronic hip injury on the male athlete</th>
<th>11:00 - 11:06</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP36-02</td>
<td>Evaluation of endoscopic gluteus medius repair in patients with femoroacetabular impingement and labrum detachment</td>
<td>11:06 - 11:12</td>
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<tr>
<td>FP36-03</td>
<td>Efficacy of clinical rehabilitation program versus to home-based exercise program after arthroscopic surgery in patients with femoroacetabular impingement syndrome: a randomized controlled study</td>
<td>11:12 - 11:18</td>
</tr>
<tr>
<td>FP36-04</td>
<td>Preventing venous thromboembolism using low dose aspirin 75 mg once a day. A prospective study of 9801 hip and knee arthroplasties</td>
<td>11:18 - 11:24</td>
</tr>
<tr>
<td>FP36-05</td>
<td>Performance of National Hockey League Players following hip arthroscopy</td>
<td>11:24 - 11:30</td>
</tr>
<tr>
<td></td>
<td>N. Kolodychuk (United States)</td>
<td></td>
</tr>
</tbody>
</table>
FP37, Free Papers - Sports injury / prevention

**Chairs:**
K. Hambly (United Kingdom)
F. Tencone (Italy)

**FP37-01**  High incidence of previously neglected meniscus lesions influencing knee biomechanics in association with ACL injuries  
C. Mouton (Luxembourg)  
11:00 - 11:06

**FP37-03**  Composite ACL injury risk factor analysis - a prospective cohort study  
J. Bencke (Denmark)  
11:06 - 11:12

**FP37-04**  Return to sport composite test after ACL reconstruction (K-STARTS) part 2: factors affecting the return to sport in a retrospective analysis of 676 patients  
11:12 - 11:18

**FP37-05**  Lateral-heel release-settings for alpine ski-bindings that address abduction loading associated with ACL integrity  
R. Howell (United States)  
11:18 - 11:24

FP38, Free Papers - Infection

**Chairs:**
D. Pérez-Prieto (Spain)

**FP38-01**  Mortality and adverse joint outcomes following septic arthritis of the native knee: a national longitudinal cohort study of 12,132 patients undergoing treatment with arthroscopic washout  
S. Abram (United Kingdom)  
11:30 - 11:36

**FP38-02**  A new antibacterial coating for orthopaedic implants does not compromise bony integration  
D. Warnecke (Germany)  
11:36 - 11:42

**FP38-03**  The presence of Cutibacterium acnes on the skin of the shoulder after the use of benzoylperoxide: a placebo controlled, double-blinded, randomized trial  
11:42 - 11:48

**FP38-04**  Vancomycin pre-soaking of the graft dramatically reduces the incidence of postoperative septic arthritis in primary and revision anterior cruciate ligament reconstruction  
P. Schuster (Germany)  
11:48 - 11:54

**FP38-05**  Vancomycin soaked autografts during ACL reconstruction do not negatively influence return to sport or knee function. Case-control study of 1674 athletes  
11:54 - 12:00
FP39, Free Papers - Arthroplasty IV

Chairs:
J. Holz (Germany)
S. Hess (Switzerland)

FP39-01 The influence of expectation modification in knee arthroplasty on Satisfaction of Patients a randomized controlled trial: the EKSPECT Study 12:00 - 12:06

FP39-02 Revision total knee arthroplasty (TKA): mid-term outcomes and bone loss evaluation
F. Rosso (Italy) 12:06 - 12:12

FP39-03 Assessing the contribution of medial soft-tissues to revision total knee arthroplasty stability
A. Amis (United Kingdom) 12:12 - 12:18

FP39-04 Knee arthrodesis is a durable option for the salvage of infected total knee arthroplasty 12:18 - 12:24

FP39-05 Revision of unicompartimental arthroplasty (UKA) - how often are revision implants necessary? Retrospective analysis of 97 revised UKA
J. Holz (Germany) 12:24 - 12:30

FP39-06 Prior knee arthroscopy is associated with increased risk for revision after total knee arthroplasty 12:30 - 12:36

FP39-07 Typical pain patterns in patients after total knee arthroplasty 12:36 - 12:42
D. Mathis (Switzerland)

FP39-08 Unplanned further revision surgery for infected total knee arthroplasty is influenced by the surgical strategy, microorganisms and time since primary surgery 12:42 - 12:48

FP39-09 Risk of adverse events following revision knee arthroplasty: a study of 40,854 procedures using the national hospital episode statistics database for England, UK
S. Abram (United Kingdom) 12:48 - 12:54

FP39-10 Why revision total knee arthroplasty fails? A consecutive cohort of 1170 revisions 12:54 - 13:00

SY79, Joint regeneration by unloading - What and when is really possible

Chairs:
J. Walawski (Poland)
V. Madonna (Italy)

SY79-1 Osteotomies
K. Slynarski (Poland) 12:00 - 12:10

SY79-2 Atlas knee unloader
V. Madonna (Italy) 12:10 - 12:20
19th ESSKA Congress,  
11 - 14 May 2021,  
Milano, Italy

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SY79-3  Joint distraction  
M. Deie (Japan)  
12:20 - 12:30

SY79-4  Joint distraction vs osteotomy  
F. Lafeber (Netherlands)  
12:30 - 12:40

SY79-5  Unloading braces  
L. Lipinski (Poland)  
12:40 - 12:50

Symposia
12:00 - 13:00  
Space 1 - ESA

SY80, Long head of biceps treatment: If you cannot be better - just dress better

Chairs:
K. Beitzel (Germany)  
E. Brilakis (Greece)

SY80-1  Just cut and leave it! Auto-tenodesis  
L. Kovacic (Slovenia)  
12:00 - 12:12

SY81-2  The classic - Intraarticular tenodesis screw  
E. Brilakis (Greece)  
12:12 - 12:24

SY80-3  The fancy one - Intraarticular suture anchor  
A. Voss  
12:24 - 12:36

SY80-4  Get it out! - Subpectoral tenodesis  
F. Dyrna (Germany)  
12:36 - 12:48

SY80-5  Tenodesis with suspensory system - Considerations on the safest location  
N. Gomes (Portugal)  
12:48 - 13:00

Affiliated Symposia - Debates
12:00 - 13:00  
Space 2 - Hip

AS06, Affiliated society symposium: ACL reconstruction - what I learned from my worst case

Chairs:
R. Marinescu (Romania)  
P. Thoreux (France)

AS06-1  SRATS - Romanian Society of Arthroscopy and Sports Trauma/Societatea Română de Arthroscopie și Traumatologie Sportivă  
S. Mogos (Romania)  
12:00 - 12:07  
Discussion  
12:07 - 12:10

AS06-2  RKA - Russian Association of Knee Joint Surgeons  
12:10 - 12:17  
Discussion  
12:17 - 12:20
Scientific Programme

AS06-3 Knee Section of SPOT - Portuguese Orthopaedic and Trauma Society/Sociedade Portuguesa de Ortopedia
M. Vieira da Silva (Portugal)
Discussion
12:27 - 12:30

AS06-4 MAT - Hungarian Arthroscopy Association
A. Tallay (Hungary)
Discussion
12:37 - 12:40

AS06-5 BAKAST - Belarusian Association of Knee Surgery, Arthroscopy and Sports Traumatology
Discussion
12:47 - 12:50

AS06-6 SFTS - French Society of Sports Traumatology / Société Française de Traumatologie du Sport
P. Thoreux (France)
Discussion
12:57 - 13:00

Free Papers
12:00 - 12:30 Space 3 - AFAS

FP40, Free Papers - Achilles tendon

Chairs:
F. Oliva (Italy)
G. Tuijthof (Netherlands)

FP40-01 The Achilles tendon Total Rupture Score - a manual of how to use it
M. Swennergren Hansen (Denmark)
12:00 - 12:06

FP40-02 Fear of reinjury and fatigue effect ankle kinetics during landing in single leg drop jump two years after an Achilles tendon rupture
12:06 - 12:12

FP40-03 The effect of symptom duration on tendon health in patients with Achilles tendinopathy
12:12 - 12:18

FP40-04 Does early functional mobilization affect long-term outcome after Achilles tendon rupture? A randomized clinical trial
12:18 - 12:24

FP40-05 Percutaneous repair of Achilles tendon rupture under ultrasound surveillance - new intraoperative visualization approach with two years follow up
M. Wróbel (Poland)
12:24 - 12:30

Free Papers
12:30 - 13:00 Space 3 - AFAS

FP41, Free Papers - New technology

Chairs:
R. Papalia (Italy)
A. Klasan (New Zealand)
Scientific Programme

**FP41-01** Improvement of technical and non-technical performance in knee arthrocentesis through training with high fidelity simulation
C. Ruz (Chile)

**FP41-02** Development of a machine learning algorithm to estimate the probability of a surgical site infection after operative fracture care

**FP41-03** Hype or trend? Machine learning versus logistic regression derived probabilities of outcomes in orthopaedic surgery: comparison of five prediction tools and model performances

**FP41-04** Can arthroscopically collected data be used to predict native knee joint survivorship?
A. Klasan (New Zealand)

**FP41-05** How can virtual reality surgical simulators be used in total hip and knee arthroplasty training for residents?
B. Antonelli (United States)