The 27th SECEC-ESSSE Congress, Berlin, Germany, 13/09/2017-16/09/2017 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 22 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.
Dear Colleagues, Friends and Members of the SECEC family,

On behalf of the German Shoulder and Elbow Society (DVSE) and on behalf of the Charité - Universitätsmedizin Berlin we feel proud and honored that after Wuerzburg in 1991 and Heidelberg in 2003 the Congress is back in Germany.

Berlin is a fascinating place to visit with an incredibly varied history – forever evolving and full of contrast. As one of the favorite destinations in Europe, the capital provides all necessary requirements for a successful meeting. Besides the established business community, Berlin offers a uniquely cultural programme, all sorts of entertainment and as Germany’s greenest city also many places for recreation.

The Congress takes place in one of the most attractive congress hotels located in the heart of Berlin, between Kurfuerstendamm and Potsdamer Platz. The InterContinental unites tradition with future and perfection and has outstanding meeting facilities still guaranteeing that the congress will be held in a familial atmosphere.

In 2017 the SECEC/ESSSE is also celebrating its 30th birthday and we are glad to host this Anniversary providing a high-quality scientific programme and an impressive framework of social events.

I am looking forward to welcoming you in one of the World’s most attractive cities and to one of the most relevant international events in the field of shoulder and elbow surgery.

Welcome to Berlin, welcome to SECEC!

Markus Scheibel
Congress President
Dear Friends and Colleagues,

Our Society returns to Germany once again – this time to one of Europe’s greatest cities. Berlin has reemerged as an enormously important metropolis, as well as the most dynamic creative hub. Where better to discuss the cutting edge of our surgical discipline?

Markus Scheibel and his colleagues have located this conference in an arena of Contemporary and Performance Art, which totally characterizes their city. This will provide a setting for an insightful reminder of the parallels between Art and Surgery, namely the fundamentals of craftsmanship and innovation.

I am confident that the presentations and discussions will push at the boundaries but, just like Art, help us to learn from the past.

I encourage you to present your work and join the activities which I am confident will influence, and even change our clinical practice.

Welcome to Berlin

Roger Emery
President SECEC
# COMMITTEES

## SECEC BERLIN 2017

**President**
Markus Scheibel (Germany)

**GERMAN SHOULDER AND ELBOW SOCIETY (DVSE) EXECUTIVE COMMITTEE**
- Markus Scheibel
- Lars Lehmann
- Lars-Peter Müller
- Manfred Pfahler
- Patric Raiss

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## SECEC—ESSSE CONGRESS

**BERLIN 2017 · GERMANY · SEPTEMBER 13-16**

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## SECEC PROGRAM COMMITTEE

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- Philip Kasten (Germany)

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## SECEC REGISTRY COMMITTEE

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**Members**:
- Lijekke Beimers (Netherlands)
- Jonathan Rees (UK)
- Bjorn Salomonsson (Sweden)
- Carlos Torrens (Spain)
- Birgit Werner (Germany)
CONGRESS VENUE

VENUE
InterContinental Berlin
Budapester Strasse 2
10787 Berlin, Germany

Berlin Zoologischer Garten
railway station
GENERAL INFORMATION

REGISTRATION & ABSTRACT SUBMISSION
www.secec.org

CAR PARKING
Parking area available at the Congress venue

WIRELESS INTERNET ACCESS
WiFi Internet access area will be available at the Congress.

SOCIAL EVENTS
Welcome Cocktail
SECEC 2017 Welcome Cocktail will be held on Wednesday, 13th late afternoon after the Opening Ceremony.
(included in the registration fee)

Gala Dinner
SECEC 2017 Gala Dinner will be held on Friday, September 15th evening.
(not included in the registration fee)

ACCOMMODATION DETAILS
Accommodation details and further announcements are available at the website.

ECO-FRIENDLY
SECEC is a sustainable and environmental friendly Congress encouraging the use of recyclable material.

SMOKING
SECEC 2017 is a non-smoking congress.

IMPORTANT DATES
Deadline for abstract submission: February 15th 2017
Deadline for early registration: June 15th 2017

REGISTRATION DESK
Participants can pick up their personal Congress material at the registration desk, which will be open as follows
Wednesday, 13th September: 15.30 - 19.30 h
Thursday, 14th September: 07.15 - 18.00 h
Friday, 15th September: 07.15 - 17.30 h
Saturday, 16th September: 07.15 - 16.15 h
The Congress Secretariat will be available to assist you during the Congress.
Please do not hesitate to contact this office for help or advice.

ATTENDANCE
The Congress usually attracts between 1.500 and 1.800 people from all over Europe and from all over the world.
GENERAL INFORMATION

NAME BADGES
Participants should wear the official Congress name badges on all Congress occasions.

EXHIBITION
Access to the exhibition is free for registered participants. The exhibition will be open on 13 - 16 September 2017 during the congress hours.

LUNCH AND REFRESHMENTS
Lunches are not included in the participants’ registration fee.
Coffee, tea will be available in the exhibition area during the breaks.

CERTIFICATE OF ATTENDANCE
Participants will receive a certificate of attendance at the Congress.

LIABILITY
By registering for the Congress and/or by participating in the exhibition joined to the Congress, participants and exhibitors agree that SECEC/ESSSE, the Organising Committee or the Congress Secretariat do not assume any responsibility for damage or injuries to persons or property during the Congress. Participants and exhibitors are advised to organise their own health, travel and personal insurances.

LETTER OF INVITATION
Upon request, the Chairman of the Local Organising Committee will be pleased to send a personal letter of invitation so as to enable participants to obtain supporting funds or visas for attending the Congress. These invitation letters cannot be considered as an offer of financial support by the organisers.
REGISTRATION FEES

MEMBERS (access to the full congress – SECEC and EUSSER sessions)

<table>
<thead>
<tr>
<th></th>
<th>Before June 30th</th>
<th>After July 1st</th>
<th>On site</th>
</tr>
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<tbody>
<tr>
<td>EUR</td>
<td>475€</td>
<td>560€</td>
<td>595€</td>
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NON MEMBERS (access to the full congress – SECEC and EUSSER sessions)

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<th>After July 1st</th>
<th>On site</th>
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<tbody>
<tr>
<td>EUR</td>
<td>595€</td>
<td>680€</td>
<td>700€</td>
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RESIDENT / TRAINEE (access to the full congress – SECEC and EUSSER sessions)

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<tr>
<td>EUR</td>
<td>330€</td>
<td>360€</td>
<td>390€</td>
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EUSSER sessions

<table>
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<th>Before June 30th</th>
<th>After July 1st</th>
<th>On site</th>
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<tbody>
<tr>
<td>FRIDAY AND SATURDAY</td>
<td>140€</td>
<td>160€</td>
<td>180€</td>
</tr>
<tr>
<td>INCLUDING WORKSHOP</td>
<td></td>
<td></td>
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<tr>
<td>ON SATURDAY</td>
<td>170€</td>
<td>190€</td>
<td>210€</td>
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The participant’s registration includes documentation, certificate of attendance, coffee breaks, access to the industrial exhibition, lunch on Saturday 16th, opening ceremony and Welcome Cocktail.

Gala Dinner: 120€
Welcome Cocktail (For non delegates): 60€

Cancellation Policy:
25% refund for those cancellations received before July 31st 2017 / No refund for those cancellations received after August 1st 2017

German VAT 19% is included in the prices listed above.
# MAIN SPONSORS

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ITEC Medical BV | 39

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WRIGHT / TORNIER | 11
ZIMMER BIOMET | 22
### Thursday, September 14th

**SYMPOSIUM 1**
**DISTAL BICEPS TENDON**
Chair: Roger van Riet (Belgium)

**ICL 1**
**BASIC RESEARCH IN ROTATOR CUFF PATHOLOGY**
Chair: Stefano Gumina (Italy)

**ICL 2**
**OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS**
Chair: Stefano Carbone (Italy)

**ICL 3**
**ELBOW ARTHROSCOPY**
Chair: Michel van den Bekerom (Netherlands)

**JSES SESSION 1**
**ELBOW**
Chair: Pierre Mansat (France), Frank Gohlke (Germany)

### Friday, September 15th

**SYMPOSIUM 2**
**BONY-MEDIATED ANTERIOR SHOULDER INSTABILITY**
Chair: Olivier Verborgt (Belgium)

**ICL 4**
**THE STIFF ELBOW**
Chair: Stefan Greiner (Germany)

**ICL 5**
**CLINICAL EXAMINATION OF THE ROTATOR CUFF**
Chair: Alexandre Lädermann (Switzerland)

**ICL 6**
**SHOULDER ARTHROPLASTY REGISTRY - WHERE ARE WE NOW?**
Chair: Bo Olsen (Denmark), Luc Favard (France)

**JSES SESSION 2**
**SHOULDER**
Chair: Frank Gohlke (Germany), Pierre Mansat (France)

### Saturday, September 16th

**ICL 7**
**CHALLENGES IN SHOULDER ARTHROPLASTY**
Chair: Anders Ekelund (Sweden)

**ICL 8**
**RADIOHUMERAL OSTEOARTHRITIS**
Chair: Adam Watts (UK)

**ICL 9**
**MANAGEMENT OF COMPLICATIONS IN SHOULDER AND ELBOW SURGERY**
Chair: Bernhard Jost (Switzerland)

**TECHNOLOGY SESSION**
**TECHNOLOGY IN EDUCATION**
Chair: Thomas Gregory (France)
### Scientific Grid

**Wednesday, September 13th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.00 - 19.15</td>
<td>OPENING CEREMONY</td>
</tr>
<tr>
<td>19.15 - 20.30</td>
<td>WELCOME RECEPTION</td>
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**Thursday, September 14th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>07.30 - 08.45</td>
<td>SYMPOSIUM 1 DISTAL BICEPS TENDON</td>
</tr>
<tr>
<td>09.00 - 10.30</td>
<td>SCIENTIFIC SESSION 1</td>
</tr>
<tr>
<td></td>
<td>ROBAX 2017 GUEST LECTURE</td>
</tr>
<tr>
<td>10.30 - 11.00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11.00 - 12.15</td>
<td>SCIENTIFIC SESSION 2</td>
</tr>
<tr>
<td></td>
<td>MISCELLANEOUS - I</td>
</tr>
<tr>
<td>12.15 - 12.45</td>
<td>SECEC 2017 GUEST LECTURE</td>
</tr>
<tr>
<td>12.55 - 14.25</td>
<td>Lunch Workshops (industry sponsored)</td>
</tr>
<tr>
<td>14.30 - 16.00</td>
<td>SCIENTIFIC SESSION 3</td>
</tr>
<tr>
<td></td>
<td>SHOULDER INSTABILITY</td>
</tr>
<tr>
<td>16.00 - 16.30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16.30 - 18.00</td>
<td>SCIENTIFIC SESSION 6</td>
</tr>
<tr>
<td></td>
<td>ELBOW 1 (INSTABILITY &amp; OTHER)</td>
</tr>
<tr>
<td>18.00 h</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>

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## Scientific Sessions

- **ICL 1**: Basic Research in Rotator Cuff Pathology (S. Gumina, Italy)
- **ICL 2**: Osteoporotic Fractures of the Proximal Humerus (S. Carbone, Italy)
- **ICL 3**: Elbow Arthroscopy (M. van den Bekerom, Netherlands)

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**Lunch Workshops (industry sponsored)**

- Page 52
## Scientific Grid

### Friday, September 15th

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Session/Workshop</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30 - 08:45 h</td>
<td>Potsdam</td>
<td>ICL 4: The Stiff Elbow, S. Greiner (Germany)</td>
</tr>
<tr>
<td>09:00 - 10:30 h</td>
<td>Pavillon</td>
<td>Scientific Session 7, Rotator Cuff - II</td>
</tr>
<tr>
<td>10:30 - 11:00 h</td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00 - 12:30 h</td>
<td>Pavillon</td>
<td>Scientific Session 9, Anatomical Shoulder Arthroplasty</td>
</tr>
<tr>
<td>12:40 - 14:10 h</td>
<td></td>
<td>Lunch Workshops (Industry sponsored) - (Page 52)</td>
</tr>
<tr>
<td>14:15 - 15:15 h</td>
<td></td>
<td>National Societies, Best Paper Prize</td>
</tr>
<tr>
<td>15:15 - 15:45 h</td>
<td></td>
<td>SECEC Presidential Guest Lecture, Felix H. “Buddy” Savoie III, MD (USA)</td>
</tr>
<tr>
<td>15:45 - 16:15 h</td>
<td></td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:15 - 17:45 h</td>
<td></td>
<td>Symposium 2, Bony-Mediated Anterior Shoulder Instability, O. Verborgt (Belgium)</td>
</tr>
<tr>
<td>17:45 - 19:15 h</td>
<td></td>
<td>SECEC General Assembly</td>
</tr>
<tr>
<td>20:30 h</td>
<td></td>
<td>SECEC 2017 - Gala Dinner</td>
</tr>
</tbody>
</table>
### Scientific Grid

**Saturday, September 16th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Potsdam</th>
<th>Pavilion</th>
<th>Charlottenburg I - II</th>
<th>Bellevue</th>
<th>Charlottenburg III</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30 - 08:45 h</td>
<td>Scientific Session 11 Reverse Shoulder Arthroplasty – I</td>
<td>ICL 7 Challenges in Shoulder Arthroplasty A. Ekblom (Sweden)</td>
<td>ICL 8 Radiohumeral Osteoarthritis Adam Watts (UK)</td>
<td>ICL 9 Management of Complications in Shoulder and Elbow Surgery B. Jost (Switzerland)</td>
<td>Technology Session Technology in Education T. Gregory (France)</td>
</tr>
<tr>
<td>09:00 - 10:30 h</td>
<td><strong>Eusser Day</strong> Return to Play Following Shoulder and Elbow Injuries Part 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30 - 11:00 h</td>
<td></td>
<td></td>
<td></td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>11:00 - 11:50 h</td>
<td>AWARD SESSION</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>12:00 - 12:50 h</td>
<td>Invited Societies Session German Societies DVSE and AGA</td>
<td></td>
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<tr>
<td>12:50 - 13:40 h</td>
<td>Lunch Break at the Exhibition Area</td>
<td></td>
<td></td>
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<tr>
<td>13:40 - 14:20 h</td>
<td>Scientific Session 12 Reverse Shoulder Arthroplasty – II</td>
<td></td>
<td></td>
<td><strong>Eusser Day</strong> Scientific Session 15 Rehabilitation I</td>
<td></td>
</tr>
<tr>
<td>14:30 - 15:20 h</td>
<td>Scientific Session 13 Miscellaneous – II</td>
<td></td>
<td></td>
<td><strong>Eusser Day</strong> Scientific Session 16 Rehabilitation II</td>
<td></td>
</tr>
<tr>
<td>15:20 - 16:15 h</td>
<td>Scientific Session 14 New Techniques / Tips &amp; Tricks</td>
<td></td>
<td></td>
<td><strong>Eusser Day</strong> Workshops</td>
<td></td>
</tr>
<tr>
<td>16:15 h</td>
<td>Closing Remarks</td>
<td></td>
<td></td>
<td></td>
<td><strong>Eusser Day</strong> Workshops</td>
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</tbody>
</table>
### INSTABILITY

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Surgery Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicolas Bonnevialle</td>
<td>France</td>
<td>Revision of open Latarjet with arthroscopic Eden-Hybinette + Hill-Sachs remplissage</td>
</tr>
<tr>
<td>Elisabeth Böhm</td>
<td>Germany</td>
<td>Arthroscopic iliac crest bone grafting for anterior shoulder instability</td>
</tr>
<tr>
<td>Johannes Barth</td>
<td>France</td>
<td>Can a drill guide improve graft placement during the Latarjet procedure?</td>
</tr>
<tr>
<td>Gregory Cvetanovich</td>
<td>USA</td>
<td>The use of accessory portals in Bankart repair with posterior extension in the lateral decubitus position</td>
</tr>
<tr>
<td>Luis Natera</td>
<td>Spain</td>
<td>The purse string procedure for recurrent anterior glenohumeral instability</td>
</tr>
<tr>
<td>Raffaele Russo</td>
<td>Italy</td>
<td>The asa bone-bloc procedure for recurrent anterior shoulder instability and capsular deficiency</td>
</tr>
<tr>
<td>Philipp Moroder</td>
<td>Germany</td>
<td>The shoulder-pacemaker: treatment of functional shoulder instability with pathological muscle activation</td>
</tr>
</tbody>
</table>

### MASSIVE ROTATOR CUFF TEAR

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Surgery Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jörn Kircher</td>
<td>Germany</td>
<td>Rotator cuff reconstruction with an autologus hamstring tendon patch (TEAR patch)</td>
</tr>
<tr>
<td>Paolo Paladini</td>
<td>Italy</td>
<td>Arthroscopic latissimus dorsi transfer</td>
</tr>
<tr>
<td>Ricardo De Casas</td>
<td>Spain</td>
<td>Latissimus dorsi transfer combined with subacromial spacer for the management of irreparable rotator cuff tears. Tips and tricks.</td>
</tr>
<tr>
<td>Marvin Minkus</td>
<td>Germany</td>
<td>Superior capsular reconstruction (SCR) for irreparable posterosuperior rotator cuff tendon tears</td>
</tr>
<tr>
<td>Luis Natera</td>
<td>Spain</td>
<td>Arthroscopic assisted management of unstable distal third clavicle fractures: conoid ligament reconstruction and fracture cerclage with sutures</td>
</tr>
<tr>
<td>Luis Natera</td>
<td>Spain</td>
<td>The &quot;parachute&quot; technique: a simple and effective single-row procedure to achieve an increased contact area between the cuff-tendon and its footprint</td>
</tr>
</tbody>
</table>

### ELBOW

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Surgery Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Przemo Lubiatowski</td>
<td>Poland</td>
<td>Arthroscopic treatment for tennis elbow</td>
</tr>
<tr>
<td>Stefan Greiner</td>
<td>Germany</td>
<td>Internal bracing for acute elbow instability</td>
</tr>
<tr>
<td>Stefan Greiner</td>
<td>Germany</td>
<td>Arthroscopic elbow release for osteoarthritis</td>
</tr>
</tbody>
</table>

### TRAUMATOLOGY

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Surgery Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raffaele Russo</td>
<td>Italy</td>
<td>Control volume theory</td>
</tr>
<tr>
<td>Luis Natera</td>
<td>Spain</td>
<td>Arthroscopic assisted management of acute unstable acromioclavicular joint injuries</td>
</tr>
</tbody>
</table>

### ARTHROPLASTY

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Surgery Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luis Natera</td>
<td>Spain</td>
<td>Revision of resurfacing shoulder arthroplasty to reverse total shoulder arthroplasty</td>
</tr>
</tbody>
</table>
INVITED LECTURES

THURSDAY, SEPTEMBER 14th

SECEC 2017 GUEST LECTURE
Forensic Medicine - What is new in the 21st century?
Prof. Michael Tsokos
Director of the Institute of Legal Medicine and Forensic Sciences,
Charité-Universitätsmedizin Berlin, Germany

FRIDAY, SEPTEMBER 15th

SECEC PRESIDENTIAL - GUEST LECTURE
Ups and downs in Shoulder and Elbow surgery - How to strive for the mountain top and bring others with you
Felix H. “Buddy” Savoie III, MD
ASES President
Tulane University - New Orleans
Chairman of Orthopaedic Surgery Chief of Sports Medicine, USA

INVITED SOCIETIES SESSION

SATURDAY, SEPTEMBER 16th

German Shoulder and Elbow Society (DVSE)

Society of Arthroscopy and Joint Surgery (AGA)
SYMPOSIA

**THURSDAY, SEPTEMBER 14TH**

Room POTSDAM - 09.00 - 10.30 h

**SYMPOSIUM 1**
DISTAL BICEPS TENDON
Chair: Roger van Riet (Belgium)

- Anatomical and biomechanical aspects of the distal biceps tendon
  Michel van den Bekerom (Netherlands)
- Partial tears of distal biceps - work-up and treatment
  Roger van Riet (Belgium)
- One or two incision technique
  Raul Barco (Spain)
- Rehabilitation after distal biceps repair
  Val Jones (UK)
- Complications in distal biceps repair - how to avoid?
  Paolo Arrigoni (Italy)

**FRIDAY, SEPTEMBER 15TH**

Room POTSDAM - 16.15 - 17.45 h

**SYMPOSIUM 2**
BONY-MEDIATED ANTERIOR SHOULDER INSTABILITY
Chair: Olivier Verborgt (Belgium)

- Biomechanical perspectives of bony-mediated shoulder instability
  Laurent Willemot (Belgium)
- Clinical and radiological examination of bony-mediated shoulder instability and treatment implications
  Przemyslaw Lubiatowski (Poland)
- Remplissage and humeral head grafting procedures: techniques and long-term results
  Giovanni Di Giacomo (Italy)
- Coracoid transfer procedures: techniques and long-term results
  Lionel Neyton (France)
- Free bone grafting procedures: the past, the present and the future
  Markus Scheibel (Germany)
INSTRUCTIONAL COURSE LECTURES

Thursday, September 14th

Room PAVILLON - 07:30 - 08:45 h

ICL 1
BASIC RESEARCH IN ROTATOR CUFF PATHOLOGY
Chair: Stefano Gumina (Italy)

Etiology of rotator cuff degeneration: relationship with medical condition
Matthias Zumstein (Switzerland)

Role of antioxidants in rotator cuff tendon degeneration
Hyung Bin Park (Korea)

Current concepts on extrinsic factors in rotator cuff tears
Emilio Calvo (Spain)

Biological strategies to enhance rotator cuff healing: bioactive scaffolds, PRP and stem cells
Andrew Carr (UK)

Pulsed electromagnetic fields on human tendon stem cells
Pietro Randelli (Italy)

ICL 2
OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS
Chair: Stefano Carbone (Italy)

Fractures of the proximal humerus in osteoporotic bone
Christian Olsson (Sweden)

Assessing osteoporosis in fractures of the proximal humerus
Christian Spross (Switzerland)

Treatment of osteoporotic proximal humerus fractures
Bartlomiej Kordasiewicz (Poland)

Augmentation techniques in fixation of proximal humerus fractures
Raffaele Russo (Italy)

Failure of fixation in osteoporotic proximal humerus fractures
Mark Tauber (Germany)

Room BELLEVUE - 07:30 - 08:45 h

ICL 3
ELBOW ARTHROSCOPY
Chair: Michel van den Bekerom (Netherlands)

Relevant anatomy and portals
Alexander van Tongel (Belgium)

Arthroscopic assessment and treatment of instability
Felix “Buddy” Savoie (USA)

Arthroscopic treatment of degeneration of the elbow
Paolo Arrigoni (Italy)

Arthroscopic fracture treatment
Kilian Wegmann (Germany)
INSTRUCTIONAL COURSE LECTURES

FRIDAY, SEPTEMBER 15TH

Room PAVILION - 07:30 - 08.45 h

ICL 4
THE STIFF ELBOW
Chair: Stefan Greiner (Germany)

- Posttraumatic stiffness - how to avoid and how to treat
  Christian Gerhardt (Germany)
- Open treatment of the stiff elbow - indications and outcome
  Alberto Schneeberger (Switzerland)
- Arthroscopic treatment of stiff elbow
  Stefan Greiner (Germany)
- Nerve related complications in the treatment
  of the stiff elbow
  Davide Blonna (Italy)

Room BELLEVUE - 07:30 - 08.45 h

ICL 6
SHOULDER ARTHROPLASTY REGISTRY – WHERE ARE WE NOW?
Chair: Bo Olsen (Denmark), Luc Favard (France)

- Danish Shoulder Arthroplasty Registry (DSR); Maintenance and how to optimize the data set in a national registry
  Steen Lund Jensen (Denmark)
- Swedish Shoulder Arthroplasty Registry historic overview and international cooperation with focus on NARA (common data set) and SECEC registry committee
  Björn Salomonsson (Sweden)
- Registry Data and treatment of arthrosis. Clinical impact.
  Jeppe Rasmussen (Denmark)
- The Australian Shoulder Arthroplasty Registry. Registry data on revision surgery and treatment of the cuff deficient shoulder
  Richard Page (Australia)
- British Shoulder Arthroplasty Registry. Development of a new national registry, creation of and presenting the dataset, securing immediate national impact and impact of registry data on the treatment of shoulder fractures
  Jonathan Rees (UK)
- German Shoulder Arthroplasty Registry. Creating a national voluntary registry with a focus on a strong dataset. Strengths and weaknesses
  Petra Magosch (Germany)

Room CHARLOTTENBURG I-II - 07:30 - 08.45 h

ICL 5
CLINICAL EXAMINATION OF THE ROTATOR CUFF
Chair: Alexandre Lädermann (Switzerland)

- Examination of the subscapularis
  Johannes Barth (France)
- Examination of the supraspinatus
  Anthony Romeo (USA)
- Examination of the infraspinatus
  Alexandre Lädermann (Switzerland)
- Examination of the teres minor
  Philippe Collin (France)
INSTRUCTIONAL COURSE LECTURES

Saturday, September 16th

Room PAVILLON - 07.30 - 08.45 h

ICL 7
CHALLENGES IN SHOULDER ARTHROPLASTY
Chair: Anders Ekelund (Sweden)

The infected arthroplasty
Ludwig Seebauer (Germany)

Anatomical or reverse arthroplasty in osteoarthritis - practical approach for preoperative evaluation
Ofer Levy (UK)

Surgical technique for reverse arthroplasty in acute proximal humeral fractures
Francois Sirveaux (France)

Bone grafting techniques of the glenoid
Anders Ekelund (Sweden)

How to remove a well fixed humeral component
Lieven de Wilde (Belgium)

Room BELLEVUE - 07.30 - 08.45 h

ICL 9
MANAGEMENT OF COMPLICATIONS IN SHOULDER AND ELBOW SURGERY
Chair: Bernhard Jost (Switzerland)

Arthroscopic rotator cuff repair
Mehmet Demirhan (Turkey)

Proximal humerus fractures
Uli Brunner (Germany)

Reverse total shoulder arthroplasty
Christian Gerber (Switzerland)

Acute and chronic elbow instability
Pierre Mansat (France)

Distal humerus fractures
Franz Krailinger (Austria)

Room CHARLOTTENBURG I-II - 07.30 - 08.45 h

ICL 8
RADIOHUMERAL OSTEOARTHRITIS
Chair: Adam Watts (UK)

Cartilage debridement and Pridie techniques
Adam Watts (UK)

Shortening osteotomy
Lars Peter Mueller (Germany)

Interposition arthroplasty
Antonio M. Foruria (Spain)

Arthroscopic radial head resection
Raul Barco (Spain)

Radiohumeral arthroplasty
Roger van Riet (Belgium)
# Scientific Sessions

## Thursday, September 14th

<table>
<thead>
<tr>
<th>Room</th>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>Room Potsdam</td>
<td>11.00-12.15 h</td>
<td>Rotator Cuff - I</td>
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<td>14.30-16.00 h</td>
<td>Shoulder Fractures</td>
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<td>16.30-18.00 h</td>
<td>Shoulder Instability</td>
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<td>Room Pavillon</td>
<td>11.00-12.15 h</td>
<td>Miscellaneous - I</td>
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<td>14.30-16.00 h</td>
<td>Basic Science</td>
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<td>16.30-18.00 h</td>
<td>Elbow I (Instability &amp; Other)</td>
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<td>Room Tiergarten</td>
<td>07.30-08.45 h</td>
<td>JSES Elbow</td>
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## Friday, September 15th

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<td>09.00-10.30 h</td>
<td>Rotator Cuff - II</td>
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<td>11.00-12.30 h</td>
<td>Anatomical Shoulder Arthroplasty</td>
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<td>Room Pavillon</td>
<td>09.00-10.30 h</td>
<td>Elbow II (Prosthesis &amp; Fractures)</td>
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<td>11.00-12.30 h</td>
<td>Young Forum Session</td>
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<td>Room Tiergarten</td>
<td>07.30-08.45 h</td>
<td>JSES Shoulder</td>
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## Saturday, September 16th

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<tr>
<td>Room Potsdam</td>
<td>09.00-10.30 h</td>
<td>Reverse Shoulder Arthroplasty - I</td>
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<td>12.00-12.50 h</td>
<td>Invited Societies Session - German Societies DVSE and AGA</td>
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<td>13.40-14.20 h</td>
<td>Reverse Shoulder Arthroplasty - II</td>
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<td>14.30-15.20 h</td>
<td>Miscellaneous - II</td>
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<td>15.20-16.15 h</td>
<td>New Techniques / Tips &amp; Tricks</td>
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<tr>
<td>Room Pavillon</td>
<td>14.00-15.00 h</td>
<td>Rehabilitation I</td>
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<td>Rehabilitation II</td>
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<tr>
<td>Room Charlottenburg III</td>
<td>07.30-08.45 h</td>
<td>Technology Session</td>
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JSES & TECHNOLOGY SESSION

**THURSDAY, SEPTEMBER 14th**

**JSES SESSION 1: ELBOW**

IN THE FOCUS OF INTEREST: THE MOST FREQUENTLY CITED EUROPEAN JSES PAPERS

Moderators: Pierre Mansat (France), Frank Gohlke (Germany)

- Lars Müller (Germany)
  Treatment of unstable elbow dislocations with hinged elbow fixation-subjective and objective results.
  Hopf JC, Berger V, Kriegstein CF, Müller LP, Koslowsky TC.

- The circumferential graft technique for treatment of multidirectional elbow instability: a comparative biomechanical evaluation.

Alberto Schneeberger (Switzerland)
EBM analysis

Crossfire discussion:
Decision making in front of a complex elbow trauma
Case discussion with L Müller, A Schneeberger and the audience using live poll

**SATURDAY, SEPTEMBER 16th**

**TECHNOLOGY SESSION: TECHNOLOGY IN EDUCATION**

Chair: Thomas Gregory (France)

Arthroscopic training and simulation, state of the art
Gabriëlle Tuijthof (Netherlands)

Haptics and simulation for orthopaedic surgery and training
Ferdinando Rodríguez y Baena (UK)

Simulation based shoulder and elbow management
Young Lae Moon (South Korea)

Virtual reality simulators and surgical certification
Thomas Gregory (France)

**FRIDAY, SEPTEMBER 15th**

**JSES SESSION 2: SHOULDER**

IN THE FOCUS OF INTEREST: THE MOST FREQUENTLY CITED EUROPEAN JSES PAPERS

Moderators: Frank Gohlke (Germany), Pierre Mansat (France)

- Papers Shoulder arthroplasty in the young – anatomic or reverse design to prefer?
  Christian Gerber (Switzerland)
  Reverse total shoulder arthroplasty for massive irreparable rotator cuff tears in patients younger than 65 years old: Results after five to fifteen years (Cited by 65 papers)
  Ek, E.T.H., Neukom, L., Catanzaro, S., Gerber, C.

- Lars Lehmann (Germany)
  EBM analysis

Crossfire discussion:
Age limits and preferable design in younger patients
Case discussion with C. Gerber, P. Raiss and the audience using live poll

**THURSDAY, SEPTEMBER 14th**

Room TIERGARTEN - 07:30 - 08.45 h

**FRIDAY, SEPTEMBER 15th**

Room TIERGARTEN - 07:30 - 08.45 h

**SATURDAY, SEPTEMBER 16th**

Room CHARLOTTENBURG III - 07:30 - 08.45 h
SCIENTIFIC PROGRAM
INSTRUCTIONAL COURSE LECTURE 1

BASIC RESEARCH IN ROTATOR CUFF PATHOLOGY
Chair: Stefano Gumina (Italy)
ROOM PAVILLON · 07:30 - 08:45

07:35 - 07:45
Etiology of rotator cuff degeneration: relationship with medical condition
Matthias Zumstein
Switzerland
07:45 - 07:55
Role of antioxidants in rotator cuff tendon degeneration
Hyung Bin Park
Korea
07:55 - 08:05
Current concepts on extrinsic factors in rotator cuff tears
Emilio Calvo
Spain
08:05 - 08:15
Biological strategies to enhance rotator cuff healing: bioactive scaffolds, PRP and stem cells
Andrew Carr
UK
08:15 - 08:25
Pulsed electromagnetic fields on human tendon stem cells
Pietro Randelli
Italy
08:25 - 08:45
Discussion

INSTRUCTIONAL COURSE LECTURE 2

OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS
Chair: Stefano Carbone (Italy)
ROOM CHARLOTTENBURG I-II · 07:30 - 08:45

07:35 - 07:45
Fractures of the proximal humerus in osteoporotic bone
Christian Olsson
Sweden
07:45 - 07:55
Assessing osteoporosis in fractures of the proximal humerus
Christian Spross
Switzerland
07:55 - 08:05
Treatment of osteoporotic proximal humerus fractures
Bartłomiej Kordasiewicz
Poland
08:05 - 08:15
Augmentation techniques in fixation of proximal humerus fractures
Raffaele Russo
Italy
08:15 - 08:25
Failure of fixation in osteoporotic proximal humerus fractures
Mark Tauber
Germany
08:25 - 08:45
Discussion

INSTRUCTIONAL COURSE LECTURE 3

ELBOW ARTHROSCOPY
Chair: Michel van den Bekerom (Netherlands)
ROOM BELLEVUE · 07:30 - 08:45

07:30 - 07:45
Relevant anatomy and portals
Alexander van Tongel
Belgium
07:45 - 08:00
Arthroscopic assessment and treatment of instability
Felix “Buddy” Savoie
USA
08:00 - 08:15
Arthroscopic treatment of degeneration of the elbow
Paolo Arrigoni
Italy
08:15 - 08:30
Arthroscopic fracture treatment
Kilian Wegmann
Germany
08:30 - 08:45
Discussion

JSSES SESSION 1

ELBOW
Moderators: Pierre Mansat (France), Frank Gohlke (Germany)
ROOM TIERGARTEN · 07:30 - 08:45
In the focus of interest: The most frequently cited European JSES papers

Lars Müller (Germany)
Treatment of unstable elbow dislocations with hinged elbow fixation-subjective and objective results.
Hopf JC, Berger V, Kriegstein CF; Müller LP, Koslowsky TC.
The circumferential graft technique for treatment of multidirectional elbow instability: a comparative biomechanical evaluation.
Alberto Schneeberger (Switzerland)

EBM analysis
Crossfire discussion:
Decision making in front of a complex elbow trauma
Case discussion with L Müller, A Schneeberger and the audience using live poll

SYMPOSIUM 1

DISTAL BICEPS TENDON
Chair: Roger van Riet (Belgium)
ROOM POTSDAM - 09:00 - 10:30

09:00 - 09:15
Anatomical and biomechanical aspects of the distal biceps tendon
Michel van den Bekerom
Netherlands
09:15 - 09:30
Partial tears of distal biceps - work-up and treatment
Roger van Riet
Belgium
09:30 - 09:45
One or two incision technique
Raul Barco
Spain
09:45 - 10:00
Rehabilitation after distal biceps repair
Val Jones
UK
10:00 - 10:15
Complications in distal biceps repair - how to avoid?
Paolo Arrigoni
Italy
10:15 - 10:30
Discussion

COFFEE BREAK
10:30 - 11:00
**SCIENTIFIC PROGRAM**

**Thursday, September 14th**

3. Clinical Epidemiology Program, Ottawa Hospital Research Institute, The Ottawa Hospital, Ottawa, Canada
4. Section of Orthopaedic Surgery & The Pan Am Clinic, University of Manitoba, Winnipeg, Canada

11:40 - 11:48

**OP-6. The effect of intravenous tranexamic acid on the visual clarity during arthroscopic rotator cuff repair:**
A randomised controlled, double blind study  
Ali Ersen, Mehmet Ersin, Mehmet Buget, Ata Can Atalar  
Istanbul University Istanbul Medical Faculty, Istanbul, Turkey

11:48 - 11:56

**OP-7. Effect of recombinant human growth hormone on rotator cuff healing after arthroscopic repair:**
Joo Han Oh1, Seok Won Chung2, Kyung-Soo Oh2, Jae Chul Yoo3, Yang Soo Kim4, Jin-Young Park5  
1. Seoul National University Bundang Hospital, Seongnam-Si, South Korea  
2. Konkuk University Medical Center, Seoul, South Korea  
3. Samsung Seoul Medical Center, Seoul, South Korea  
4. Seoul Saint Mary’s Hospital, Seoul, South Korea  
5. Neon Orthopaedic Clinic, Seoul, South Korea

11:56 - 12:04

**OP-8. A pilot study examining the feasibility and safety of using bone marrow aspirate concentrate in improving rotator cuff tendon healing following arthroscopic rotator cuff repair:**
Michael Oliver Schär1, Camila Carballo2, Arielle Hall2, Liang Ying2, Hollis Potter2, Russell Warren2, Scott Roder2  
1. Inselspital, University of Bern, Bern, Switzerland  
2. Hospital for Special Surgery, New York City, Switzerland

12:04 - 12:12

**OP-9. Management and outcome of acute postoperative infections after arthroscopic rotator cuff repair in the shoulder:**
A prospective cohort study.  
Kjersti Kaul Jenssen1, Kirsten Lundgreen1, Jan Erik Madsen1, Sigbjørn Dimmen1  
1. Lovisenberg Diaconal Hospital, Oslo, Norway  
2. Oslo University Hospital, Oslo, Norway

11:00 - 11:08

**OP-10. How do we deliver our findings? analysis of podium presentations in shoulder meetings:**
Joan Miquel1, Fernando Santana2, Carlos Torrens2  
1. Consorci Sanitari de l’Anoia, Igualada, Spain  
2. Parc de Salut Mar, Barcelona, Spain

11:08 - 11:16

**OP-11. Concomitant glenohumeral pathologies associated with acute and chronic grade III and grade V acromioclavicular joint injuries:**
Gunnar Jensen1, Peter James Millett2, Dimitri Satesh Taha3, Mireille Al Ibaidi4, Helmut Lil5, Jan Christoph Kalthagen1  
1. Diakovere Friedenkiestift, Hannover, Germany  
2. The Steadman Clinic, Vail, Germany  
3. Steadman Philippon Research Institute, Vail, United States  
4. Department of Trauma, Hand and Reconstructive Surgery University Hospital Münster, Münster, Germany

11:16 - 11:24

**OP-12. Analysis of complications after arthroscopic stabilization of chronic ac-joint instabilities with a gracilis tendon graft and tight-rope augmentation:**
Carmen Hann, Nina Maziak, Marvin Minkus, Natascha Kraus, Markus Scheibel  
Center for Musculoskeletal Surgery, Charité-Universitätsmedizin Berlin, Germany

11:24 - 11:32

**OP-13. Mid- to longterm outcome of glenohumeral microfracturing:**
Julia K Frank1, Lukas Bauer2, Philipp R Heuberer1, Ulrich Lanz2, Brenda Laky1, Christian Wurnig1, Werner Andler1, Leo Faunenberger1  
1. St Vincent Shoulder & Sports Clinic, Vienna, Austria  
2. I Orthopaedic Department, Orthopaedic Hospital Speising, Vienna, Austria

11:32 - 11:40

**OP-14. Treatment of focal glenohumeral cartilage defects with autologous chondrocyte transplantation – preliminary results:**
Elisabeth Böhm1, Marvin Minkus, Anna Krükenberg, Markus Scheibel  
Center for Musculoskeletal Surgery, Charité-Universitätsmedizin Berlin, Germany

11:40 - 11:48

**OP-15. Sham surgery for SLAP lesions of the shoulder:**
Cecilie Piene Schrøder1, Øystein Skare1, Olav Reikerås2, Petter Mowinckel1, Jens Ivar Brox2  
1. Lovisenberg Diaconal Hospital, Oslo, Norway  
2. Oslo University Hospital, Oslo, Norway

11:48 - 11:56

**OP-16. Tenodesis renders superior long-term outcomes for isolated supraspinatus tears with biceps pathology in younger patients:**
Arnaud Godeneche1, Philippe Collin2, Gilles Walch3, Philippe Valenti3, Pierre Mansat4, Jean-François Kamp5  
1. Ramsay Générale de Santé, Hôpital Privé Jean Mermoz, Centre Orthopédique Santy, Lyon, France  
2. Clinique Saint Grégoire, Saint Grégoire, France

**MISCELLANEOUS - I**

Moderators:  
Dennis Liem (Germany)  
Antonio Cartucho (Portugal)

ROOM PAVILLON  · 11:00 - 12:15

11:00 - 11:08

**OP-10. How do we deliver our findings? analysis of podium presentations in shoulder meetings:**
Joan Miquel1, Fernando Santana2, Carlos Torrens2  
1. Consorci Sanitari de l’Anoia, Igualada, Spain  
2. Parc de Salut Mar, Barcelona, Spain
3. Institut parisien de l’épaule, Paris, France
4. CHU de Toulouse, Toulouse, France
5. CHRU de Strasbourg, Strasbourg, France

11:56 - 12:04
OP-17. Brain recovery is only partial after anterior shoulder stabilization
Alexandre Lädermann¹, Gregory Cunningham ᵃ
¹. La Tour Hospital, Meyrin, Switzerland
². La Colline Hirslanden, Geneva, Switzerland
12:04 - 12:12
OP-18. Is economic evaluation in orthopedic surgery an obstacle to innovation? The Latarjet procedure example.
Christel Conso, Emmanuel De Thomasson, Olivier Guingand, Richard Terracher, Christian Mazel
Institut Mutualiste Montsouris, Paris, France

SECEC 2017 GUEST LECTURE

Forensic Medicine - What is new in the 21st century?
ROOM POTSDAM  ·  12:15  -  12:45
Prof. Michael Tsokos
Director of the Institute of Legal Medicine and Forensic Sciences,
Charité-Universitätsmedizin Berlin, Germany

LUNCH WORKSHOPS (INDUSTRY SPONSORED)

12.55 - 14.25
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SCIENTIFIC SESSION 3

SHOULDER FRACTURES
Moderators: Harry Georgousis (Greece)
            Helmut Lill (Germany)
ROOM POTSDAM  - 14:30  -  16:00

14:30 - 14:38
OP-19. Patterns of osteoporotic proximal humerus fractures
Stefano Carbone¹, Matteo Papalia², Valerio Arceri³, Riccardo Mezzoprete³, Andrea Carboni¹
¹. Sapienza University of Rome, Dept. Of Molecular Medicine, Rome, Italy
². Clinica Nuova Ior, Dept. Of Orthopaedics and Traumatology, Rome, Italy
³. Ospedale San Camillo de Lellis, Dept. Of Orthopaedics and Traumatology, Rome, Italy
14:38 - 14:46
OP-20. Is central skeleton bone quality a predictor of the severity of proximal humeral fractures?
Ewha Womans University Mokdong Hospital, Seoul, South Korea
14:46 - 14:54
OP-21. Can the knowledge of the glenohumeral relationship be helpful in the treatment of proximal humeral fractures?
Alexander Gallant, Thomas Van Isterdael, Lieven De Wilde, Alexander Van Tongel
University Hospital Gent, Gent, Belgium
14:54 - 15:02
OP-22. Five year follow-up results of the PROFHER randomised clinical trial
Amar Rangan¹, Helen Handoll², Stephen Brealey³, Ada Keding³, Belen Corbacho-Martin³, Catherine Hewitt³
¹. The James Cook University Hospital, Middlesbrough, United Kingdom
². Teesside University, Middlesbrough, United Kingdom
³. University of York, York, United Kingdom
15:02 - 15:10
OP-23. Locked plating for displaced proximal humeral fractures - outcome and complications in 1104 consecutive cases.
Ben Ockert, Mark Daferner, Niklas Biermann, Georg Siebenbürger, Mirjam Lange, Tobias Helfen, Wolfgang Böcker
Shoulder and Elbow Service, Munich University Hospital (LMU), Munich, Germany
15:10 - 15:18
Christian Spross, Jan Meester, Ruben Angiolo Mazzucchelli, Viljam Zdravkovic, Gabor Puscas, Bernhard Jost
Kantonsspital St. Gallen, St. Gallen, Switzerland
15:18 - 15:26
OP-25. Results and therapeutic management of combined fractures of the glenoid and proximal humerus
Matthias Königshausen, Eileen Mempel, Valentin Rausch, Alexander Von Gliniski, Jan Gessmann, Thomas Armin Schildhauer, Dominik Seybold
University Bergmannsheil Bochum, Bochum, Germany
OP-26. Inferior outcome after shoulder arthroplasty for failed osteosynthesis in proximal humeral fractures compared with primary shoulder arthroplasty of proximal humeral fractures: a registry-based study of 285 cases.
Marc Randall Kristensen1, Jeppe Vojgaard Rasmussen1, Brian Elmengaard2, Steen Lund Jensen3, Bo Sanderhoff Olsen4, Stig Broson1
1 Herlev Hospital, Copenhagen, Denmark
2 Aarhus University Hospital, Aarhus, Denmark
3 Aalborg University Hospital, Aalborg, Denmark
15:34 - 15:42
OP-27. Early versus late reverse shoulder arthroplasty for proximal humerus fractures: does it matter?
Adam Seidl1, Daniel Sholder2, William Warrender2, Michael Livesey2, Gerald Williams3, Joseph Abboud4, Surena Namdari4
1 University of Colorado, Aurora, Co, United States
2 The Rothman Institute, Philadelphia, Pa, United States
15:42 - 15:50
OP-28. Reverse shoulder arthroplasty for fracture sequelae with minimum 5-year follow-up
Brian L. Seeto1, Mikaël Chelli1, Gilles Clowez1, Lionel Neyton2, Christophe Trojani3, Pascal Bolleau3
1 IULS - Hôpital Pasteur 2, Nice, France
2 Centre Medical Santy, Lyon, France
15:50 - 15:58
OP-29. Intramedullary nailing in the treatment of humeral shaft fractures: distal interlocking or not?
Romain Colombi, Adrien Bevand, Ludovic Labattut, Brice Viard, Pierre Martz, Emmanuel Baulot
Dijon university hospital, Department of Orthopaedic surgery, Dijon, France
14:38 - 14:46
OP-31. PARP-1 Inhibition improves healing in a rat model of acute rotator cuff repair
Mike B Künzler1, Matthias A Zumstein1, Michelle H Mogarry2, Masaki Akeda3, Hansel E Ihn4, Agnieszka Karol5, Brigitte Von Rechenberg5, Thay Q Lee5
1 Inselspital University Hospital Bern, Bern, Switzerland
2 VA Long Beach Healthcare System, Long Beach, United States
3 Vetsuisse Faculty University of Zurich, Zurich, Switzerland
14:46 - 15:02
OP-33. Perspectives in rotator cuff repair with tenocytes and scaffold
Björn Peter Roßbach1, Matthias Frank Pietschmann1, Lena Kempfert2, Mehmet Fatih Gülecyüz3, Konstanze Eichmüller4, Lena Kemfert2, Peter Ernst Müller5
1 Asklepios Klinik St. Georg, Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany
2 Department of Orthopaedics, Physical Medicine and Rehabilitation -Medical Center of the University of Munich (Ludwig-Maximilians-University), Munich, Germany
3 Klinikum der Universität München, LMU, Campus Großhadern, Klinik und Poliklinik für Orthopädie, Physikalische Medizin und Rehabilitation, München, Germany
4 Orthopädie Oberland, Weilheim I. Ob, Germany
5 Asklepios Klinik St. Georg, Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany
14:30 - 14:38
OP-30. Hypoxia, apoptosis and oxidative stress in rotator cuff fibroblasts
Hyung Bin Park, Mincheol Kam, Jin-Hyung Im, Ji-Yong Gwark
Department of Orthopaedic Surgery, Gyeongsang National University Changwon Hospital, Changwon, South Korea
14:30 - 14:38
SCIENTIFIC PROGRAM
Thursday, September 14th
15:26 - 15:34
OP-26. Inferior outcome after shoulder arthroplasty for failed osteosynthesis in proximal humeral fractures compared with primary shoulder arthroplasty of proximal humeral fractures: a registry-based study of 285 cases.
Marc Randall Kristensen1, Jeppe Vojgaard Rasmussen1, Brian Elmengaard2, Steen Lund Jensen3, Bo Sanderhoff Olsen4, Stig Broson1
1 Herlev Hospital, Copenhagen, Denmark
2 Aarhus University Hospital, Aarhus, Denmark
3 Aalborg University Hospital, Aalborg, Denmark
15:34 - 15:42
OP-27. Early versus late reverse shoulder arthroplasty for proximal humerus fractures: does it matter?
Adam Seidl1, Daniel Sholder2, William Warrender2, Michael Livesey2, Gerald Williams3, Joseph Abboud4, Surena Namdari4
1 University of Colorado, Aurora, Co, United States
2 The Rothman Institute, Philadelphia, Pa, United States
15:42 - 15:50
OP-28. Reverse shoulder arthroplasty for fracture sequelae with minimum 5-year follow-up
Brian L. Seeto1, Mikaël Chelli1, Gilles Clowez1, Lionel Neyton2, Christophe Trojani3, Pascal Bolleau3
1 IULS - Hôpital Pasteur 2, Nice, France
2 Centre Medical Santy, Lyon, France
15:50 - 15:58
OP-29. Intramedullary nailing in the treatment of humeral shaft fractures: distal interlocking or not?
Romain Colombi, Adrien Bevand, Ludovic Labattut, Brice Viard, Pierre Martz, Emmanuel Baulot
Dijon university hospital, Department of Orthopaedic surgery, Dijon, France
14:38 - 14:46
OP-31. PARP-1 Inhibition improves healing in a rat model of acute rotator cuff repair
Mike B Künzler1, Matthias A Zumstein1, Michelle H Mogarry2, Masaki Akeda3, Hansel E Ihn4, Agnieszka Karol5, Brigitte Von Rechenberg5, Thay Q Lee5
1 Inselspital University Hospital Bern, Bern, Switzerland
2 VA Long Beach Healthcare System, Long Beach, United States
3 Vetsuisse Faculty University of Zurich, Zurich, Switzerland
14:46 - 15:02
OP-33. Perspectives in rotator cuff repair with tenocytes and scaffold
Björn Peter Roßbach1, Matthias Frank Pietschmann1, Lena Kempfert2, Mehmet Fatih Gülecyüz3, Konstanze Eichmüller4, Lena Kemfert2, Peter Ernst Müller5
1 Asklepios Klinik St. Georg, Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany
2 Department of Orthopaedics, Physical Medicine and Rehabilitation -Medical Center of the University of Munich (Ludwig-Maximilians-University), Munich, Germany
3 Klinikum der Universität München, LMU, Campus Großhadern, Klinik und Poliklinik für Orthopädie, Physikalische Medizin und Rehabilitation, München, Germany
4 Orthopädie Oberland, Weilheim I. Ob, Germany
5 Asklepios Klinik St. Georg, Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany
14:30 - 14:38
OP-30. Hypoxia, apoptosis and oxidative stress in rotator cuff fibroblasts
Hyung Bin Park, Mincheol Kam, Jin-Hyung Im, Ji-Yong Gwark
Department of Orthopaedic Surgery, Gyeongsang National University Changwon Hospital, Changwon, South Korea
14:30 - 14:38
SCIENTIFIC PROGRAM

Thursday, September 14th

15:02 - 15:10
OP-34. What is the best surgical knot for high-strength suture material? A biomechanical study
Thorsten Jentzsch1, Elias Bachmann2, Alexandre Lädermann3, Georg Lajta4, Dominik C. Meyer4
1. Balgrist University Hospital, Zürich, Switzerland
2. The Balgrist, Zürich, Switzerland
3. La Tour Hospital, Meyrin, Switzerland
4. Private Hospital Maria Hill, Klagenfurt, Austria
15:10 - 15:18
OP-35. Feasibility of lower trapezius and rhomboid minor transfer for irreparable subscapularis tears: anatomic cadaveric study
Marco Cartaya1, Pablo Canales2, Gwenole Kermarrec1, Philippe Valenti1
1. Paris shoulder unit, Paris, France
2. Clínica Indisa, Santiago, Chile
15:18 - 15:26
OP-36. Metabolomic profiling of serum and capsular tissue from patients with adhesive capsulitis: a preliminary study
Hyo-Jin Lee, Yang-So Kim, Jong-Ho Kim, Gwang Young Sung, Dong-Jin Kim
Seoul St Mary hospital, Catholic University of Korea, Seoul, South Korea
15:26 - 15:34
OP-37. Neuroanatomical distribution of sensory receptors in the human elbow joint capsule
Erica Kholina1, Hyun Joo Lee2, Maria Florencia Deslivia3, Ga Yeong Kim4, In-Ho Jeon1
1. Upper Extremity Unit, Department of Orthopedic Surgery, St Carolus Hospital, Jakarta, Indonesia
2. Department of Orthopedic Surgery, Kyungpook National University Hospital, Daegu, South Korea
3. Korea Institute of Science and Technology, Seoul, South Korea
4. Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan, Seoul, South Korea
15:34 - 15:42
OP-38. Scapular morphology in patients with Hill-Sachs lesions using statistical shape modeling
Adam Matthijs Jaccsens1, Shireen Y Elhabian2, Robert Z Tashjian1, Heath B Henninger3
1. Department of Orthopaedics, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States
2. Scientific Computing and Imaging Institute, University of Utah, Salt Lake City, United States
3. Department of Orthopaedics and Department of Biomedical Engineering, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States

SCIENTIFIC SESSION 5

SHOULDER IN STABILITY

Moderators: Nicole Pouliart (Belgium) Andreas Werner (Germany)

ROOM POTSDAM · 16:30 - 18:00

16:30 - 16:38
OP-41. Long-term outcome of the arthroscopic Bankart procedure
Marianne Larsen Van Gastel1, Nienke W. Willigenburg1, Lea Dijksman2, Rob Lindeboom1, Micah Van Der Hulst1, Derek FP Van Deurzen2, Joap Willumsen1
1. OLVG, Amsterdam, Netherlands, The
2. St Antonius ziekenhuis, Nieuwegein, Netherlands, The
3. Academisch Medisch Centrum, Amsterdam, Netherlands, The
4. Shoulder and Elbow Unit, Lairesse Kliniek, Amsterdam, Netherlands, The
16:38 - 16:46
OP-42. Can the ISIS score be improved? a retrospective study of arthroscopic Bankart repair in patients over 30 years of age. Clinical and radiologic results at more than 10 years follow-up
Damien Delgrande1, Jean-David Werthe1, Grégoire Ciais1, Shahnaz Klouche2, Guillaume Lonjon2, Philippe Hardy3
1. Hôpital Ambroise Paré University of Paris Ile de France Ouest, Boulogne Billancourt, France
2. Hôpital Européen Georges Pompidou University of Paris Descartes, Boulogne Billancourt, France
**SCIENTIFIC PROGRAM**

**Thursday, September 14th**

16:46 - 16:54
OP-43. Clinical and radiological outcomes of open Latarjet procedure in patients older than 40 years
*Peter Domos*, Enricomaria Lunini*, Lionel Neyton*, Arnaud Godeneche*, Gilles Walch*
1. Northern General Hospital, Sheffield Teaching Hospitals NHS Trust, Sheffield, United Kingdom
2. Orthopaedic Unit, Hospital of Guastalla, Reggio Emilia, Italy
3. Centre Orthopedique Santy and Hôpital Privé Jean Mermoz, Lyon, France

16:54 - 17:02
OP-44. Analysis of complications after open coracoid transfer as revision surgery following arthroscopic soft tissue stabilization – 2 years follow up
*Christian Gerhardt*, Julia Wolke, Marvin Minkus, Hermann Diem Anh, Markus Scheibel
Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany

17:02 - 17:10
*Philippe Patrick Valenti*, Marco Cartaya, Jean David Worthel
Paris shoulder unit, Paris, France

17:10 - 17:18
OP-46. Arthroscopic Latarjet procedure: can a standardized technique decrease complications?
*Pascal Boileau*, Patrick Gendre, David Saliken, Brian Seeto, Thomas D'Ollonne, Olivier Gaudent, Jean-François Gonzalez
IULS - Hôpital Pasteur*
, Nice, France

17:18 - 17:26
OP-47. Arthroscopic Latarjet restores glenoid track and provides superior postoperative stability over arthroscopic Bankart in “off-track” unstable shoulders.
*Emilio Calvo*, Daniel Rojas, Diana Morcillo, Alba Jimenez, Alberto Masegosa, Javier Fernandez Jara, Maria Valencia
Hospital Fundación Jimenez Diaz, Madrid, Spain

17:26 - 17:34
*Philipp Moroder*, Fabian Plache*, Johannes Becker*, Eva Schulz*, Alexander Auffarth*, Herbert Resch*
1. Charité Universitaetsmedizin, Berlin, Germany
2. PMU, Salzburg, Austria

17:34 - 17:42
OP-49. Mid- to long-term results of arthroscopic glenoid reconstruction using an arthroscopic, autologous iliac crest bone grafting technique.
*Marvin Minkus*, Elisabeth Böhm, Natascha Kraus, Philipp Moroder, Markus Scheibel
Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany

17:42 - 17:50
OP-50. Outcomes of Latarjet versus distal tibia allograft for anterior shoulder instability repair: a prospective matched cohort analysis
1. RUSH University Medical Center, Chicago, United States
2. The Steadman Clinic, Vail, United States

17:50 - 17:58
OP-51. Management of recurrent posterior shoulder instability initially voluntary that became secondarily involuntary: a multicentric study of 37 patients
*Marie-Beatrice Hardy*, Arnaud Godenèche*, Pierre Mansat*, Pascal Boileau*, Olivier Gastaud*, Geoffroy Nourissat*, Jérôme Garret*
1. Clinique Mutualiste, Saint Etienne, France
2. Centre Orthopédique, Lyon, France
3. Centre Hospitalier Universitaire, Toulouse, France
4. Centre Hospitalier Universitaire, Nice, France
5. Clinique de Maussins, Paris, France
6. Clinique du Parc, Lyon, France

**SCIENTIFIC SESSION 6**

**ELBOW I (INSTABILITY & OTHERS)**

Moderators: Roberto Rotini (Italy)
Michael Geyer (Germany)

ROOM PAVILLON · 16:30 - 18:00

16:30 - 16:38
OP-52. Relevant anatomy of the lateral collateral ligament of the elbow. An anatomic study
*Davide Blonna*, Enrico Bellato*, Francesco Caranzano*, Filippo Castoldi*
1. Mauriziano-Umberto I Hospital, University of Turin Medical School, Turin, Italy
2. San Luigi Gonzaga Hospital, University of Turin Medical School, Turin, Italy
**Thursday, September 14th**

16:38 - 16:46  
**OP-53. Effect of capsule repair on rotational and varus stability in PLRI reconstruction**  
Mike Küntzer¹, Hansel E Ihn², Masaki Akeda², Michelle H McGarry², Matthias A Zumstein¹, Thay Q Lee²  
¹ Inselspital University Hospital Bern, Bern, Switzerland  
² VA Long Beach Healthcare System, Long Beach, United States

16:46 - 16:54  
**OP-54. Tennis elbow: a psychological condition?**  
Aurélie Aben¹, Nadine Hollevoet¹, Carlos Henriquez², Marc Vandewerdt², Koen Ponnet³, Lieven De Wilde¹, Alexander Van Tonge²  
¹ University Hospital Gent, Gent, Belgium  
² Fedris, Brussel, Belgium  
³ University Gent, Gent, Belgium

16:54 - 17:02  
**OP-55. Transcatheter arterial embolization of abnormal vessels as a treatment for lateral epicondylitis refractory to conservative treatment**  
Yuji Okuno¹, Wataru Iwamoto¹, Hiroyasu Ikegami²  
¹ Edogawa hospital, Tokyo, Japan  
² Toho University, Tokyo, Japan

17:02 - 17:10  
**OP-56. Two year follow results of arthroscopic lateral collateral ligament imbrication to treat posterolateral rotatory instability of the elbow**  
Neil Jarvis¹, Roger Van Riet²  
¹ Sint Augustinus Hospital, Wilrijk, Belgium  
² AZ Monica and University of Antwerp, Antwerp, Belgium

17:10 - 17:18  
**OP-57. The stiff but unstable elbow: midterm results after arthrolysis and ligament stabilization**  
Stephanie - Geyer¹, Christian - Schoch², Michael - Geyer²  
¹ St. Vinzenz Klinik Pfronten / Städtisches Klinikum Lüneburg, Pfronten/ Lüneburg, Germany  
² St. Vinzenz Klinik Pfronten, Pfronten, Germany

17:18 - 17:26  
**OP-58. Treatment of pediatric chronic posterior radial head dislocations**  
Dave R Shukla, Maegan Shields, Anthony Vaichinger, Andrew Assenmacher, James S Fitzsimmons, Shawn W O’Driscoll  
Mayo Clinic, Rochester, United States
## INSTRUCTIONAL COURSE LECTURE 4

**THE STIFF ELBOW**  
Chair: Stefan Greiner (Germany)  
**ROOM PAVILLON** · 07:30 - 08:45

- **07:30 - 07:45**  
  Posttraumatic stiffness - how to avoid and how to treat  
  Christian Gerhardt  
  Germany  
- **07:45 - 08:00**  
  Open treatment of the stiff elbow - indications and outcome  
  Alberto Schneeberger  
  Switzerland  
- **08:00 - 08:15**  
  Arthroscopic treatment of stiff elbow  
  Stefan Greiner  
  Germany  
- **08:15 - 08:30**  
  Nerve related complications in the treatment of the stiff elbow  
  Davide Blonna  
  Italy  
- **08:30 - 08:45**  
  Discussion

## INSTRUCTIONAL COURSE LECTURE 5

**CLINICAL EXAMINATION OF THE ROTATOR CUFF**  
Chair: Alexandre Lädermann (Switzerland)  
**ROOM CHARLOTTENBURG I-II** · 07:30 - 08:45

- **07:35 - 07:50**  
  Examination of the subscapularis  
  Johannes Barth  
  France  
- **07:50 - 08:05**  
  Examination of the supraspinatus  
  Anthony Romeo  
  USA  
- **08:05 - 08:20**  
  Examination of the infraspinatus  
  Alexandre Lädermann  
  Switzerland  
- **08:20 - 08:35**  
  Examination of the teres minor  
  Philippe Collin  
  France  
- **08:35 - 08:45**  
  Discussion

## INSTRUCTIONAL COURSE LECTURE 6

**SHOULDER ARTHROPLASTY REGISTRY – WHERE ARE WE NOW?**  
Chair: Bo Olsen (Denmark), Luc Favard (France)  
**ROOM BELLEVUE** · 07:30 - 08:45

- **07:30 - 07:38**  
  Danish Shoulder Arthroplasty Registry (DSR); Maintenance and how to optimize the data set in a national registry  
  Steen Lund Jensen  
  Denmark  
- **07:38 - 07:46**  
  Swedish Shoulder Arthroplasty Registry historic overview and international cooperation with focus on NARA (common data set) and SECEC registry committee  
  Björn Salomonsson  
  Sweden  
- **07:46 - 07:54**  
  Registry Data and treatment of arthrosis. Clinical impact.  
  Jeppe Rasmussen  
  Denmark  
- **07:54 - 08:04**  
  The Australian Shoulder Arthroplasty Registry. Registry data on revision surgery and treatment of the cuff deficient shoulder  
  Richard Page  
  Australia  
- **08:04 - 08:12**  
  British Shoulder Arthroplasty Registry. Development of a new national registry, creation of and presenting the dataset, securing immediate national impact and impact of registry data on the treatment of shoulder fractures  
  Jonathan Rees  
  UK  
- **08:12 - 08:20**  
  German Shoulder Arthroplasty Registry. Creating a national voluntary registry with a focus on a strong dataset. Strengths and weaknesses  
  Petra Magosch  
  Germany  
- **08:20 - 08:45**  
  Discussion
JSES SESSION 2

SHOULDER

Moderators: Frank Gohlke (Germany), Pierre Mansat (France)
ROOM TIERGARTEN · 07:30 - 08:45
In the focus of interest:
The most frequently cited European JSES papers
Shoulder arthroplasty in the young – anatomic or reverse design to prefer?

Christian Gerber (Switzerland)
Reverse total shoulder arthroplasty for massive irreparable rotator cuff tears in patients younger than 65 years old:
Results after five to fifteen years. (Cited by 65 papers)
Ek, E.T.H., Neukom, L., Catanzaro, S., Gerber, C.
Lars Lehmann (Germany)

EBM analysis
Patric Raiss (Germany)
Mid- to long-term follow-up of total shoulder arthroplasty using a keeled glenoid in young adults with primary glenohumeral arthritis.
(Cited by 42 papers)
Denard, P.J., Raiss, P., Sowa, B., Walch, G.
Lars Lehmann (Germany)

EBM analysis
Crossfire discussion:
Age limits and preferable design in younger patients
Case discussion with C. Gerber, P. Raiss and the audience using live poll

SCIENTIFIC SESSION 7

ROTATOR CUFF - II

Moderators: Ofer Levy (UK)
                    Dirk Boehm (Germany)
ROOM POTSDAM · 09:00 - 10:30

09:00 - 09:08
Miguel Angel Ruiz Itinán, Alejandro Lorente Gomez, Jorge Díaz Heredia, Raquel Ruiz Díaz, Roselyn Alvarez Sciamara
Hospital Universitario Ramón y Cajal, Madrid, Spain
09:48 - 09:56
OP-69. 2-Year results after implantation of the inspace balloon
Lukas Bauer, Alexandra Pokorny-Olsen, Dominik Meraner, Peter Buxbaumer, Ulrich Lanz, Christian Wurning
Orthopädisches Spital Wien-Speising, Orthopädische Abteilung, Vienna, Austria
SCIENTIFIC PROGRAM

Friday, September 15th

09:56 - 10:04
OP-70. Arthroscopic superior capsule reconstruction eliminates pseudoparalysis in patients with irreparable rotator cuff tears
Teruhisa Mihata1, Thay Q Lee2, Akihiko Hasegawa1, Takeshi Kawakami3, Kunimoto Fukunishi1, Yukienda Fujisawa1, Mutsumi Ohue1, Masashi Neo1
1. Osaka Medical College, Takatsuki, Japan
2. Orthopaedic Biomechanics Laboratory, Long Beach, United States
3. Takakai hospital, Takatsuki, Japan
4. Shimizu hospital, Kyoto, Japan
5. Yaenosato hospital, Higashi-Osaka, Japan
6. Katsuragi hospital, Kishiwada, Japan

10:04 - 10:12
OP-71. What is the best type of arthroscopic fixation technique for the latissimus dorsi transfer?
Jean Kany1, Jean David Wertheil2, Jean Grimberg3, Philippe Valenti2
1. Clinique de l'Union, Saint Jean, France
2. Bizet, Paris, France
3. LIRCOS, Paris, France
4. Mayo Clinic, Parisrochester, United States

10:12 - 10:20
OP-72. Latissimus dorsi transfer isolated versus combined with a partial cuff repair in massive
Felipe Reinares1, Marco Cartaya2, Jeandavid Wertheil2, Philippe Valenti2
1. Clinica Alemana, Santiago, Chile
2. Paris shoulder unit, Paris, France

10:20 - 10:28
OP-73. Isolated loss of active external rotation (ILER): A distinct entity and results of l’Episcopo tendon transfer
Pascal Bolleau1, Mohammed Baba2, Walter B Mcclelland2, Charles-Edward Thély2, Christophe Trojani2, Nicolas Bronsard2
1. IULS - Hôpital Pasteur2, Nice, France
2. Sydney Adventist Hospital, Sydney, Australia
3. Peachtree Orthopedics, Atlanta, United States
4. Polyclinique du Bois, Lille, France

10:56 - 11:04
OP-74. Arthroscopic reduction and fixation of radial head fracture: a reproducible surgical technique
Enrico Guerra, Alessandro Marinelli, Marco Cavallo, Graziano Bettelli, Alice Ritali, Michelle Flote, Roberto Rotini
Rizzoli Orthopaedic Institute, Bologna, Italy-Boulogne Billancourt, France

11:04 - 11:12
OP-75. Surgical revision of radial head fractures. A retrospective multi-center analysis of 466 cases
Michael Hackl, Kilian Wegmann, Lars Peter Müller
Uniklinik Köln, Köln, Germany

11:12 - 11:20
OP-76. Contact mechanics of anatomic radial head prosthesis: comparison with native radial head and anatomic radial head prosthesis in dynamic mode
Yucheng Sun, Arnold Adikrishna, Hanpyo Hong, Inho Jeon
1. Department of Orthopedic Surgery, Asan medical center, College of Medicine, University of Ulsan, Seoul, South Korea

11:20 - 11:28
OP-77. Triceps on, alignment off? A comparison of total elbow arthroplasty component positioning with a triceps preserving approach and a triceps split and reflecting approach.
Simon John Booker, Andrew King, William Thomas, Chris Smith
Royal Devon and Exeter Hospital, Exeter, United Kingdom

11:28 - 11:36
OP-78. Radial head arthroplasty: is stem size of matter to prevent loosening?
Pierre Laumonerie, Vadim Azoulay, Stéphane Delclaux, David Ancelin, Nicolas Bonneville, Pierre Mansat
University Hospital of Toulouse, Toulouse, France

11:36 - 11:44
OP-79. Stress-shielding around press-fit radial head prosthesis: comparative study between bipolar and anatomic monopolar implants
Giuseppe Giannicola, Marco Scacchi, Paolo Spinello
Sapienza University of Rome, Rome, Italy
09:48 - 09:56
OP-80. Clinical and radiographic outcome of revision surgery of radial head arthroplasty
Jetske Viveen, Izaak F Kodde, Koen Lm Koenraadt, Annechien Beumer, Bertram The, Denise Eygendaal
Amphia Hospital, Breda, Netherlands, The
09:56 - 10:04
OP-81. Parallel plating for distal humeral fractures – radiographic and clinical outcomes
Hanna Cecilia Björnsson Hallgren, Birgitta Svernlöv, Jens Nestorson, Lars Evert Adolfsson
Institution for Clinical and Experimental Medicine, Division of Orthopaedics Linköping, Linköping, Sweden
10:04 - 10:12
OP-82. Double-plating of comminuted proximal ulnar fractures: a retrospective multicenter study
Gauthier Menu, Etienne Boyer, Julien Boudard, Clément Menez, Sébastien El Rifai, François Loisel, Séverin Rochet, Antoine Adam, Daniel Lepage, Laurent Obert
Department of Orthopaedics, Trauma, Plastic Surgery, Reconstruction and Hand Clinic CHRU Jean Minjoz, Besançon, France
10:12 - 10:20
OP-83. Implant survival for elective elbow arthroplasty. A study from the Swedish elbow arthroplasty register
Hans Rahme1, Louise Hedenstedt2, Björn Salomonsson3
1. Aleris Elisabeth hospital, Uppsala, Sweden
2. Karolinska Institutet Danderyd Hospital, Stockholm, Sweden
10:20 - 10:28
OP-84. Can we reasonably suggest a total elbow prosthesis to patients below the age of 55?
Madhi Siala, Marine Arbouatot, Fanny Elia, Stéphanie Delclaix, Nicolas Bonneville, Pierre Mansat
University Hospital of Toulouse, Toulouse, France

COFFEE BREAK
10:30 - 11:00
11:32 - 11:40
OP-89. Periprosthetic bone remodeling after stemless shoulder arthroplasty using a finite element analysis and Spect/CT imaging
Alexander Berth1, Oliver Grosser2, Heiko Wisse2, Jürgen Rost3, Klaus Liefeith3, Christoph Lohmann4
1. Department of Orthopaedic Surgery, Otto-von-Guericke-University, Magdeburg, Germany
2. Department of Radiology and Nuclear Medicine Otto-von-Guericke-University, Magdeburg, Germany
3. Department of Radiology and Nuclear Medicine Otto-von-Guericke-University, Magdeburg, Germany
4. Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heiligenstadt, Germany
5. Department of Orthopaedic Surgery, Otto-von-Guericke-University, Magdeburg, Germany

11:40 - 11:48
OP-90. Long-term results of resurfacing shoulder arthroplasty in osteoarthritis: retrospective monocenter study of 100 cases
Julie Lebon, Fanny Elia, Amélie Faraud, Julien Toulemonde, Nicolas Bonnevialle, Pierre Mansat
University hospital of Toulouse, Toulouse, France

11:48 - 11:56
OP-91. High survival rates of anatomical total shoulder arthroplasty used for glenohumeral osteoarthritis
Jeppe V Rasmussen1, Steen L. Jensen1, Yilmaz Demir2, Randi Hole3, Trygve Mettler4, Björn Salomonsson5
1. Herlev university Hospital, Copenhagen, Denmark
2. Aalborg university Hospital, Aalborg, Denmark
3. Danderyds Sjukhus AB, Stockholm, Sweden
4. Haukeland University Hospital, Bergen, Norway

11:56 - 12:04
OP-92. Clinical and radiological results of fully uncemented glenoid component in total shoulder arthroplasty: a long-term follow up
Nader Davanzadeh, Alexander Van Tongel, Matthijs Jaksens, Lieven De Wilde
University Hospital, Gent, Belgium

12:04 - 12:12
OP-93. Impact of radiolucent glenoid lines on clinical outcomes in anatomical total shoulder arthroplasty
David Colling2, Curtis Noel3, Sean Grey4, Thomas Wright2, Joseph Zuckerman5, Pierre-Henri Flurin6, Chris Roche7
1. Arkansas Specialty Orthopedics, Little Rock, United States
2. Crystal Clinic, Akron, United States
3. Ortho Center of the Rockies, Fort Collins, United States
4. Univ of Florida, Gainesville, United States
5. Hospital for Joint Diseases, New York, United States
6. Bordeaux-Merignac Clinic, Bordeaux, France
7. Exactech, Inc, Gainesville, United States

12:12 - 12:20
OP-94. After total shoulder arthroplasty, is long term glenoid component loosening really worse with a B2 glenoid.
Godfrey Brais1, Simon Nicholas Bell2, Jennifer Coghan1
1. Melbourne Shoulder and Elbow Centre, Melbourne, Australia
2. Monash University, Melbourne, Australia

12:20 - 12:28
OP-95. Hemiarthroplasty Versus Total Shoulder Arthroplasty. A Retrospective Cohort Study
Meaghan D. Rollins1, Caleb Netting1, Carl Van Walraven2, Meltem Tun2, Anan Badar Eddeen3, Peter L C Lapner4
1. Division of Orthopedics, University of Ottawa, Ottawa, Canada
2. University of Ottawa, Ottawa Hospital Research Institute, Institute for Clinical Evaluative Sciences, Ottawa, Canada, Ottawa, Canada
3. Ottawa Hospital Research Institute, Institute for Clinical Evaluative Sciences, Ottawa, Canada, Ottawa, Canada
4. Division of Orthopedics, Ottawa Hospital Research Institute, The Ottawa Hospital, University of Ottawa, Ottawa, Canada

SCIENTIFIC SESSION 10
YOUNG FORUM SESSION
TIPS & TRICKS FOR YOUNG SURGEON
Moderators: Joanna Walecka (Poland) Roger Emery (UK)
ROOM PAVILLON · 11:00 - 12:30

11:00 - 11:12
Young Forum in SECEC - Who are we?
Joanna Walecka, Poland

11:12 - 11:24
Fellowships for residents in shoulder and elbow surgery in Europe
Joanna Walecka, Poland
11:24 - 11:36
Clinical examination of the shoulder - What is really mandatory?
Laurent Willemont, Belgium

11:36 - 11:48
How to proceed with imaging studies?
Juan Bruguera, Spain

11:48 - 12:00
What are the best functional scores in shoulder and elbow surgery?
Anna Krukenberg, Germany

12:00 - 12:12
Finite element analysis for basic science research
Ulrich Hansen, UK

12:12 - 12:24
Unsolved problems in shoulder surgery - ideas for future research
Luc Favard, France

LUNCH WORKSHOPS (INDUSTRY SPONSORED)

12.40 - 14.10
(Page 53)

NATIONAL SOCIETIES SESSION

NATIONAL SOCIETIES BEST PAPER PRIZE
Moderator: Anders Ekelund (Sweden)

ROOM POTSDAM - 14:15 - 15:15

14:15 - 14:20
Is anterior glenoid bone block position reliably assessed by standard radiography? A cadaver study
Clavert P.1, Koch G.1, Neyton L.2, Metais P.3, Barth J.4, Willemont G.5
Lafosse L.6 and French Arthroscopic Society
1. Institut d’anatomie normale, FMTS, faculté de médecine; Service de chirurgie du membre supérieur, CCOM, France
2. Centre orthopédique Santy, hôpital privé J.-Mermoz (Ramsay-GDS), Lyon, France
3. Clinique La Châtaigneraie, Beaumont, France
4. Centre ostéo-articulaire des Cèdres, Échirolles, France
5. Clinique générale d’Annecy, Annecy, France
6. Division of Trauma and Orthopaedic Surgery, University of British Columbia, Vancouver, Canada

14:20 - 14:25
Restoration of articular geometry using current graft options for large glenoid bone defects in anterior shoulder instability
Laurent B. Willemont1, Hossein Akbari-Shandiz, Joaquin Sanchez-Sotelo1, Kristin Zhao2, Olivier Verborgt2
1. Assisstive and Restorative Technology Lab, Mayo Clinic, Rochester, MN, USA
2. Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA

14:25 - 14:30
Augmentation with alginate-chitin scaffold and rhBMP-2 in a chronic rotator cuff rupture model
Yaiza López, Camilla Arvinius, Belen Rizo, Carlos García-Fernández, Fernando Marco
Department of Orthopedic and Traumatology, Shoulder and Elbow Unit, Clinico San Carlos Hospital, Complutense University, Madrid, Spain

14:30 - 14:35
Efficacy of bone marrow-stimulating technique in rotator cuff repair
Kerem Bilsel1, M.D, FEBOT, Assoc. Prof; Fatih Yildiz2, M.D., Assist Prof; Mehmet Kapiociglu1, M.D; Gokcer Uzer2, M.D., Assist Prof; Mehmet Elmadag1, M.D; Anıl Pulatkan1, M.D, Mukaddes Esrefoglu3, M.D, Prof; Ergun Bozdag4, Ph.D; Giuseppe Milano4, MD, Assoc. Prof
1. Department of Orthopedics and Traumatology, Bezmialem Vakif University School of Medicine, Vatan Cd, Fatih, Istanbul, Turkey.
2. Department of Histology, Bezmialem Vakif University School of Medicine, Vatan Cd, Fatih, Istanbul, Turkey.
3. Biomechanics Laboratory, Department of Mechanical Engineering, Istanbul Technical University, Gumusuyu Cd, Istanbul, Turkey.
4. Department of Orthopedics and Traumatology, Catholic University, Rome, Italy

14:35 - 14:40
Injury mechanisms in acute shoulder injuries and rotator cuff tears in a general population
Martine Enger1, Stein Arve Skjaker1, Knut Melhuus1, Lars Nordsletten2, Are Hugo Pripp3, Stefan Moosmayer4, Jens Ivar Brox5
1. Section for Orthopaedic Emergency, Orthopaedic Department, Oslo University Hospital.
2. Orthopaedic Department, Oslo University Hospital.
3. Oslo Centre of Biostatistics and Epidemiology, Research Support Services, Oslo University Hospital.
4. Department of Orthopaedic Surgery, Martina Hansens Hospital.
5. Department of Physical Medicine and Rehabilitation Oslo University Hospital.

14:40 - 14:45
Coracoid tunnels in open and arthroscopic treatment of acromioclavicular dislocation: a cadaveric study and a systematic review of the literature
M. Calò1, L. Barberis2, G. P. Vasario2, S. Mancroco2, F. Castoldi2
1. Ospedale San Luigi Gonzaga, Orbassano, Italy
2. Città della salute e della scienza, Torino, Italy
14:45 - 14:50
Revisions of shoulder arthroscopies reveal indication-associated rates of low-grade infections
Stephan Pauly, Christian Gerhardt, Andrej Trampuz, Markus Scheibel
Center for Musculoskeletal Surgery, Charité-Universitätsmedizin Berlin, Germany
14:50 - 14:55
Comparative study of total shoulder arthroplasty versus total shoulder surface replacement for glenohumeral osteoarthritis with minimum 2-year follow-up.
Kooistra BW, Willems WJ, Lemmens E, Hartel BP, van den Bekerom MP, van Deurzen DF
Department of Orthopaedic Surgery, Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands
14:55 - 15:00
Patient Specific Guide in Reverse Shoulder Arthroplasty - what does it change?
Tânia Freitas¹, Guilherme França¹, Nuno Oliveira¹, Carlos Mateus¹, Manuel Vieira da Silva¹,², Nuno Ferreira¹, Nuno Sevivas²
¹Orthopaedics Department, Hospital de Braga, Braga, Portugal
²Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, Campus de Gualtar, Braga, Portugal.
¹ICVS/3B’s - PT Government Associate Laboratory, Braga / Guimarães, Portugal
15:00 - 15:05
Accelerated rehabilitation protocol following reverse total shoulder arthroplasty. A new concept
E Fawzy, P Consigliere, J Lee, C Whitney-Lagen, L Natera, J Brugueira, G Sforza, E Atoun, O Levy
Reading Shoulder Unit, Royal Berkshire and Berkshire Independent Hospitals, Reading, UK
15:05 - 15:10
Risk of revision caused by periprosthetic infection after shoulder arthroplasty: 6,877 primary arthroplasties from the Danish Shoulder Arthroplasty Registry
Jeppe Vejlgaard Rasmussen, Sáhar Moeini, Stig Brorson, Anna Kathrine Sørensen, Bo Sanderhoff Olsen
Department of Orthopedics Section for Shoulder and Elbow Surgery, Herlev Hospital, University of Copenhagen Denmark
15:10 - 15:15
Shoulder arthropathy secondary to syringomyelia – systematic review and case series
Wawrzyniak A., Lubiatowski P., Romanowski L.
Department of Traumatology, Orthopaedics and Hand Surgery, Poznań University of Medical Science.Rehasport Clinic, Poznań, Poland
INSTRUCTIONAL COURSE LECTURE 7

CHALLENGES IN SHOULDER ARTHROPLASTY
Chair: Anders Ekelund (Sweden)
ROOM PAVILLON · 07:30 - 08:45

07:30 - 07:40
The infected arthroplasty
Ludwig Seebauer
Germany

07:40 - 07:50
Anatomical or reverse arthroplasty in osteoarthritis - practical approach for preoperative evaluation
Ofer Levy
UK

07:50 - 08:00
Surgical technique for reverse arthroplasty in acute proximal humeral fractures
François Sirveaux
France

08:00 - 08:10
Bone grafting techniques of the glenoid
Anders Ekelund
Sweden

08:10 - 08:20
How to remove a well fixed humeral component
Lieven de Wilde
Belgium

08:20 - 08:45
Discussion

INSTRUCTIONAL COURSE LECTURE 8

RADIOHUMERAL OSTEOARTHRITIS
Chair: Adam Watts (UK)
ROOM CHARLOTTENBURG I-II · 07:30 - 08:45

07:30 - 07:40
Cartilage debridement and Pridie techniques
Adam Watts
UK

07:40 - 07:50
Shortening osteotomy
Lars Peter Mueller
Germany

07:50 - 08:00
Interposition arthroplasty
Antonio Foruria De Diego
Spain

08:00 - 08:10
Arthroscopic radial head resection
Raul Barco
Spain

08:10 - 08:20
Radiohumeral arthroplasty
Roger van Riet
Belgium

08:20 - 08:45
Discussion

INSTRUCTIONAL COURSE LECTURE 9

MANAGEMENT OF COMPLICATIONS IN SHOULDER AND ELBOW SURGERY
Chair: Bernhard Jost (Switzerland)
ROOM BELLEVUE · 07:30 - 08:45

07:35 - 07:49
Arthroscopic rotator cuff repair
Mehmet Demirhan
Turkey

07:49 - 08:03
Proximal humerus fractures
Uli Brunner
Germany

08:03 - 08:17
Reverse total shoulder arthroplasty
Christian Gerber
Switzerland

08:17 - 08:31
Acute and chronic elbow instability
Pierre Mansat
France

08:31 - 08:45
Distal humerus fractures
Franz Kralinger
Austria

* 2 minutes after each talk
SCIENTIFIC PROGRAM

Saturday, September 16th

REVERSE SHOULDER ARTHROPLASTY-I

Moderators: Carlos Torrens (Spain), Falk Reuther (Germany)

ROOM POTSDAM · 09:00 - 10:30

09:00 - 09:08
OP-107. Effect of humeral and glenoid combination on range of motion in reverse shoulder arthroplasty
Pierpix Deransart¹, Gilles Walch¹, Alain Farron², Alexandre Lädermann²
¹ IMASCAP, Brest, France
² CHUV, Lausanne, Switzerland

09:08 - 09:16
OP-108. Can a functional difference be detected in reverse arthroplasty with 135° vs. 155° prosthesis for the treatment of rotator cuff arthropathy: a prospective randomized study
Yousef Shishani¹, Evan Lederman², Patrick Denard³, Reuben Gobeizie¹
¹ The Cleveland Shoulder Institute, Cleveland, United States
² The Orthopedic Clinic Association, University of Arizona, College of Medicine, Phoenix, United States
³ Southern Oregon Orthopedics, Medford, United States

09:16 - 09:24
OP-109. Does the glenosphere size influences mid to long terms clinical results of reversed shoulder arthroplasties - 36 and 42 glenospheres
Philippe Clavert¹, Agathe Kling¹, François Sirveaux², Luc Favard³, Gilles Walch³
¹ Shoulder and Elbow Service - University Hospital Strasbourg, Strasbourg, France
² Shoulder and Elbow Service, Nancy, France
³ Shoulder and Elbow Service, Tours, France

09:24 - 09:32
OP-110. Correlation between the humeral component retroversion and the internal rotation in reverse shoulder arthroplasty
Christina - Garving, Ulrich - Bechler, Ulrich H Brunner
Krankenhaus Agatharied, Hausham, Germany

09:32 - 09:40
OP-111. Not repairing the subscapularis in reverse shoulder arthroplasty does not change the final outcome: a prospective controlled study.
Sabri Dilmı¹, Stefano Tognoni², Renato Salvador², Diego Carniel², Roberto Ferrante³, Francesco Bisco³, Camobocco Domenico³, Oreste Arduin³, Camille Saffaye³, Paolo Piovan³
¹ Department of Orthopaedic Surgery, Casa di Cura Porto Viro, Italy, Porto Viro, Italy
² Department of Surgery, School of Medicine, University of Padua, Italy, Padova, Italy

09:40 - 09:48
OP-112. Long-term results of reverse total shoulder arthroplasty for massive irreparable rotator cuff tears in patients younger than 60 years
Lukas Embratenn, Aline Suter, Sabrina Catanzaro, Stefan Rahm, Christian Gerber
Balgrist University Hospital, Zurich, Switzerland

09:48 - 09:56
OP-113. Long term results after reverse shoulder arthroplasty: glenoid notch or glenoid osteolysis?
Stéphane Jullien¹, Adrien Jacquot¹, Thomas Goetzmann², François Sirveaux³, Pascal Boileau³, Daniel Molé³
¹ Centre Chirurgical Emile Gaill, Nancy, France
² Hôpital Pasteur³, Nice, France

09:56 - 10:04
OP-114. Survivorship analysis of 1953 reverse shoulder arthroplasties (RSA) followed for five to twenty-two years: predictive factors of revision.
Luc Favard¹, Julien Berhouet¹, Mikael Chelli³, Pascal Boileau³, Gilles Walch³
¹ CHU Tours, Tours Cedex, France
² CHU Amiens, Amiens, France
³ CHU Nice, Nice, France

10:04 - 10:12
OP-115. Resurfacing hemiarthroplasty versus reverse shoulder arthroplasty in treatment of cuff tear arthropathy - a matched-pair analysis
Mette Ammitzbøll, Amin Baram, Jeppe Vejlgaard Rasmussen, Bo Sanderhoff Olsen
Herlev Hospital, Copenhagen, Denmark

10:12 - 10:20
OP-116. BIO-RSA with allograft bone grafting of the glenoid surface, with a minimum follow-up of 5 years
Tiarc D W Alfa¹, Nicolas Morin-Salvo², Charles Bessière², Pascal Boileau²
¹ Spaarne Gasthuis, Hoofddorp, Netherlands, The
² IULS - Hôpital Pasteur², Nice, France

10:20 - 10:28
OP-117. Mid-term results of metallic lateralization in reverse shoulder arthroplasty.
Jean-David Raphael Werthel¹, Ali Maqdesi², Philippe Valenti²
¹ Hôpital Ambrousse Paré, Boulogne-Billancourt, France
² Al Razi Orthopaedic Hospital, Kuwait City, Kuwait
³ Kuwait City, Paris, France
Saturday, September 16th

AWARD SESSION

Moderator: Juan Bruguera (Spain)
ROOM POTS DAM · 11:00 - 11:50

Introduction of the US fellows (Grant Garrigues, Anshuman Singh)
Philippe Collin, France

Introduction of the fellows
Philippe Collin, France

Travel report 2016 Europe/Asia travelling fellows
Tjarco Alta, The Netherlands, Alexander Van Tongel, Belgium
Travel report 2017 Intra European travelling fellows
Joanna Walecka, Poland, Abbas Rashid, UK

Best poster prize
Chairman: Philippe Collin (France)

Presentation of the 5 best posters (2 min)
1. The incidence of propionibacterium acnes in shoulder surgery
Yukihiro N/A Kajita¹, Yusuke N/A Iwahori², Ryusuke N/A Takahashi²
¹ Ichinomiyanishi hospital, Ichinomiya, Japan
² Aichimedical university, Nagakute, Japan

2. Effect of neuromuscular control on the shoulder function after rotator cuff repair – availability of time to peak torque and acceleration time
Jisoon Park¹, Jin Hyuck Lee², Woong Kyo Jeong²
¹ Sheikh Khalifa Specialty Hospital, Ras Al Kaimah, United Arab Emirates
² Korea University Anam Hospital, Seoul, South Korea

3. Mechanoreceptors distribution in the human medial collateral ligament of the elbow
Erica Kholinne¹, Hyun Joo Lee², Maria Florencia Deslivia³, Ga Yeong Kim⁴, In-Ho Jeon⁴
¹ Upper Extremity Unit, Department of Orthopedic Surgery, St. Caro- lus Hospital, Jakarta, Indonesia
² Department of Orthopedic Surgery, Kyungpook National University Hospital, Daegu, South Korea
³ Korea Institute of Science and Technology, Seoul, South Korea
⁴ Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan, Seoul, South Korea

4. Open biceps tenodesis: a biomechanical comparison of six fixation techniques
Miguel Enrique Diaz, Brendan Shi, Matthew Baker, Stephen Belkoff, Uma Srikumaran
Johns Hopkins University School of Medicine, Baltimore, United States

5. Clinical outcomes of arthroscopic stabilization for recurrent anterior shoulder instability with glenoid bone loss: arthroscopic bankart repair alone versus the augmentation with bone graft
Norishige Iizawa¹, Minoru Yoneda¹, Shinichi Yamada¹, Naoko Mizuno¹, Kazuki Goto¹, Satoshi Iwashita¹, Shinro Takai¹
¹ Nippon Medical School, Tokyo, Japan
² Hoshigaoka Medical Center, Osaka, Japan
³ Toyonaka Municipal Hospital, Osaka, Japan
⁴ Japan Community Health care Organization on Osaka Hospital, Osaka, Japan

Announce of the winner

- Video Prize
Chairman: Philippe Collin (France)
Announce of the winner

- Best Paper Prize
Chairman: Nicole Pouliart (Belgium)
Announce of the winner

- Research grant
Chairman: Nicole Pouliart (Belgium)
Announce of the winner

- Didier Patte Prize
Chairman: Nicole Pouliart (Belgium)
Announce of the winner

- National Societies’ Best Paper Prize
Chairman: Anders Ekelund (Sweden)
Announce of the winner

INVITED SOCIETIES SESSION

GERMAN SOCIETIES DVSE AND AGA
Moderators: Matthias Flury (Switzerland)
Markus Scheibel (Germany)
ROOM POTS DAM · 12:00 - 12:50

German Shoulder and Elbow Society (DVSE)

Society of Arthroscopy and Joint Surgery (AGA)

The value of multicenter studies (MCS) in the German speaking societies
Dirk Maier, Germany
SCIENTIFIC PROGRAM
Saturday, September 16th

DVSE - MCS
Acute Rockwood type III injuries – surgical vs non-operative management
Mark Tauber, Germany
First-time anterior shoulder dislocation – immobilization vs arthroscopic stabilization
Marvin Minkus, Germany

AGA - MCS
Clinical and structural results after arthroscopic revision after failed primary rotator cuff repair
Eddi Gues, Switzerland
Arthroscopic reconstruction of bony avulsions of the rotator cuff
David Krüger, Germany

LUNCH BREAK
EXHIBITION AREA · 12.50 - 13.40

SCIENTIFIC SESSION 12
REVERSE SHOULDER ARTHROPLASTY-II
Moderators: Alain Farron (Switzerland)  Philip Kasten (Germany)
ROOM POTSDAM · 13:40 - 14:20

14:04 - 14:12
OP-123. Reconstruction of the proximal humerus with massive allograft and reverse shoulder arthroplasty
Jean-Luc Raynier1, Patrick Gendre2, Yves Bouju2, Olivier Gastaude3, Thomas D’Ollonne1, Christophe Troiani2, Luc Favard2, Pascal Boileau1
1 IULS - Hôpital Pasteur 2, Nice, France
2 Institut Main Atlantique, Nantes, France
3 Hôpital Trousseau, Tours, France

14:12 - 14:20
OP-124. Outcomes of endoprosthetic replacement for massive proximal humeral bone deficiency
Mohamed S. Galhoum1, Simon P Frostick2, Amanda Wood2
1 Orthopedic Surgery Department, Royal Liverpool and Broadgreen University Hospital NHS Trust, Liverpool, United Kingdom
2 Musculoskeletal Science Research Group, Department of Molecular and Clinical Cancer Medicine, Institute of Translational Medicine, Faculty of Health and Life Sciences, University of Liverpool, UK, Liverpool, United Kingdom

SCIENTIFIC SESSION 13
MISCELLANEOUS - II
Moderators: Cecilie Piene Schroeder (Norway)  Lars-Johannes Lehmann (Germany)
ROOM POTSDAM · 14:30 - 15:20

14:30 - 14:38
OP-125. No association between Propionibacterium acnes and frozen shoulder; shoulder injections increase likelihood of shoulder capsule colonisation
Simon John Booker, Matthew Boyd, Sian Gallagher, Jonathan P Evans, Cressida Auckland, Jeffrey Kitson, William Thomas, Chris Smith
Royal Devon and Exeter Hospital, Exeter, United Kingdom

14:38 - 14:46
OP-126. Propionibacterium acnes in primary reverse shoulder arthroplasty. From skin to deep layers.
Carlos Terrens, Raquel Mari, Albert Aller, Luis Puig, Fernando Santana Santana
Hospital del Mar, Barcelona, Spain
14:46 - 14:54
OP-127. Cefazolin is superior to cefonicid for antibiotic prophylaxis in shoulder surgery
Kazum Efraim1, Ofir Chechik1, Ronen Ben-Am1, Oleg Dolkart1, Yariv Goldstein1, Dani Rotman1, Eran Maman1
1. Shoulder Unit, Orthopedic Surgery Division, Tel-Aviv Medical Center, Tel Aviv, Israel
2. Infectious Diseases Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

14:54 - 15:02
OP-128. Interest of the glenoid hull method for analyzing humeral subluxation in primary glenohumeral osteoarthritis
Soufyane Bouacida1, Cyril Lazerges1, Michel Chammas1, Bertrand Coulet1
CHU Lapeyronie, Montpellier, France

15:02 - 15:10
OP-129. Glenoid bone deficiency in anatomic total shoulder arthroplasty – clinical impact of a new treatment-based classification system
Birgit S Werner1, Inken Wiese1, Robert Hudek1, Frank Gohlke1
Rhön Klinikum AG, Bad Neustadt, Germany

15:10 - 15:18
OP-130. A novel shoulder disability staging system for scapulothoracic arthropathy in patients with facioscapulohumeral dystrophy
Ilker Eren1, Olgar Birsel1, Özgür Öztop Çakmak1, Ayça Aslanger1, Mehmet Demirhan1, Piraye Oflazer1, Yasemin Gürsoy Özdemir2, Hülya Kaysenli2, Serpil Eraslan2
1. Koc University, School of Medicine, Department of Orthopaedics and Traumatology, Istanbul, Turkey
2. Koc University, School of Medicine, Department of Neurology, Istanbul, Turkey
3. Koc University, School of Medicine, Department of Medical Genetics, Istanbul, Turkey
4. Memorial Hospital, Department of Neurology, Istanbul, Turkey
5. Koc University, School of Medicine, Department of Molecular Genetics, Istanbul, Turkey

15:20 - 15:28
OP-131. The “fishmouth” long head of the biceps biological tenodesis without implant.
Juan Bruguera1, Luis Gerardo Natera1, Luigi Piscitelli2, Paolo Consiglieri2, Caroline Witney-Lagen3, Ofer Levy3
1. Reading Shoulder Unit, Reading, Berkshire, United Kingdom
2. Hospital Santa Maria della Misericordia, Perugia, Italy

15:28 - 15:36
OP-132. Acromioplasty planification: a randomized prospective study
Caecilia Charbonnier1, Frank C Kolo2, Alexandre Lädermann3
1. Artanim, Meyrin, Switzerland
2. Rive Droite Radiology Center, Meyringeneva, Switzerland
3. La Tour Hospital, Meyrin, Switzerland

15:36 - 15:44
OP-133. A Shortcut to arthroscopic suprascapular nerve decompression at the suprascapular notch: new arthroscopic landmarks and surgical technique
Hatem Galal Said1, Ayman Farouk Abdelkawi1, Tarek Nabil Fetih1, Ahmed Wahid Kandi2
1. Orthopedic Department, Assiut University Hospital, Assiut, Egypt
2. Orthopedic Department, Alexandria University Hospital, Alexandria, Egypt

15:52 - 16:00
OP-135. Double nerve transfer for the reanimation of isolated deltoide palsies.
Thibault Lafosse1, Thibault Gerosa1, Malo Lehanneur1, Emmanuel Maumejean1, Jerome Pierrat1, Arnaud Walch1
European Hospital Georges Pompidou, Paris, France
16:00 - 16:08
OP-136. Osteotomy of ulna and humerus with preservation of triceps tendon for revision of total elbow arthroplasty
Christophe Spormann
Endoclinic Klinik Hirslanden, Zürich, Switzerland

14:00 - 14:07
OP-137. Sensomotoric deficits following shoulder surgery
Knut Beitzel1, Stefan Buchmann1, Robin Köhler1, Fabian Stöcker2, Andreas B Imhoff2, Sven Reuter2
1. Department of Orthopaedic Sportsmedicine, TU Munich, Munich, Germany
2. OFZ Weilheim, Weilheim, Germany

14:07 - 14:14
OP-138. Early mobilization after rotator cuff repair, does it really matter?
Morvan Haddad1, Galiit Daniel-Lavee1, Wassim Mshiel2, Yaniv Keren3, Yaron Berkovich3
1. Galilee Medical Center, Naharia, Israel
2. Rambam Medical CAMPUS, Haifa, Israel

14:14 - 14:21
OP-139. How does shoulder immobilization influence daily physical activity – an accelerometer based study
Dennis Liem, Monika Grabowski, Georg Gosheger, Kristian Schneider, Sebastian Klingebiel, Dominik Schorn, Carolin Rickert
University Hospital Muenster, Münster, Germany

14:28 - 14:35
OP-141. Preoperative factors influence the recovery of forward flexion following reverse shoulder arthroplasty
Solenn Gain, Philippe Collin
CHP Saint Grégoire, Saint Grégoire, France

SCIENTIFIC PROGRAM
Saturday, September 16th

14:35 - 14:42
OP-143. Development and use of a tool for quantifying physiotherapy treatment of subacromial impingement syndrome / rotator cuff tendinopathy (SIS/RCT) patients
Michael J Smith1, Robert Goldsmith2, Anne Wilkes2, Timothy Matthews2
1. Cardiff University, Cardiff, United Kingdom
2. Cardiff and Vale University Health Board, Cardiff, United Kingdom

14:42 - 14:49
OP-144. The efficacy of cryotherapy for dysfunctions primarily developed from the musculo skeletal system – a systematic review
Ingrid Hultenheim Klintberg
Institute of Neuroscience and Physiology, Department of Health and Rehabilitation, Unit of Physiotherapy, Lerum, Sweden

14:49 - 15:07
OP-145. Changes in the scapular kinematics in reverse shoulder arthroplasty: a pilot study
Taha Ibrahim Yildiz, Gazi Huri, Burak Ulusoy, Leyla Eraslan, Serdar Demirci, Dilara Kara, Elif Turgut, Egemen Turgan, Irem Düzgün, Mahmut Nedim Doral
Institution of Health Sciences, Ankara, Turkey

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**SCIENTIFIC PROGRAM**

**Saturday, September 16th**

15:07 - 15:14  
**OP-147. The acute effect of kinesiotaping in surgically repaired shoulders with history of anterior instability: a three-dimensional motion analysis**  
Elif Turgut, Gazi Huri, Taha I Yildiz, Egenem Turhan, Leyla S Eraslan, Serdar Demirci, Irem Düügün, Mahmut N Doral  
Hacettepe University, Ankara, Turkey

15:14 - 15:21  
**OP-148. New dynamic brace and targeted fast rehab protocol for soccer players with in season gleno humeral anterior dislocation**  
Marco Conti, Raffaele Garofalo, Enrico Ceccarelli, Alessandro Castagnani  
1. MedSport, Varese, Italy  
2. Miulli Hospital, Bari, Italy  
3. Villa Stuart, Roma, Italy  
4. Humanitas, Milano, Italy

15:21 - 15:28  
**OP-149. Impact of multidisciplinary rehabilitation on the socioeconomic burden of shoulder instability – a prospective study.**  
Tania Louise Douglas, Elaine Cobb, Anthony Gilbert, Anju Jaggi  
Royal National Orthopaedic Hospital, Stanmore, United Kingdom

15:28 - 15:35  
**OP-150. The Scapular Dyskinesis Test: Is it reliable and valid?**  
Michael J Smith, Robert Goldsmith, Kevin Nicholas, Samantha Owen  
1. Cardiff University, Cardiff, United Kingdom  
2. Cardiff & Vale University Health Board, Cardiff, United Kingdom

15:35 - 15:42  
**OP-151. Influence of selected factors on shoulder proprioception among handball players**  
Piotr Krzysztof Kaczmarek, Przemyslaw Lubiatowski, Pawel Cisowski, Witold Dudzinski, Leszek Romanowski  
1. Rehasport Clinic, Poznan, Poland  
2. Rehasport Clinic; Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland  
3. Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland

15:42 - 15:49  
**OP-152. Inferior shoulder joint position sense in junior handball players**  
Hilde - Fredriksen, Piotr Krzysztof Kaczmarek, Przemyslaw Lubiatowski, Pawel Cisowski, Witold Dudzinski, Leszek Romanowski  
1. Rehasport Clinic, Poznan, Poland  
2. Rehasport Clinic; Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland  
3. Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland

15:49 - 15:56  
**OP-153. Kinematics and electromyographic analysis of shoulder girdle in professional archery. A prospective laboratory study**  
Elisa De Santis, Ilaria Parel, Fabio Dellabianca, Giuseppe Porcellini, Giovanni Merolla  
Biomechanics Laboratory, D. Cervesi Hospital, Cattolica, Italy

**CLOSING REMARKS**

**ROOM POTSDAM - 16:15**
30th
ANNIVERSARY
1987 - 2017
SCIENTIFIC SESSION
EUSSER DAY
SCIENTIFIC SESSIONS - EUSSER DAY

Friday, September 15

**WELCOME SPEECH**

ROOM PAVILLON · 14:15

Marco Conti – EUSSER President
Markus Scheibel – SECEC Congress President

**KEYNOTE SESSION**

SPORTING SHOULDER AND ELBOW INJURIES

Moderators: Marco Conti (Italy) & Milena Mirkovic (UK)

ROOM PAVILLON · 14:20 - 15:45

14.20-14:35 h  
Shoulder pacemaker for functional shoulder instability  
Philipp Moroder, Germany

14.35-14.50 h  
Hypermobile shoulders in sport  
Anju Jaggi, UK

14.50-15.05 h  
Dyskinetic scapula in sport  
Susanne Gard, Switzerland

15.05-15.20 h  
The kinetic chain and its effect on shoulder injuries  
Ian Horsley, UK

15:20-15.45 h  
Q+A/Panel discussion

**COFFEE BREAK**

15:45 - 16:15

**KEYNOTE SESSION**

SHOULDER INJURIES IN SPORT – CONSIDERATIONS FOR REHABILITATION

Moderators: Suzanne Gard (Switzerland) & Philipp Moroder (Germany)

ROOM PAVILLON · 16:15 - 17:45

16:15-16.30 h  
Shoulder injuries in tennis  
Milena Mirkovic, UK

16.30-16.45 h  
Shoulder injuries in rugby/boxing  
Ian Horsley, UK

16.45-17:00 h  
Shoulder injuries in gymnastics  
Philippe Oddoux, France

17:00-17.15 h  
Elbow injuries in handball and volleyball  
Jelle Heisen, Netherlands

17.15-17.45 h  
Q+A/Panel discussion

**EUSSER GENERAL ASSEMBLY**

ROOM PAVILLON · 17:45 - 18:45
CONJOINT SESSION SECEC - EUSSER

KEYNOTE SESSION

RETURN TO PLAY FOLLOWING SHOULDER AND ELBOW INJURIES - PART 1
Moderators: Anju Jaggy (UK) & Peter Brownson (UK)
ROOM PAVILLON · 09:00 - 10:30

09.00 h
Introduction
09.05-09.15 h
Shoulder “reconstruction” in goal keepers
Alessandro Castagna, Italy
09.15-09.30 h
Return to goal keeping following shoulder reconstruction
Ben Ashworth, UK
09.30-09.45 h
Questions and Answers

09.45-09.55 h
Rotator cuff repairs and return to sports in gymnasts
Markus Scheibel, Germany
09.55-10.10 h
Rehabilitation of rotator cuff tendinopathy in tennis players
Milena Mirkovic, UK
10.10-10.25 h
Q+A/Panel discussion

COFFEE BREAK
10:30 - 11:00

RETURN TO PLAY FOLLOWING SHOULDER AND ELBOW INJURIES - PART 2
Moderators: Yasmains Karel (Netherlands) & Marco Conti (Italy)
ROOM PAVILLON · 11:00 - 13:00

11.00-11.10 h
Surgical options for AC joint sprains in contact sports
Raffaele Garofalo, Italy
11.10-11.25 h
Return to play following AC joint sprain/s
Mauch Frieder, Germany
11.25-11.40 h
Questions and Answers
11.40-11.55 h
Elbow MCL reconstruction in throwing athlete
Christian Gerhardt, Germany
11.55-12.10 h
Return to sport following elbow MCL reconstruction
Andre Le Leu, UK
12.10-12.25 h
Q+A/Panel discussion
12.25-12.35 h
SLAP repair in overhead athletes
Peter Brownson, UK
12.35-12.50 h
Return to handball following SLAP repair
Ewa Heidvall, Sweden
12.50-13.00 h
Q+A/Panel discussion

LUNCH BREAK
EXHIBITION AREA · 13:00 - 14:00

PAPER PRESENTATIONS 1

SCIENTIFIC SESSION 15 · REHABILITATION I
Moderators: Ingrid Hultenheim Klintberg (Sweden) & Yasmains Karel (Netherlands)
ROOM PAVILLON · 14:00 - 15:00
(Page 46)
SCIENTIFIC SESSIONS - EUSSER DAY

Saturday, September 16th

PAPER PRESENTATIONS 2

SCIENTIFIC SESSION 16 - REHABILITATION II
Moderators: Andre Le Leu (UK) & Dick Egmond (Germany)
ROOM PAVILLON · 15:00 - 16:00
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WORKSHOPS

ROOM PAVILLON · 16:00 - 18:00

16.00-17.00
A1 - Upper limb screening tests for return to play
Ian Horsley, UK
A2 - Exercise progression for RTP in overhead athletes
Susanne Gard, Switzerland

17.00-18.00
B1 - Manual therapy for elbow rehabilitation in sport
Jelle Heisen, Netherlands
B2 - Assessment and rehabilitation principles for the rotator cuff
Anju Jaggi, UK
## Lunch Workshops (Industry Sponsored)

### Thursday, September 14th

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<th>TEGEL</th>
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<td>Arthroplasty Symposium / BLUEPRINT™ for Reversed Configuration <em>All-inclusive</em></td>
<td>Zimmer Biomet Institute</td>
<td>ConMed</td>
<td>Current concepts in the Arthroscopic treatment of rotator cuff tears</td>
<td>Smith &amp; Nephew</td>
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### Friday, September 15th

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<tr>
<td>Arthroplasty Symposium &amp; Workshop / How to treat complex glenoid cases?</td>
<td>Superior Capsular Reconstruction</td>
<td>The latest developments in shoulder instability</td>
<td>How Trabecular Titanium has improved our clinical practice</td>
<td>Clinical results and surgical pearls: A decade of experience with RSA inverted material bearings and stemless arthroplasty</td>
<td>Cementless glenoid component: new design and long term FU</td>
</tr>
</tbody>
</table>

### Special Sessions

- **OrthoSpace**
- **DePuy Synthes**
- **DJO Global**

**OrthoSpace**
- InSpace – Balloon Spacer for Massive Rotator Cuff Tear Over 10000 Patients Treated
- From Reverse to Fast forward… Moving through the Gears with DJO

**DePuy Synthes**
- State of the art of anatomic shoulder arthroplasty - Modular vs Stemless
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

Exhibition Area

Room Tegel
Room Bellevue
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

**CHARLOTTENBURG I - II - III**

**TIERGARTEN I - II - III**

**KOPENICK I - II - III**

**SCHONEBERG**
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

Thursday, September 14th
12.55-14.25 h

BELLEVUE

ARTHROPLASTY SYMPOSIUM / BLUEPRINT™ FOR REVERSED CONFIGURATION “ALL-INCLUSIVE”

Invited Faculty
Pascal Boileau, France
Birgit Werner, Germany

SCHÖNEBERG

TREATING THE GLENOID IN PRIMARY AND REVERSE CASES

Faculty
Prof. Olivier Verborgt, AZ Monica Antwerp, Belgium
Prof. Christian Gerber, Balgrist University Hospital, Zurich, Switzerland
Andrew Hopkins, PhD, Development Upper Extremities, Zimmer Biomet, Switzerland

• Opening
• Glenoid correction and reconstruction in anatomical and reverse prosthesis with the use of technology
• Treatment of the glenoid in primary and reverse cases with the use of one prosthesis
• Discussion
• Closure

TEGEL

CURRENT CONCEPTS IN THE ARTHROSCOPIC TREATMENT OF ROTATOR CUFF TEARS

Presentations are followed by open interactive discussion and hands-on workshop

Chairman
Alessandro Castagna, MD, Italy

Arthroscopic Latissimus Dorsi tendon transfer
Paolo Paladini, MD, Italy
Biceps – to kill or not to kill?
Bilal-Farouk El-Zayat, PD, Germany
Tips and Tricks for Subscapularis tendon repairs
Philippe Collin, MD, France

TIERRGARTEN

ADVANCED ROTATOR CUFF SOLUTIONS

Chairman
Martyn Snow, UK

Managing the irreparable cuff - Superior capsule reconstruction
Martyn Snow, UK
Matching implant to biology
Nik Verma, USA
Key strategies to improve our healing rate in RCR
Miguel Ruiz Iban, Spain
BRING ON THE CHALLENGE. SOLUTIONS FOR YOUR COMPLEX SHOULDER CASES

Introduction, 10yr Anniversary of the Equinoxe rTSA
Chris Roche

Introduction to the Equinoxe Preserve Humeral Stem
Felix (Buddy) Savoie III, MD, USA

Midterm Equinoxe rTSA Clinical Outcomes
Inigo Guisasola, FRCS, UK

The Difficult Glenoid: A Review of Augmented Glenoid Outcomes
Prof. Peter Müller, Germany

Overview of ExactechGPS Shoulder Application: Preop Planning & Computer Navigation
Raul Barco, MD, Spain

Novel Prosthetic Solutions for Humeral Bone Loss
David Collins, MD, USA

Wrap Up
Paolo Grosso
Adjourn

CLINICAL RESULTS AND SURGICAL PEARLS: A DECADE OF EXPERIENCE WITH RSA INVERTED MATERIAL BEARINGS AND STEMLESS ARTHROPLASTY

Chairman
Simon Bell, Australia

Introduction
Simon Bell, Australia

First Presentation: History and perspectives of RSA and stemless anatomic prosthesis development
Georges Kohut, Switzerland

Second Presentation: Inverted material bearings in RSA: gimmick or necessity?
Falk Reuther, Germany

Third Presentation: Fracture and Fracture Inverse: surgical pearls and pitfalls
Simon Bell, Australia

Discussion and wrap-up:
Questions from the audience and between moderator/speakers

SHOULDER INJURIES IN ATHLETES

Partial rotator cuff tears in athletes
Christian Gerber, Switzerland

Shoulder injuries in gymnasts
Markus Scheibel, Germany

Rotator cuff lesions in overhead athletes
Dominik C. Meyer, Switzerland
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

FRIDAY, SEPTEMBER 15th
12.40-14.10 h

PAVILLON

SUPERIOR CAPSULAR RECONSTRUCTION

**Chairman**
Anthony Romeo

- Indications and Safety of the procedure
  USA, Anthony Romeo
- Evolution of SCR Surgical Technique and clinical results, one to two years
  USA, Patrick Denard
- Lessons learned, what’s my approach today
  UK, Matt Ravenscroft

BELLEVUE

ARTHROPLASTY SYMPOSIUM & WORKSHOP / HOW TO TREAT COMPLEX GLENOID CASES?

**Faculty**
Markus Scheibel, Germany
Alexandre Lädermann, Switzerland

CHARLOTTENBURG I-II

HOW TRABECULAR TITANIUM HAS IMPROVED OUR CLINICAL PRACTICE

Innovations in shoulder arthroplasty: is there a clinical need?
Alessandro Castagna, Milan, Italy

- Trabecular titanium: a cutting edge technology applied to the SMR Heritage
  Michele Pressacco, Udine, Italy
- SMR stemless: unique inlay design for a bone sparing approach
  Jörn Kircher, Hamburg, Germany
- Complex glenoid reconstruction with bone grafting technique
  Ian Trail, Wrightington, UK

Discussion

TEGEL

THE LATEST DEVELOPMENTS IN SHOULDER INSTABILITY

Presentations are followed by open interactive discussion and hands-on workshop

**Chairman**
Dennis Liem, MD, PhD, Germany

- Resorbable devices for Arthroscopic shoulder stabilization. Are they harmless?
  Paolo Paladini, MD, Italy
- Bankart and Remplissage procedure for shoulder instability: indications, techniques and outcomes
  Giuseppe Porcellini, MD, Italy
- Solutions for glenoid bone loss – Arthroscopic and open techniques
  Raul Barco, MD, Spain
**LUNCH WORKSHOPS (INDUSTRY SPONSORED)**

**Friday, September 15th**

**TIERGARTEN**

3 ADVANCED TECHNIQUES IN GLENOID RECONSTRUCTION

**Chairman**
Nik Verma, USA

- **Mini-Open Latarjet**
  Nik Verma, USA
- **Suspensory fixation is an alternative to screw fixation for Latarjet procedure**
  Pascal Bolleau, France
- **Bone block technique for glenoid bone loss**
  Ettore Taverna, Italy

**KOPENICK I - II - III**

CEMENTLESS GLENOID COMPONENT: NEW DESIGN AND LONG TERM FU

- **Metal back glenoid implant: an evidence based medicine update**
  M. Borroni, Italy
- **New design of cementless convertible glenoid component: review of 90 cases**
  P. Habermeyer, Germany
- **16 years of uncemented glenoids in TSA: still a reliable and modern concept**
  J. Kany, D. Katz
- **Benefits of Metal back platform system**
  Philippe Valenti, France
- **Interactive session clinical cases and discussion**

**CHARLOTTENBURG III**

INSPACE – BALLOON SPACER FOR MASSIVE ROTATOR CUFF TEAR OVER 10000 PATIENTS TREATED

- **A biomechanical study with the InSpace on top of rotator cuff repair**
  Prof. Dr. med. Matthias Pietschmann, Germany
- **The InSpace pivotal study in the USA**
  Dr. Nikhil Verma, USA
- **My clinical approach for the InSpace subacromial spacer**
  Dr. Laurent Lafosse, France

**SCHINKEL**

FROM REVERSE TO FAST FORWARD...MOVING THROUGH THE GEARS WITH DJO

- **My Early Experience with the Altivate™ Anatomic System**
  Dr. Grant Garrigues
- **Altivate Anatomic Sawbones Demonstration**
  Dr. Grant Garrigues
- **My Seven Year Experience with the Reverse® Shoulder Prosthesis**
  Dr. Frank Reichwein
- **Challenging Cases and How We Fix Them (1 case each)**
  All faculty members

**SCHÖNEBERG**

STATE OF THE ART OF ANATOMIC SHOULDER ARTHROPLASTY - MODULAR VS STEMLESS

**Faculty**
Ludwig Seebauer, Munich
SOCIAL EVENTS

**WEDNESDAY, SEPTEMBER 13th**

**OPENING CEREMONY AND WELCOME COCKTAIL** - from 18.00h
SECEC 2017 Welcome Cocktail will be held on Wednesday, 13th late afternoon after the Opening Ceremony.
(included in the registration fee)

**FRIDAY, SEPTEMBER 15th**

**GALA DINNER** - 20.30h
SECEC 2017 Gala Dinner will be held on Friday, September 15th evening.
120€ (not included in the registration fee)
Venue: **Classic Remise**

You will find the Classic Remise Berlin in a well restored historic tram depot. Since its opening in 2003 it is one of the most favorite event location in Berlin. Old industry architecture combined with the presentation of historical and classic cars together with precious oldtimers in glass show boxes guaranty an unforgettable ambience. Mix and mingle with your colleagues and enjoy the sophisticated gastronomy in an incomparable atmosphere of breathtaking architecture and legendary cars.
EXHIBITION CATALOGUE

ARC Korea Co., Ltd. is a medical device manufacturer which produces all suture anchor and bioabsorbable implant for orthopedics. Not only is our manufacturing technique unique and valuable in Korea but also our product is special. We have patent and product approval from MFDS for the first. Our attitude is sincere when we research and develop product. We will provide high quality product and technique.

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www.arthrex.com

We are a global medical device company and leader in new product development and medical education in orthopedics. With a corporate mission of Helping Surgeons Treat Their Patients Better, Arthrex has pioneered the field of arthroscopy and developed more than 11 000 innovative products and surgical procedures to advance minimally invasive orthopedics worldwide. Our product range comprises electronic equipment for arthroscopy, reconstruction instruments and implants for sports medicine and traumatology, joint prosthetics, and orthobiologic products.

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www.conmed.com

ConMed is committed to provide excellent products to enable surgeons to treat their patients better, so as to improve the patient outcomes and to enhance patient care. Please visit us on stand number 20 during the SECEC meeting, so as to explore our latest products – or just pop by for a coffee. We look forward to welcoming you!

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De Soutter Medical is a company solely focussed on producing advanced power instrument solutions for today’s exacting surgical procedures. The company has accumulated years of experience concerning the complex and demanding requirements of advanced surgical techniques and how they need to be augmented with the latest technologies in power instrument design. The products De Soutter produce are the result of continuous investment into research and development of high integrity, precision instruments which surgical teams, the world over, have come to rely on. The company’s universal goal is total customer satisfaction.
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DJO Global provides solutions for musculoskeletal and vascular health, injury prevention, rehabilitation and pain management as well as joint reconstruction. Our products help prevent injury, rehabilitate after injury or surgery, or manage progression of degenerative disease, enabling patients to keep moving and to return to a healthier lifestyle. Visit www.DJOglobal.com.

Dual Sanitaly S.p.A., a family company, has been producing orthopedic products since 1949.

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DUAL SANITALY develops and manufacture Hip, Knee, Shoulder and extremity joint replacement devices.
DUAL SANITALY products meet all international quality standards including ISO9001 and EN13485 requirements.

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www.exac.com

Exactech develops and produces bone and joint restoration products that help surgeons worldwide make patients more mobile. Since 1985, Exactech has looked at clinical challenges through the eyes of a surgeon, because it was founded by one. With global headquarters in Gainesville, FL., Exactech manufactures innovative solutions that improve patient outcomes for hip, knee and shoulder surgery and distributes in more than 30 markets, including Europe, the United States, Latin America, Asia and the Pacific. For more information, please visit www.exac.com.

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Evolutis is a French orthopedic manufacturer established in 1999. Today, it is a major competitor in many international markets. The company is recognized for the high quality, reliability and effectiveness of its orthopedic implants. More than 30000 units of the “Hactiv” hip system and its by-products have been implanted since its first implantation in 2001.
Evolutis develops and manufacture Hip, Knee, Shoulder and extremity joint replacement devices.
Evolutis products meet all international quality standards including ISO9001 and EN13485 requirements.

EXHIBITION CATALOGUE
Group FH Ortho is renowned for its innovative products and surgical techniques, which stem from collaborations with leading orthopaedic surgeons in France and throughout the world. Today, Group FH ORTHO offers a full range of orthopaedic implants: hip, knee, shoulder, cruciate ligament repair, forefoot, hindfoot and spine.

FX Solutions is an innovative French company specialized in the design, manufacturing and distribution of shoulder prosthesis, dedicated to improving patient outcomes during orthopedic surgical procedures in shoulder surgeries. In order to provide the most efficient solutions for difficult surgical procedures, WE LISTEN TO SURGEONS, paying close attention to detail, and analyzing new possibilities to solve problems that surgeons encounter.

In this way, BY LISTENING TO SURGEONS, FX Solutions can design and develop new implants, instruments, and surgical techniques best suited to solving everyday problems encountered by orthopedic shoulder surgeons in treating shoulder trauma and degenerative pathologies.

IDO is a dynamic and innovative orthopaedic device company that collaborates closely with practicing orthopaedic surgeons in order to develop, design, and manufacture advanced, sophisticated and simple solutions. Our first unique and innovative shoulder implant called Verso® is a stemless reverse total shoulder prosthesis, already in use for over 11 years with hundreds of satisfied patients and excellent clinical and radiologic results. The Verso® also has a stemmed version for fractures and revisions, which benefits from the same unique advantages, design and simple yet sophisticated concept.

It's currently available and already in use in UK, France, Germany, Italy, Poland and Israel with Australia, Switzerland and Argentina where it will be launched soon.

We are working to introduce a range of valuable and practical orthopaedic products for clinical use throughout Europe and beyond, with significant added value for surgeons and their patients.
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www.itecmedical.com

ITEC Medical offers a unique, new, simple, safe, fast and standardized treatment for the most common orthopedic injury: the tennis elbow. ITEC Medical has invented and developed a unique apparatus, the ITEC-medical device, which can be operated by a standardized procedure with minimal risk. With the ITEC-medical device the specialist treats the exact site of the injured tennis elbow by a manual perforation and injection of the tendon by a small, specially designed, set of disposable needles, the ITEC-injection disposable.

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Lima Corporate is a global medical device company providing reconstructive and fixation orthopaedic solutions. Based in Italy, Lima Corporate is committed to the development of innovative products and procedures to enable surgeons to select ideal solutions for every individual patient. Lima’s product range includes large joint primary/revision implants and complete extremities solutions including fixation.

OUR MISSION: Lima offers innovative solutions to assist orthopedic surgeons in restoring the Emotion of Motion.

OUR VISION: Lima aspires to be the leading company in niche orthopedic markets to improve surgeon and patient experience, offering innovative, tailored solutions.

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The Swiss Orthopaedic family company founded in 1946 looks back on over 50 years of experience in medical technology. Since November 2003 Mathys concentrates on the development, production and distribution of joint replacement products for hip, knee and shoulder, synthetic bone graft substitutes and sport orthopaedics. Today, Mathys has 12 subsidiaries worldwide.

The Affinis Shoulder portfolio covers all areas of indication: Whether primary care, fracture or revision implants, the Affinis implants provide systematic solutions to orthopaedic challenges. Since the beginning of 2000, the portfolio has been continuously further developed, improved and expanded. Of course medical advances also influence our instruments.
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Medacta International is a Swiss company developing, manufacturing and distributing orthopaedic and neurosurgical medical devices worldwide. Medacta was founded in 1999 with a vision of redefining better through innovation for people needing joint replacement and spine surgery. Through medical education, our innovation leads to better results both for patients and healthcare system in terms of efficiency and economic savings.

Ortho-Space develops and commercializes simple-to-implant, biodegradable balloon systems for the orthopedic market. The InSpace™ system has the CE mark since 2010, and is currently marketed in Europe and other territories, with more than 10,000 patients treated so far. The system is under IDE use as part of a pivotal study in the United States. InSpace™ is indicated for patients who suffer from rotator cuff injury, reducing shoulder pain and improving range of motion.

Medartis AG, headquartered in Basel, CH, specializes in high-precision implants for surgical fixation of bone fractures and osteotomies. We develop, manufacture and sell titanium screws and plates, surgical instruments and system solutions for fracture fixation, allowing reconstruction of fractures, malunions, deformities and adjacent soft tissues.

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Smith & Nephew is a global medical technology business dedicated to supporting healthcare professionals in their daily efforts to improve the lives of their patients. With leadership positions in Orthopaedic Reconstruction, Advanced Wound Management, Sports Medicine and Trauma & Extremities, Smith & Nephew has more than 15,000 employees and a presence in more than 100 countries. Annual sales in 2016 were almost $4.7 billion. Smith & Nephew is a member of the FTSE100 (LSE:SN, NYSE:SNN).

KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy and can be considered as market leader in rigid endoscopy. The still family held company was founded in 1945 in Tuttingen, Germany, and has grown to one with a worldwide presence and 7800 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications. Today’s product range also includes fully integrated concepts for the OR and servicing.

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