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Dear Colleagues, Friends and Members of the SECEC family,

In September 2017 the city of Berlin will host the 27th Congress of the European Society for Surgery of the Shoulder and the Elbow (SECEC-ESSSE).

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 will take 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 will also celebrate 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.

I look forward to seeing you in 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

SECEC EXECUTIVE COMMITTEE
President
Roger Emery (United Kingdom)
Past President
Frank Gohlke (Germany)
Treasurer
Emilio Calvo (Spain)
General Secretary
Juan Bruguera (Spain)
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Anders Ekelund (Sweden)
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Przemyslaw Lubiatowski (Poland)
Pierre Mansat (France)
Nicole Pouliart (Belgium)
Markus Scheibel (Germany)
Carlos Torrens (Spain)
Roger Van Riet (Belgium)
Matthias Zumstein (Switzerland)

SECEC Secretary
Sylvie Noël (France)

SECEC PROGRAM COMMITTEE
Chairman
Juan Bruguera (Spain)
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Matthias Flury (Switzerland)
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Markus Scheibel (Germany)
Matthias Zumstein (Switzerland)

SECEC EDUCATION COMMITTEE
Chairman
Philippe Collin (France)
Members
Giacomo Delle Rose (Italy)
Robert Hudek (Germany)
Philip Kasten (Germany)

SECEC REHABILITATION COMMITTEE
Chairman
Roger Van Riet (Belgium)
Members
Marco Conti (Italy)
Raffaele Garofalo (Italy)
Ariane Gerber Popp (Switzerland)
Frieder Mauch (Germany)
Olivier Verborgt (Belgium)

SECEC EASTERN EUROPEAN SUPPORT COMMITTEE
Chairman
Przemyslaw Lubiatowski (Poland)
Members
Nuri Aydin (Turkey)
Janne Lehtinen (Finland)
Paolo Paladini (Italy)
Pericles Papadopoulos (Greece)
Gabor Skaliczki (Hungary)

SECEC RESEARCH AND DEVELOPMENT COMMITTEE
Chairman
Nicole Pouliart (Belgium)
Members
Francesco Franceschi (Italy)
Ofer Levy (United Kingdom)
Sven Lichtenberg (Germany)
Xavier Ohl (France)

SECEC QUALIFICATION COMMITTEE
Chairman
Markus Scheibel (Germany)
Members:
Raul Barco (Spain)
Harry Georgousis (Greece)
Philippe Hardy (France)
Jacinto Monteiro (Portugal)
Patric Raiss (Germany)

SECEC REGISTRY COMMITTEE
Chairman
Luc Favard (France)
Members:
Lijekle Beimers (Netherlands)
Jonathan Rees (UK)
Bjorn Salomonsson (Sweden)
Carlos Torrens (Spain)
Birgit Werner (Germany)

SECEC WEBSITE COMMITTEE
Chairman
Matthias Zumstein (Switzerland)
Webmaster
Mario Borroni (Italy)
Members
Tamer Gunes (Turkey)
Michael Schaer (Switzerland)
Christian Spross (Switzerland)

SECEC MEMBERSHIP COMMITTEE
Chairman
Anders Ekelund (Sweden)
Members
John Feroussis (Greece)
Christian Gerhardt (Germany)
Giuseppe Sforza (United Kingdom)
Markus Wambacher (Austria)
CONGRESS VENUE

VENUE
InterContinental Berlin
Budapester Strasse 2
10787 Berlin, Germany

Berlin Zoologischer Garten
railway station

U
Car

InterContinental Berlin

InterContinental Berlin
CONGRESS VENUE • HOW TO GET TO INTERCONTINENTAL BERLIN
CONGRESS VENUE • UNDERGROUND NETWORK
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 gree 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>
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<tr>
<td></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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<tr>
<td></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></td>
<td>330€</td>
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EUSSER sessions

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<tr>
<td>FRIDAY AND SATURDAY</td>
<td>140€</td>
<td>160€</td>
<td>180€</td>
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<td>INCLUDING WORKSHOP 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
<table>
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<td>LIMA CORPORATE</td>
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<td>MEDACTA</td>
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<td>NCS LAB</td>
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<td>SMITH &amp; NEPHEW</td>
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<td>STRYKER</td>
<td>15</td>
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<tr>
<td>WISEPRESS</td>
<td>37-38</td>
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<tr>
<td>WRIGHT / TORNIER</td>
<td>11</td>
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<td>ZIMMER BIOMET</td>
<td>22</td>
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</tbody>
</table>
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>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>18:00 - 19:15h</td>
<td>OPENING CEREMONY</td>
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<tr>
<td>19:15 - 20:30h</td>
<td>WELCOME RECEPTION</td>
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</table>

**Thursday, September 14th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>07:30 - 08:45h</td>
<td>PAVILLON</td>
<td>ICL 1 BASIC RESEARCH IN ROTATOR CUFF PATHOLOGY</td>
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<tr>
<td></td>
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<td>S. Gumina (Italy)</td>
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<tr>
<td>09:00 - 10:30h</td>
<td>CHARLOTTENBURG I - II</td>
<td>ICL 2 OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS</td>
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<td></td>
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<td>S. Carbone (Italy)</td>
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<tr>
<td>10:30 - 11:00h</td>
<td></td>
<td>Coffee Break</td>
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<tr>
<td>11:00 - 12:15h</td>
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<td>ICL 3 ELBOW ARTHROSCOPY</td>
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<td>M. van den Bekerom (Netherlands)</td>
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<td>12:15 - 12:45h</td>
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<td>JSES SESSION 1 ELBOW</td>
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<td>P. Mansat (France), F. Gohlke (Germany)</td>
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<tr>
<td>12:55 - 14:25h</td>
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<td>LUNCH WORKSHOPS (industry sponsored) - (Page 52)</td>
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<tr>
<td>14:30 - 16:00h</td>
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<td>SCIENTIFIC SESSION 3 SHOULDER FRACTURES</td>
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<td>16:00 - 16:30h</td>
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<td>Coffee Break</td>
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<tr>
<td>16:30 - 18:00h</td>
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<td>SCIENTIFIC SESSION 5 SHOULDER INSTABILITY</td>
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<td>SCIENTIFIC SESSION 6 ELBOW (INSTABILITY &amp; OTHER)</td>
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<td>18:00 h</td>
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Free evening
### Scientific Grid

<table>
<thead>
<tr>
<th>Time</th>
<th>Potsdam</th>
<th>Bellevue</th>
<th>Tiergarten</th>
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</thead>
</table>
| 07:30 - 08:45 h | ICL 4 THE STIFF ELBOW  
S. Greiner (Germany) | ICL 5 CLINICAL EXAMINATION  
OF THE ROTATOR CUFF:  
A. Jädermann (Switzerland) | JSES SESSION 2  
SHOULDER  
F. Gohlke (Germany), P. Mansat (France) |
| 09:00 - 10:30 h | SCIENTIFIC SESSION 7  
ROTATOR CUFF - II | SCIENTIFIC SESSION 8  
ELBOW II (PROSTHESIS & FRACTURES) |  |
| 10:30 - 11:00 h | Coffee Break             |                                    |  |
| 11:00 - 12:30 h | SCIENTIFIC SESSION 9  
ANATOMICAL SHOULDER ARTHROPLASTY | SCIENTIFIC SESSION 10  
YOUNG FORUM SESSION |  |
| 12:40 - 14:10 h | LUNCH WORKSHOPS (Industry sponsored) - (Page 52) |  |  |
| 14:15 - 15:15 h | National Societies  
Best Paper Prize | EUSSER DAY  
SPORTING SHOULDER AND ELBOW INJURIES |  |
| 15:15 - 15:45 h | SECEC PRESIDENTIAL GUEST LECTURE  
Felix H. "Buddy" Savoie III, MD (USA) | EUSSER DAY  
SHOULDER INJURIES IN SPORT  
CONSIDERATIONS FOR RHB |  |
| 15:45 - 16:15 h | Coffee Break             |                                    |  |
| 16:15 - 17:45 h | SYMPOSIUM 2  
BONY-MEDIATED ANTERIOR  
SHOULDER INSTABILITY  
O. Verborgt (Belgium) | EUSSER DAY  
GENERAL ASSEMBLY |  |
<p>| 17:45 - 19:15 h | SECEC GENERAL ASSEMBLY |  | SECEC 2017 - Gala Dinner |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Potsdam</th>
<th>Pavillon</th>
<th>Charlottenburg I - II</th>
<th>Bellevue</th>
<th>Charlottenburg III</th>
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<tr>
<td>09:00 - 10:30 h</td>
<td><strong>SCIENTIFIC SESSION 11</strong></td>
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<td>EUSFER DAY</td>
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<td>REVERSE SHOULDER ARTHROPLASTY - I</td>
<td></td>
<td>RETURN TO PLAY FOLLOWING SHOULDER AND ELBOW INJURIES</td>
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<td>10:30 - 11:00 h</td>
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<td>11:00 - 11:50 h</td>
<td>AWARD SESSION</td>
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<td>EUSFER DAY</td>
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<td>RETURN TO PLAY FOLLOWING SHOULDER AND ELBOW INJURIES</td>
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<td>12:00 - 12:50 h</td>
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<td>GERMAN SOCIETIES</td>
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<td>13:40 - 14:20 h</td>
<td><strong>SCIENTIFIC SESSION 12</strong></td>
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<td>EUSFER DAY</td>
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<td>REVERSE SHOULDER ARTHROPLASTY - II</td>
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<tr>
<td>14:30 - 15:20 h</td>
<td><strong>SCIENTIFIC SESSION 13</strong></td>
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<td>MISCELLANEOUS - II</td>
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<tr>
<td>15:20 - 16:15 h</td>
<td><strong>SCIENTIFIC SESSION 14</strong></td>
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<td>EUSFER DAY</td>
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<td>NEW TECHNIQUES / TIPS &amp; TRICKS</td>
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<td>16:15 h</td>
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<td>EUSFER DAY</td>
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<td>16:15 - 18:00 h</td>
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<td>WORKSHOPS</td>
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*SCIENTIFIC SESSION 15 - REHABILITATION I

*SCIENTIFIC SESSION 16 - REHABILITATION II

*EUSSER DAY

*WORKSHOPS

*Closing Remarks
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)

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)

Room CHARLOTTENBURG I-II - 07.30 - 08.45 h

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)
INSTRUCTIONAL COURSE LECTURES

**Friday, September 15th**

**Room PAVILLON - 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 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)

**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 Jansen (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)
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 Kralinger (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

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<th>Time</th>
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<td>11.00-12.15</td>
<td>Room Potsdam</td>
<td>Rotator Cuff - I</td>
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<td>Shoulder Fractures</td>
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<td>16.30-18.00</td>
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<td>Elbow I (Instability &amp; Other)</td>
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<td>JSES Elbow</td>
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### Friday, September 15th

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<td>Elbow II (Prosthesis &amp; Fractures)</td>
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### Saturday, September 16th

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<td>09.00-10.30</td>
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<td>Reverse Shoulder Arthroplasty - I</td>
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<td>12.00-12.50</td>
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<td>Invited Societies Session - German Societies DVSE AND AGA</td>
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<td>13.40-14.20</td>
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<td>Reverse Shoulder Arthroplasty - II</td>
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<td>15.20-16.15</td>
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<td>New Techniques / Tips &amp; Tricks</td>
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<td>15.00-16.00</td>
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<td>Room Charlottenburg III</td>
<td>Technology Session</td>
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JSES & TECHNOLOGY SESSION

THURSDAY, SEPTEMBER 14th

Room TIERGARTEN - 07:30 - 08:45 h

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

FRIDAY, SEPTEMBER 15th

Room TIERGARTEN - 07:30 - 08:45 h

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

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

SATURDAY, SEPTEMBER 16th

Room CHARLOTTENBURG III - 07:30 - 08:45 h

TECHNOLOGY SESSION:
TECHNOLOGY IN EDUCATION
Chair: Thomas Gregory (France)

Arthroscopic training and simulation, state of the art
Gabriëlle Tuijtthof (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)
SCIENTIFIC PROGRAM
INSTRUCTIONAL COURSE LECTURE 1

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

07:30 - 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

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

07:30 - 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

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
Bartlomiej 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 - 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

07:35 - 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

INSTRUCTIONAL COURSE LECTURE 3

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

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Augmentation techniques in fixation of proximal humerus fractures
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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

JSES 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

OP-6. The effect of intravenous tranexamic acid on the visual clarity during arthroscopic rotator cuff repair: A randomised controlled, double blind study
Ali Erse, 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 Rodeo1
1. Inselspital, University of Bern, Bern, Switzerland
2. Hospital for Special Surgery, New York City, Switzerland
12:04 - 12:12

Kjersti Kaul Jenssen1, Kirsten Lundgreen1, Jan Erik Madsen2, 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 Torrens3
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 Ibadi4, Helmut Lil5, Jan Christoph Kalthagen6
1. Diakovere Friederikenstift, 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 Schielb
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 Heuberer3, Ulrich Lanz4, Brenda Laky5, Christian Wurnig6, Werner Anderl7, Leo Pauzenberger8
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 Kruekenberg, Markus Schielb
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 Mowinckel3, Jens Irin 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 Godenèche1, Philippe Collin2, Gilles Walch1, 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
11:56 - 12:04
SCIENTIFIC PROGRAM

Thursday, September 14th

OP-17. Brain recovery is only partial after anterior shoulder stabilization
Alexandre Lädermann¹, Grégory Cunningham²
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
(Page 52)

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 Carbone³
1. Sapienza University of Rome, Dept. Of Molecular Medicine, Rome, Italy

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-Martín³, Catherine Hewitt⁴
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 Darferner, 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, Vilijam Zdravkovic, Gabor Puskas, 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

1. Institut parisien de l’épaule, Paris, France
2. CHU de Toulouse, Toulouse, France
3. CHRU de Strasbourg, Strasbourg, France
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 Elmengaard¹, Steen Lund Jensen², Bo Sanderhoff Olsen¹, 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 Abboud², Sarena Namdar²
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 Trojan³, Pascal Boileau⁴
1. IULS - Hôpital Pasteur ², Nice, France
2. Centre Médical Santy, Lyon, France

15:50 - 15:58
**OP-29. Intramedullary nailing in the treatment of humeral shaft fractures: distal interlocking or not?**
Roman 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 McGarry², Masaki Akeda³, Hansel E Ihn⁴, Agnieszka Karol⁵, Brigitt Von Rechenberg⁵, Thay Q Lee³
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 Roßbach⁶, Matthias Frank Pietschmann⁷, Lena Kempfert⁸, Mehmet Fatih Gülecyüz⁸, Konstanze Eichmüller⁹, Andreas Ficklscherer⁹, Bjoern Peter Roßbach⁹, Thomas Richard Niethammer⁵, Peter Ernst Müller⁶
1. Department of Orthopaedics, Physical Medicine and Rehabilitation -Medical Center of the University of Munich (Ludwig-Maximilian-University), Munich, Germany
2. Department of Traumatology and Orthopaedics, Klinikum Landsberg am Lech, Germany
3. Numares AG, Regensburg, Germany
4. Orthopädie Oberland, Weilheim I. Ob, Germany
5. Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany
6. Department of Orthopaedics, Physical Medicine and Rehabilitation -Medical Center of the University of Munich, Germany

15:02 - 15:10
**OP-34. Intramuscular nailing in the treatment of humeral shaft fractures: distal interlocking or not?**
Roman Colombi, Adrien Bevand, Ludovic Labattut, Brice Viard, Pierre Martz, Emmanuel Baulot
Dijon university hospital, Department of Orthopaedic surgery, Dijon, France

**SCIENTIFIC PROGRAM**

**Thursday, September 14th**

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 Hospital, Changwon, South Korea
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 Lafta4, 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. Clinica 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-Soo 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 Kholinne1, Hyun Joo Lee2, Maria Florencia Deslivi3a, Ga Yeong Kim1, 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

15:34 - 15:42
OP-38. Scapular morphology in patients with Hill-Sachs lesions using statistical shape modeling
Adam Matthias Jacksen1, Shireen Y Elhabian2, Robert Z Tashjian3, Heath B Henninger4
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 Bioengineering, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States

15:42 - 15:50
OP-39. Biomechanical comparison of three different plate configuration for clavicle midshaft fracture fixation
Gokcer Uzer1, Fatih Yildiz2, Suat Batar3, Kerem Bilssel4, Ergun Bozdag5, Hacer Kuduz6
1. Department of Orthopedics and Traumatology, Bezmialem Vakif University School of Medicine, Istanbul, Turkey
2. Biomechanics Laboratory, Faculty of Mechanics, Istanbul Technical University, Istanbul, Turkey

16:30 - 16:38
OP-41. Long-term outcome of the arthroscopic Bankart procedure
Marianne Larsen Van Gastel1, Nienke W. Willigenburg1, Lea Dijksman2, Rob Lindeboom3, Michel P.J. Van Den Bekerom1, Victor P.M. Van Der Hulst1, Derek F.P. Van Deurzen1
1. OLVG, Amsterdam, Netherlands
2. Academisch Medisch Centrum, Amsterdam, Netherlands

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 Werthel1, Grégoire Ciais1, Shanhaz Klouche1, Guillaume Lonjon2, Philippe Hardy2
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
OP-43. Clinical and radiological outcomes of open Latarjet procedure in patients older than 40 years

Peter Domos1, Enricomaria Lunini2, Lionel Neyton3, Arnaud Godeneche3, Gilles Walch7

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 Prive 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-Universitätsmedizin Berlin, Germany

17:02 - 17:10


Philippe Patrick Valenti, Marco Cartaya, Jean David Werthel

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 Gastaud, Jean-François Gonzalez

IULS - Hôpital Pasteur6, 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 Valencina

Hospital Fundación Jimenez Diaz, Madrid, Spain

17:26 - 17:34


Philippe Moroder1, Fabian Plache2, Johannes Becker2, Eva Schulz2, Alexander Auffarth2, Herbert Resch2

1. Charité Universitätsmedizin, 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-Universitätsmedizin 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

Rachel M Frank1, Catherine J Richardson1, Michael C O’Brien1, Jon M Newgren1, Nikhil N Verma1, Brian J Cole1, Matthew T Provence1, Anthony A Romeo2

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 Hardy1, Arnaud Godenèche2, Pierre Mansat3, Pascal Boileau4, Olivier Gastaud4, Geoffroy Nourissat5, Jérôme Garret6

1. Clinique Mutualiste, Saint Etienne, France
2. Centre Orthopédique Santy, 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

17:58 - 18:00
16:38 - 16:46
OP-53. Effect of capsule repair on rotational and varus stability in PLRI reconstruction
Mike Künzler¹, 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?
Aymeric Alen¹, Nadine Hollevoet¹, Carlos Henriquez², Marc Van-deweerdt², Koen Ponne², Lieven De Wilde¹, Alexander Van Tonge²
¹ University Hospital Gent, Gent, Belgium
² Toho University, Tokyo, Japan

16:54 - 17:02
OP-55. Transcatheter arterial embolization of abnormal vessels as a treatment for lateral epicondylitis refractory to conserva-tive 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 - Geyer³
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 Assem-macher, 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: Philippe Hardy (France)

Dirk Boehm (Germany)

**ROOM POTSDAM - 09:00 - 10:30**

**09:08 - 09:16**

**OP-64.** Clinical outcome, PROM’s, power and structural integrity after arthroscopic subscapularis tendon repair

Jörn Kircher, Knut Schwalba, Milad Farkhondeh Fal, Achim Heddmann

Klinik Fleetinsel Hamburg, Hamburg, Germany

**09:16 - 09:24**

**OP-65.** Arthroscopic versus open repair of large isolated subscapularis tendon tears

Christoph Bartl1, Florian Eiser2, Janna Dolde3, Stefan Eichhorn1, Florian Gebhard1

1 Orthopaedic Center Munich, Munich, Germany
2 Hessingpark-Clinic, Augsburg, Germany
3 Dep of Orthopaedic Trauma Surgery, Ulm University, Ulm, Germany
4 Technical University Munich, Munich, Germany

**09:24 - 09:32**

**OP-66.** Latissimus dorsi transfer for irreparable subscapularis tendon tears

Chang Hee Baek, Sang Won Mun, Ji Young Kim, Seung Hoon Yi

Yeosu Baek hospital, Yeosu, South Korea

**09:32 - 09:40**

**OP-67.** Factors associated with atraumatic posterosuperior rotator cuff tear

Hyung Bin Park1, Ji-Yong Gwark1, Mincheol Kam1, Dong Kyu Moon2

1 Department of Orthopaedic Surgery, Gyeongsang National University Changwon Hospital, Changwon, South Korea
2 Department of Orthopaedic Surgery, Gyeongsang National University Hospital, Jinju, South Korea

**09:40 - 09:48**


Miguel Angel Ruiz Itañ, 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 Wunnig

Orthopädisches Spital Wien-Speising, Orthopädische Abteilung, Vienna, Austria
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 Kawakami1, Kunimoto Fujunishi1, Yuki taka Fujisawa1, Mutsumi Ohue6, Masashi Neo1
1. Osaka Medical College, Takatsuki, Japan
2. Orthopaedic Biomechanics Laboratory, Long Beach, United States
3. Towakai 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, Bassem Elhassan4
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 Mcclelland4, Charles-Edward Thély2, Christophe Trojan3, Nicolas Bronsard4
1. IULS - Hôpital Pasteur2, Nice, France
2. Sydney Adventist Hospital, Sydney, Australia
3. Peachtree Orthopedics, Atlanta, United States
4. Polyclinique du Bois, Lille, France
SCIENTIFIC PROGRAM

Friday, September 15th

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, Annehien 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 Salomonsson2
   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?
   Maghi Siala, Marine Arboucalot, Fanny Elia, Stéphanie Delclaux, Nicolas Bonneville, Pierre Mansat
   University Hospital of Toulouse, Toulouse, France

COFFEE BREAK
10:30 - 11:00

SCIENTIFIC SESSION 9

ANATOMICAL SHOULDER ARTHROPLASTY
Moderators: Michael Thomas (UK)
Felix Zeifang (Germany)
ROOM POTSDAM · 11:00 - 12:30

11:00 - 11:08
OP-85. Accuracy of patient specific instruments for positioning of humeral and glenoidal components in shoulder arthroplasty - an in vitro study
   Peter E. Müller1, Mathias A. Zumstein2, Bernhard Jos3, Christophe Monnoir4, Ralph Hertel5
   1. Department of Orthopaedic Surgery, Munich, Germany
   2. Physical Medicine and Rehabilitation, Bern, Switzerland
   3. University of Munich, St Gallen, Switzerland
   4. Shoulder, Marcq-En-Baroeul, France
   5. Elbow & Orthopaedic Sports Medicine, Bern, Switzerland
   11:08 - 11:16
OP-86. Version and inclination obtained with 3D planning in total shoulder arthroplasty: do different programs produce the same results?
   Patrick Joel Denard1, Matthew T Provencher2, Alexandre Lädermann3, Anthony A Romeo4, Joshua S Dines5
   1. Southern Oregon Orthopedics, Medford, United States
   2. The Steadman Clinic, Vail, United States
   3. Division of Orthopaedics and Trauma Surgery, La Tour Hospital, Meyrin, Switzerland
   4. Rush, Chicago, United States
   5. Hospital for Special Surgery, New York, United States
   11:16 - 11:24
OP-87. 3D Pre-operative planning and PSI for correction of highly deformed glenoids: can we avoid reverse arthroplasty in primary OA?
   Olivier Verborgt, Wouter Jak, Alexander Vervaecke, Annemieke Van Haver
   AZ Monica, Antwerp, Bélgica
   11:24 - 11:32
OP-88. 3D Planning and targeting guides for glenoid component positioning in total shoulder arthroplasty. Comparative study about 34 cases.
   Adrien Jacquot1, Marc-Olivier Gauca2, Jean Chaoua2, Pascal Boileau1, Daniel Mole1, Gilles Walsh2
   1. Centre Chirurgical Emile Galilé, Nancy, France
   2. Hopital Pasteur - CHU de Nice, Nice, France
   3. Imascap, Brest, France
   4. Centre Orthopédique Santy, Lyon, France
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 Wisse³, Jürgen Rost⁴, Klaus Liefeith⁴, Christoph Lohmann⁵
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 Jensen², Yilmaz Demir³, Randi Hole⁴, Trygve Mettli⁵, Björn Salomonsson⁶
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 Davantzadeh, Alexander Van Tongel, Matthijs Jacksens, Lieven De Wilde
University Hospital, Gent, Belgium

12:04 - 12:12
OP-93. Impact of radiolucent glenoid lines on clinical outcomes in anatomic total shoulder arthroplasty
David Colling¹, Curtis Noel², Sean Grey³, Thomas Wright⁴, 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 Coghlan¹
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 Tuna³, Anan Badar Eddeen⁴, Peter L C Lapner⁵
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
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 Kruekenberg, 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

14:25 - 14:30
Augmentation with alginate-chitin scaffold and rhBMP-2 in a chronic rotator cuff rupture model
Yeiza Lopez, Camilla Arvinius, Belen Rizo, Carlos Garcia-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 Bilisel1, M.D, FEBOT, Assoc. Prof; Fatih Yildiz2, M.D., Assist Prof; Mehmet Kapiciglu3, M.D; Gokcer Uzer4, M.D., Assist Prof; Mehmet Elmadagi5, M.D; Anil Pulatkan6, M.D, Mukaddes Esrefoglu7, M.D, Prof; Ergun Bozdag8, PhD; Guiseppe Milano9, 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, Gumussuyu 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 Prip3, 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. Marenco2, F. Castoldi2
1. Ospedale San Luigi Gonzaga, Orbassano, Italy
2. Città della salute e della scienza, Torino, Italy
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 Silva¹²³, Nuno Ferreira¹, Nuno Sevivas¹
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.
³ICVS/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 Brugueraga, 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, Sahar 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
15:15 - 15:45
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
COFFEE BREAK
15:45 - 16:15
BONY-MEDIATED ANTERIOR SHOULDER INSTABILITY
Chair: Olivier Verborgt (Belgium)
ROOM POTSDAM · 16:15 - 17:45
16:15 - 16:30
Biomechanical perspectives of bony-mediated shoulder instability
Laurent Willemot
Belgium
16:30 - 16:45
Clinical and radiological examination of bony-mediated shoulder instability and treatment implications
Przemyslaw Lubiatowski
Poland
16:45 - 17:00
Remplissage and humeral head grafting procedures: techniques and long-term results
Giovanni Di Giacomo
Italy
17:00 - 17:15
Coracoid transfer procedures: techniques and long-term results
Lionel Neyton
France
17:15 - 17:30
Free bone grafting procedures: the past, the present and the future
Markus Scheibel
Germany
17:30 - 17:45
Discussion
SECEC GENERAL ASSEMBLY
ROOM POTSDAM · 17:45 - 19:15
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

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

TECHNOLOGY SESSION

TECHNOLOGY IN EDUCATION
Chair: Thomas Gregory (France)
ROOM CHARLOTTENBURG III - 07:30 - 08:45

Arthroscopic training and simulation, state of the art
Gabriëlle Tuijthof (Netherlands)
Haptics and simulation for orthopaedic surgery and training
Ferdinando Rodriguez y Baena (UK)
Simulation based shoulder and elbow management
Young Lae Moon (South Korea)
Virtual reality simulators and surgical certification
Thomas Gregory (France)
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
Pierix Deransart¹, Gilles Walch¹, Alain Farron¹, 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 Gobezie⁴
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
⁴ The Cleveland Shoulder Institute, Medford, Cleveland, 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 Walch⁴
¹ Shoulder and Elbow Service - University Hospital Strasbourg, Strasbourg, France
² Shoulder and Elbow Service, Nancy, France
³ Shoulder and Elbow Service, Tours, France
⁴ Centre Orthopédique Santy, Lyon, 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 Dlimi¹, Stefano Tognon², Renato Salvador³, Diego Carniel³, Roberto Ferrante³, Francesco Bisco³, Camobrecco Domenico³, Oreste Arduin³, Camille Safayè³, Paolo Piovan³
¹ Department of Orthopaedic Surgery, Casa di Cura Porto Viro, Italy
² Porto Viro, Italy
³ Department of Surgery, School of Medicine, University of Padua, Italy
4 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 Embrasser, Aline Suter, Sabrina Catanzano, 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 Jacquot², Thomas Goetzmann³, François Sirveaux⁴, Pascal Boileau⁵, Daniel Molé⁶
¹ Centre Chirurgical Emile Gaille, Nancy, France
² Hôpital Pasteur, 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 Berhouet², Mikael Chell³, Pascal Boileau⁵, Gilles Walch⁶
¹ CHU Tours, Tours Cedex, France
² CHU Amiens, Amiens, France
³ CHU Nice, Nice, France
⁴ Santy, Lyon, 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
Tjaco DW Alfa¹, Nicolas Morin-Salvo², Charles Bessière², Pascal Boileau²
¹ Spaarne Gasthuis, Hoofddorp, Netherlands, The
² IULS - Hôpital Pasteur, Nice, France
SCIENTIFIC PROGRAM

Saturday, September 16th

10:20 - 10:28
OP-117. Mid-term results of metallic lateralization in reverse shoulder arthroplasty.
Jean-David Raphael Werthel1, Ali Maqdesi2, Philippe Valenti3
1. Hôpital Ambroise Paré, Boulogne-Billancourt, France
2. Al Razi Orthopaedic Hospital, Kuwait City, Kuwait
3. Kuwait City, Paris, France

AWARD SESSION

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

Introduction of the US fellows
Philippe Collin, France

Introduction of the fellows
Philippe Collin, France

Travel report 2016 Europe/Asia travelling fellows
Tjaro Alta, Alexander Van Tongel

Travel report 2017 Intra European travelling fellows
Joanna Walecka, Abbas Rashid

Best poster prize
Chairman: Philippe Collin (France)
Presentation of the 5 best posters (2 min)
1. The Incidence Of Propionibacterium Acnes In Shoulder Surgery
2. Effect Of Neuromuscular Control On The Shoulder Function After Rotator Cuff Repair – Availability Of Time To Peak Torque And Acceleration Time-
3. Mechanoreceptors Distribution In The Human Medial Collateral Ligament Of The Elbow
4. Open Biceps Tenodesis: A Biomechanical Comparison Of Six Fixation Techniques
Announce of the winner

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

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

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

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

National Societies’ Best Paper Prize
Chairman: Anders Ekelund (Sweden)
Announce of the winner
Award: € 1500.00

INVITED SOCIETIES SESSION

GERMAN SOCIETIES DVSE AND AGA
Moderators: Matthias Flury (Switzerland)
Markus Scheibel (Germany)
ROOM POTSDAM · 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

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 Buess, 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

13:40 - 13:48
OP-120. Outcome and complications after reverse shoulder arthroplasty in patients with parkinson’s disease
Christian Jung, Hans-Kaspar Schwyzer, Matthias Flury, Laurent Audigé, Christoph Kolling
Schulthess Clinic, Zurich, Switzerland
13:48 - 13:56
OP-121. Are convertible platform systems really reaisable?
Albert Ferrando1, Luis Natera2, Paolo Consigliere3, Caroline Witney-Lager, Juan Bruguera4, Giuseppe Storza5, Ehud Atoun6, Ofer Levy7
1 Hospital Politècnic i Universitari La Fe, Valencia, Spain
2 Reading Shoulder Unit, Reading, United Kingdom
13:56 - 14:04
OP-122. Reverse shoulder arthroplasty for failed hemi, a 5 year minimum follow up study
Thomas D Ollonne, Pascal Boileau, Toby Baring, Patrick Gendre
CHU Nice, Nice, France
14:04 - 14:12
OP-123. Reconstruction of the proximal humerus with massive allograft and reverse shoulder arthroplasty
Jean-Luc Raynier1, Patrick Gendre1, Yves Boujou2, Olivier Gastaude3, Thomas D’Ollonne4, Christophe Trajani5, Luc Favard6, Pascal Boileau7
1 IULS - Hôpital Pasteur 2, Nice, France
2 Institut Main Atlantique, Nantes, France
3 Hôpital Trouseau, 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 Wood3
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, 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 Gallacher, 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 Terrons, Raquel Mari, Albert Aller, Lluis 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-Ami2, Oleg Dolkart2, Yariv Goldstein1, Dani Rotman2, Eran Maman3
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 Bouacida, Cyril Lazerges, Michel Chammas, Bertrand Coulet
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 Wiese, Robert Hudek, Frank Gohlke
Rhön Klinikum AG, Bad Neustadt, Germany
15:10 - 15:18
OP-130. A novel shoulder disability staging system for scapulothoracic arthrodesis in patients with facioscapulohumeral dystrophy
Ilker Eren1, Olga Birsel1, Özgür Öztop Çakmak2, Ayça Aslanger4, Mehmet Demirhan1, Piraye Oflazer4, Yasemin Gürsoy Özdemir2, Hülya Kayserili1, Serpil Eraslan1
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

15:15 - 15:30
SCIENTIFIC SESSION 14
NEW TECHNIQUES / TIPS & TRICKS
Moderators: Mario Borroni (Italy)
Natascha Kraus (Germany)
ROOM POTSDAM · 15:20 - 16:15

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 Consigliere1, Caroline Witney-Lagen1, Ofer Levy1
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, Meyrigneneva, 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 Abdelkawi2, Tarek Nabil Fetih3, Ahmed Wahid Kandil2
1 Orthopedic Department, Assiut University Hospital, Assiut, Egypt
2 Orthopedic Department, Alexandria University Hospital, Alexandria, Egypt

15:44 - 15:52
OP-134. Clinical outcome in patients with thoracic outlet syndrome who had arthroscopic-assisted transaxillary first rib resection
Yasuhiro Mitsui1, Masaumi Gotoh1, Hirokazu Honda1, Ryo Amamoto1, Takahiro Okawa1, Naoto Shiba2
1 Kurume University Medical Center, Kurume, Japan
2 Kurume University Hospital, Kurume, Japan

15:52 - 16:00
OP-135. Double nerve transfer for the reanimation of isolated deltoid palsies.
Thibault Lafosse, Thibault Gerosa, Malo Lehanneur, Emmanuel Masmejean, Jerome Pierrart, Arnaud Walch
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

16:00 - 16:15
SCIENTIFIC SESSION 15
REHABILITATION I
Moderators: Ingrid Hultenheim Klintberg (Sweden)
Yasmaine Karel (Netherlands)
ROOM PAVILLON · 14:00 - 15:00

14:00 - 14:06
OP-137. Sensornotoric deficits following shoulder surgery
Kurt Beitzel1, Stefan Buchmann2, Robin Köhler1, Fabian Stöcker1, Andreas B Imhoff1, Sven Reuter1
1 Department of Orthopaedic Sportsmedicine, TU Munich, Munich, Germany
2 OFZ Weilheim, Weilheim, Germany

14:06 - 14:12
OP-138. Early mobilization after rotator cuff repair, does it really matter?
Marwan Haddad1, Galit Daniel-Lavee1, Wasim Mshiel1, Yaniv Keren2, Yaron Berkovich2
1 Galilee Medical Center, Naharya, Israel
2 Rambam Medical CAMPUS, Haifa, Israel
14:12 - 14:18
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, Muenster, Germany

14:18 - 14:24
OP-140. One-year follow-up of the progressive exercise training for patients with rotator cuff related shoulder pain: single group study to investigate the effects on pain severity and disability status
Elif Turgut, Irem Düzgün
Hacettepe University, Ankara, Turkey

14:24 - 14:30
OP-141. Preoperative factors influence the recovery of forward flexion following reverse shoulder arthroplasty
Solenn Gain, Philippe Collin
CHP Saint Grégoire, Saint Grégoire, France

14:30 - 14:36
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 Wilkes1, Timothy Matthews1
1. Cardiff University, Cardiff, United Kingdom
2. Cardiff and Vale University Health Board, Cardiff, United Kingdom

14:36 - 14:42
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

14:42 - 14:48
OP-145. TBC

15:00 - 15:06
OP-146. Conservative rehabilitation for shoulder instability in an elite gymnast
Hilde - Fredriksen
Norwegian Olympic Sports Center, Oslo, Norway

15:06 - 15:12
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, Egemen Turhan, Leyla S Eraslan, Serdar Demirci, Irem Düzgün, Mahmut N Doral
Hacettepe University, Ankara, Turkey

15:12 - 15:18
OP-148. New dynamic brace and targeted fast rehab protocol for soccer players with in season gleno humeral anterior dislocation
Marco Conti1, Raffaele Garofalo2, Enrico Ceccarelli1, Alessandro Castagna1
1. MedSport, Varese, Italy
2. Miuili Hospital, Bari, Italy

15:18 - 15:24
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

15:24 - 15:30
OP-150. The Scapular Dyskinesis Test: Is it reliable and valid?
Michael J Smith1, Robert Goldsmith2, Kevin Nicholas1, Samantha Owen1
1. Cardiff University, Cardiff, United Kingdom
2. Cardiff & Vale University Health Board, Cardiff, United Kingdom
15:30 - 15:36
OP-151. Influence of selected factors on shoulder proprioception among handball players
Piotr Krzysztof Kaczmarek1, Przemyslaw Lubiatowski2, Pawel Cisowski1, Witold Dudzinski1, Leszek Romanowski3
1. Rehasport Clinic, Poznan, Poland
2. Rehasport Clinic; Department of Traumatology, Orthopaedics and Hand Surgery of University of Medical Sciences in Poznan, Poznan, Poland
3. Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland

15:36 - 15:42
OP-152. Inferior shoulder joint position sense in junior handball players
Hilde Fredriksen, Piotr Krzysztof Kaczmarek1, Przemyslaw Lubiatowski2, Pawel Cisowski1, Piotr Ogrodowicz2, Witold Dudzinski1, Leszek Romanowski3
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 - 15:48
OP-153. Kinematics and electromyographic analysis of shoulder girdle in professional archery. A prospective laboratory study
Elisa De Santis, Ilaria Parel, Fabio Dellabiancia, Giuseppe Porcellini, Giovanni Merolla
Biomechanics Laboratory, D. Cervesi Hospital, Cattolica, Italy

15:30 - 15:48
Closing Remarks
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 - EUSSE

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

10.00 h

LUNCH BREAK

11:00 - 13:00

PAPER PRESENTATIONS 1

SCIENTIFIC SESSION 15 · REHABILITATION I
Moderators: Ingrid Hultenheim Klintberg (Sweden) & Yasmaine Karel (Netherlands)
ROOM PAVILLON · 14:00 - 15:00

(PAGE 46)
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
## Thursday, September 14th

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<td>BELLEVUE</td>
<td>Wright Arthroplasty Symposium / BLUEPRINT™ for Reversed Configuration &quot;All-inclusive&quot;</td>
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<tr>
<td>TEGEL</td>
<td>ConMed Current concepts in the Arthroscopic treatment of rotator cuff tears</td>
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<td>SCHÖNEBERG</td>
<td>Zimmer Biomet Reconstructing deformed glenoids from anatomic to reverse solutions</td>
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<td>TIERGARTEN</td>
<td>Smith &amp; Nephew Advanced Rotator Cuff Solutions</td>
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## Friday, September 15th

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<th>Location</th>
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<td>Wright Arthroplasty Symposium &amp; Workshop / How to treat complex glenoid cases?</td>
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<td>PAVILLON</td>
<td>Arthrex Superior Capsular Reconstruction</td>
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<td>CHARLOTTENBURG I - II</td>
<td>Lima Corporate How Trabecular Titanium has improved our clinical practice</td>
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<td>TEGEL</td>
<td>ConMed The latest developments in shoulder instability</td>
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<tr>
<td>CHARLOTTENBURG III</td>
<td>Smith &amp; Nephew 3 Advanced Techniques in Glenoid Reconstruction</td>
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<tr>
<td>CHARLOTTENBURG III</td>
<td>OrthoSpace InSpace – Balloon Spacer for Massive Rotator Cuff Tear Over 10000 Patients Treated</td>
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## SCHÖNEBERG

- 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 Bolleau, France

SCHÖNEBERG

RECONSTRUCTING DEFORMED GLENOIDS FROM ANATOMIC TO REVERSE SOLUTIONS

Faculty
Olivier Verborgt, Belgium AZ Monica
Christian Gerber, Switzerland Balgrist

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

TIERGARTEN

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
Thursday, September 14th
12.55-14.25 h

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

TSA: is MB really a bad option?
J. Kany

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.
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.

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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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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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.

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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.

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www.ekeepitalia.com

Dual Sanitaly S.p.A., a family company, has been producing orthopedic products since 1949.
We propose an innovative line of braces named eKeep®. An all-Italian adventure that started with the creation of the S2 Shoulder Stabilizer®, a product unique in the field of orthotics, the first brace for the prevention of dislocation of the shoulder that controls rather than impedes movement.
The other brace is K1 Posture Keeper® designed to achieve correct dynamic back strengthening. eKeep products are made with technical fabrics acquired from the sporting world have opened up new potential uses that are lacking in other fabrics.

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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, Fla., 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.
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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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. OR MISSION: Lima offers innovative solutions to assist orthopaedic surgeons in restoring the Emotion of Motion.
OUR VISION: Lima aspires to be the leading company in niche orthopaedic markets to improve surgeon and patient experience, offering innovative, tailored solutions.

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NEW

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NEW

Self-Punching

Hi-Fi® Tape

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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. With our motto “Precision in Fixation”, we place highest priority on maintaining stringent quality standards, continuous development, innovation and comprehensive service for surgeons, OR staff and patients. This has formed the foundation of success since the company’s establishing in 1997. Continuous improvement of early functional rehabilitation through high-quality products and unique technologies is our goal.

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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 Tuttlingen, 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.

As the Premier, High-Growth Extremities and Biologics Company, Wright Medical is uniquely positioned with leading technologies and specialized sales forces in three of the fastest growing areas of orthopaedics – Upper Extremities, Lower Extremities and Biologics. That leadership is further enhanced by one of the most comprehensive extremity and biologic product portfolios in the industry as well as strong platforms for future new product development. From new material technologies to advanced products and instrumentation, Wright is committed to delivering innovative, value-added solutions improving quality of life for patients worldwide. For more information regarding Wright, visit www.wright.com

Founded in 1927 and headquartered in Warsaw, Indiana, USA, Zimmer Biomet is a global leader in musculoskeletal healthcare. We design, manufacture and market orthopaedic reconstructive products; sports medicine, biologics, extremities and trauma products; spine, bone healing, cranio-maxillofacial and thoracic products; dental implants; and related surgical products.

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