INDEX

Welcome Address 04-05
Committees 06
Congress Venue & Main Contact Details 07
Registration Fees 08
General Information 09
Exhibition 11-13
Scientific Grid 14-16
Scientific Program 17
Invited Keynote Speakers 38
EUSSER Symposium 39
Lunch Workshops 41
Dear Colleagues, Friends, and Members of the SECEC family,

In September 2018, Geneva will be holding the 28th Congress of the European Society for Surgery of the Shoulder and the Elbow (SECEC-ESSSE).

On behalf of the Swiss Orthopaedics And Elbow Surgery Expert’s Group, we are very excited to welcome back the congress in Switzerland for the first time since 1988 when Norbert Gschwend, one of the founding fathers of SECEC, together with Christian Gerber, hosted the congress in Bern. Switzerland has been historically influential in orthopedic progress and nowadays is one of the top two best countries in the world for medical care. Geneva is Europe’s leading city break destination, very well connected. It is the smallest international city of the world and counts as one of the safest town in the heart of the EU.

Geneva, home of Calvinism, is a unique environment, a place of history and heritage. It offers a lot to discover with its old city, its fine gastronomy, and its scenic lake landscape. The cosmopolitan city has a way to combine the very modern with century old traditions as it is not only a melting pot for international NGOs but also a hub for scientific research led at CERN, watchmaking know-how, high-quality prized wines and of course finance.

Geneva’s unique identity fits perfectly within the original mission of SECEC: high scientific standard, cooperation within the orthopedic community, continuous training and innovations. The congress will take place in the iconic and luxurious CICG conveniently located just off the Place des Nations (UN) and within easy reach of the city center.

I am looking forward to welcoming you and sharing experience and expertise during the congress as well as traditional Swiss customs and hospitality at a variety of very special social events.

Welcome to Geneva!
Dear Friends and Colleagues,

We are delighted to bring our 28th Congress to the historic city of Geneva.

Geneva is the home of the World Health Organization, and is therefore an ideal setting for our Society to consider and debate the important issues of delivering healthcare for musculoskeletal disease and for the conditions affecting the shoulder and elbow in particular.

SECEC, in keeping with the World Health Organization, aims to provide affordable treatment and safe surgery for the injuries and disabilities we encounter. The advances in technology inevitably have an economic cost to our society and global healthcare. We also share the ambitions of promoting evidence based policies and education to improve surgical standards and outcomes for our patients.

We are confident that Alex Laedermann and his colleagues will organize an excellent meeting that will define our current and future practice.

Please contribute and participate in this debate by joining us in this great city.
COMMITTEES

SECEC EXECUTIVE COMMITTEE

President
Roger Emery (United Kingdom)

Vice-President
Mehmet Demirhan (Turkey)

Past President
Frank Gohlke (Germany)

Treasurer
Anders Ekelund (Sweden)

General Secretary
Emilio Calvo (Spain)

Members
Mario Borroni (Italy)
Philippe Collin (France)
Alexandre Laedermann (Switzerland)
Przemyslaw Lubiatowski (Poland)

SECEC Secretary
Sylvie Noël (France)

SECEC PROGRAM COMMITTEE

Chairman
Emilio Calvo (Spain)

Members
Kerem Bilisli (Turkey)
Bertrand Coulet (France)
Matthias Flury (Switzerland)
Jörn Kircher (Germany)
Mario Borroni (Italy)
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SECEC EDUCATION COMMITTEE

Chairman
Philippe Collin (France)

Members
Giacomo Delle Rose (Italy)
Robert Hudek (Germany)
Philip Kasten (Germany)
Paolo Paladini (Italy)
Alberto Schneeberger (Switzerland)

SECEC REHABILITATION COMMITTEE

Chairman
Roger Van Riet (Belgium)

Members
Marco Conti (Italy)
Raffaele Garofalo (Italy)
Ariane Gerber-Popp (Switzerland)
Frieder Mauch (Germany)
Lionel Neyton (France)

SECEC EASTERN EUROPEAN SUPPORT COMMITTEE

Chairman
Przemyslaw Lubiatowski (Poland)

Members
Nuri Aydin (Turkey)
Evgeniy Goncharov (Russia)
Pericles Papadopoulos (Greece)
Thilo Patzer (Germany)
Gabor Skaliczki (Hungary)

SECEC WEBSITE COMMITTEE

Chairman
Mario Borroni (Italy)

Webmaster
Michael Schär (Switzerland)

Members
Philip Moroder (Germany)
Tanel Gunes (Turkey)
Christian Spross (Switzerland)

SECEC MEMBERSHIP COMMITTEE

Chairman
Alexandre Laedermann (Switzerland)

Members
John Feroussis (Greece)
Christian Gerhardt (Germany)
Giuseppe Sforza (United Kingdom)
Markus Wambacher (Austria)

SECEC RESEARCH AND DEVELOPMENT COMMITTEE

Chairman
Nicole Pouliart (Belgium)

Members
Tjarco Alta (The Netherlands)
Francesco Franceschi (Italy)
Sven Lichtenberg (Germany)
Xavier Ohl (France)

SECEC QUALIFICATION COMMITTEE

Chairman
Markus Scheibel (Germany)

Members:
Raul Barco (Spain)
Ruth Delaney (Ireland)
Harry Georgousis (Greece)
Patric Raiss (Germany)
Marco Sammento (Portugal)
Marta Slezak (Poland)
Olivier Verborgt (Belgium)

SECEC REGISTRY COMMITTEE

Chairman
Carlos Torrens (Spain)

Members:
Lijkele Beimers (The Netherlands)
Luc Favard (France)
Jonathan Rees (UK)
Bjorn Salomonsson (Sweden)
Birgit Werner (Germany)
LOCAL ORGANIZING COMMITTEE

Alexandre Lädermann
Alain Farron

VENUE

CICG
International Conference Center
Rue de Varembé 17,
1211 Genève, Switzerland
http://www.cicg.ch/

MAIN CONTACT DETAILS

SECEC HEADQUARTERS
European Society for Surgery of the Shoulder and Elbow
Secretary: Sylvie Noël
69 Bld des Canuts
69004 Lyon
M. +33 683 17 86 13
sececoffice@gmail.com

TECHNICAL SECRETARIAT
General Information
Registration - Exhibition - Sponsorship
SECEC Meetings - TORRES PARDO
Nápolis, 187 2º
08013 Barcelona, Spain
Tel. +34 93 246 35 66
Fax. +34 93 231 79 72
info@secec-meetings.org

TORRES PARDO
Congress Management

LOCAL PCO
Accommodation - Social Events - Tours & Excursions
SYMPORG SA
Rue Rousseau 30
1201 - Genève
Switzerland
Tel. +41(0)22 839 84 84
info@symporg.ch
# Registration Fees

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

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

<table>
<thead>
<tr>
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<th>After July 1st</th>
<th>On site</th>
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<tbody>
<tr>
<td><strong>595€</strong></td>
<td><strong>680€</strong></td>
<td><strong>700€</strong></td>
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## Residents (access to the full congress – SECEC and EUSSER sessions)

<table>
<thead>
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<th>Before June 30th</th>
<th>After July 1st</th>
<th>On site</th>
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<tbody>
<tr>
<td><strong>330€</strong></td>
<td><strong>360€</strong></td>
<td><strong>390€</strong></td>
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## EUSSER sessions

<table>
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<th>Before June 30th</th>
<th>After July 1st</th>
<th>On site</th>
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<tbody>
<tr>
<td>Friday and Saturday</td>
<td><strong>140€</strong></td>
<td><strong>160€</strong></td>
<td><strong>180€</strong></td>
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<tr>
<td>Including Workshops</td>
<td><strong>170€</strong></td>
<td><strong>190€</strong></td>
<td><strong>210€</strong></td>
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</tbody>
</table>

The participant’s registration includes documentation, certificate of attendance, coffee breaks, access to the industrial exhibition, lunch on Saturday 22nd, 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 2018
- No refund for those cancellations received after August 1st 2018
GENERAL INFORMATION

REGISTRATION & ABSTRACT SUBMISSION
www.secec2018.com

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 2018 Welcome Cocktail will be held on Wednesday, 19th late afternoon after the Opening Ceremony.
[included in the registration fee]

Gala Dinner
SECEC 2018 Gala Dinner will be held on Friday, September 21st evening.
[not included in the registration fee]

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

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

SMOKING
SECEC 2018 is a non-smoking congress.

IMPORTANT DATES
Deadline for abstract submission: February 15th 2018
Deadline for early registration: July 1st 2018

REGISTRATION DESK
Participants can pick up their personal Congress material at the registration desk, which will be open as follows
Wednesday, 19th September: 15.30 - 19.30 h
Thursday, 20th September: 07.15 - 18.00 h
Friday, 21st September: 07.15 - 17.30 h
Saturday, 22nd September: 07.15 - 16.00 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 and accompanying persons are obliged to 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 19 - 22 September 2018 during the congress hours.

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

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

LIABILITY
By registering for the Congress and/or by participating in the exhibition joined to the Congress, participants and exhibitors agree that SECEC/ESSSE, the Organising Committee or the Congress Secretariat do not assume any responsibility for damage or injuries to persons or property during the Congress. Participants and exhibitors are advised to organize 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 to registered participants so as to enable participants to obtain visas for attending the Congress. These invitation letters cannot be considered as an offer of financial support by the organisers.
### Wednesday, September 19th

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
<th>Room 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.00 - 19.00h</td>
<td>OPENING CEREMONY</td>
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<tr>
<td>19.00 - 20.30h</td>
<td>WELCOME RECEPTION</td>
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### Thursday, September 20th

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
<th>Room 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>07.30 - 08.45h</td>
<td>SYMPOSIUM 1</td>
<td>ICL 3 Difficulties, risks and complications in shoulder arthroscopy. How to manage</td>
<td>ICL 2 Ask the registry</td>
<td>ICL 1 Updates in total elbow arthroplasty</td>
<td>JSES SESSION 1 Shoulder</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pierre Mansat, Nicole Pouliart</td>
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<tr>
<td>09.00 - 10.30h</td>
<td>Is there still a place for anatomic shoulder arthroplasty in 2018? P. Collin (France)</td>
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<tr>
<td>10.30 - 11.00h</td>
<td>Coffee Break</td>
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<tr>
<td>11.00 - 12.15h</td>
<td>Scientific Session 1</td>
<td>Scientific Session 2</td>
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<tr>
<td></td>
<td>ROTATOR CUFF 1</td>
<td>MISCELLANEOUS 1</td>
<td></td>
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<tr>
<td>12.15 - 12.45h</td>
<td>SECEC 2018 GUEST LECTURE</td>
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<tr>
<td>12.55 - 14.25h</td>
<td>LUNCH WORKSHOPS (industry sponsored)</td>
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<tr>
<td>14.30 - 16.00h</td>
<td>Scientific Session 3</td>
<td>Scientific Session 4</td>
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<tr>
<td></td>
<td>SHOULDER FRACTURES</td>
<td>BASIC SCIENCE</td>
<td></td>
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<tr>
<td>16.00 - 16.30h</td>
<td>Coffee Break</td>
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<tr>
<td>16.30 - 18.00h</td>
<td>Scientific Session 5</td>
<td>Scientific Session 6</td>
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<tr>
<td></td>
<td>SHOULDER INSTABILITY</td>
<td>ELBOW 1</td>
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<tr>
<td>18.00 h</td>
<td>Adjourn</td>
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<tr>
<td></td>
<td>Free evening</td>
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## Scientific Grid

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30 - 08:45 h</td>
<td>ICL 4 Glenoid replacement in total shoulder arthroplasty P. Raiss (Germany)</td>
<td>ROOM 1</td>
<td></td>
</tr>
<tr>
<td>09:00 - 10:30 h</td>
<td>ICL 5 Traumatic conditions of the radial humeral joint R. Van Riet (Belgium)</td>
<td>ROOM 4</td>
<td></td>
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<tr>
<td>10.30 - 11.00 h</td>
<td>Current knowledge in Clinical Examination and Radiographic Assessment of Glenohumeral Instability M. Zumstein (Switzerland)</td>
<td>ROOM 3</td>
<td></td>
</tr>
<tr>
<td>12.00 - 12.30 h</td>
<td>SECEC Presidential Guest Lecture</td>
<td>ROOM 18</td>
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<tr>
<td>12.40 - 14.10 h</td>
<td>LUNCH WORKSHOPS (Industry sponsored)</td>
<td>ROOM 1</td>
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<tr>
<td>14.15 - 15.45 h</td>
<td>Scientific Session 8 ROTATOR CUFF 2</td>
<td>ROOM 1</td>
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<tr>
<td>14.15 - 15.45 h</td>
<td>Scientific Session 9 ELBOW 2</td>
<td>ROOM 2</td>
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<tr>
<td>15.45 - 16.15 h</td>
<td>Coffee Break</td>
<td>ROOM 1</td>
<td></td>
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<tr>
<td>16.15 - 17.45 h</td>
<td>Scientific Session 10 REVERSE SHOULDER ARTHROPLASTY 1</td>
<td>ROOM 1</td>
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<tr>
<td>16.15 - 17.45 h</td>
<td>Scientific Session 11 MISCELLANEOUS 2</td>
<td>ROOM 2</td>
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<tr>
<td>17.45 - 19.15 h</td>
<td>SECEC GENERAL ASSEMBLY</td>
<td>ROOM 1</td>
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<tr>
<td>20.30 h</td>
<td>SECEC 2018 - Gala Dinner</td>
<td>ROOM 1</td>
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</table>

### Friday, September 21st

<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
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<tbody>
<tr>
<td>07.30 - 08.45 h</td>
<td>SYMPOSIUM 2 Healthcare economics E. Calvo (Spain)</td>
<td>ROOM 1</td>
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<tr>
<td>09.00 - 10.30 h</td>
<td>National Societies Best Paper Prize Juan Bagueira (Spain)</td>
<td>ROOM 1</td>
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<tr>
<td>11.00 - 12.00 h</td>
<td>Scientific Session 7 REHABILITATION</td>
<td>ROOM 2</td>
<td></td>
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<tr>
<td>12.00 - 12.30 h</td>
<td>SECEC Presidential Guest Lecture</td>
<td>ROOM 1</td>
<td></td>
</tr>
<tr>
<td>12.40 - 14.10 h</td>
<td>LUNCH WORKSHOPS (Industry sponsored)</td>
<td>ROOM 1</td>
<td></td>
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<tr>
<td>14.15 - 15.45 h</td>
<td>Scientific Session 8 ROTATOR CUFF 2</td>
<td>ROOM 1</td>
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<tr>
<td>14.15 - 15.45 h</td>
<td>Scientific Session 9 ELBOW 2</td>
<td>ROOM 2</td>
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<tr>
<td>15.45 - 16.15 h</td>
<td>Coffee Break</td>
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<tr>
<td>16.15 - 17.45 h</td>
<td>Scientific Session 10 REVERSE SHOULDER ARTHROPLASTY 1</td>
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<tr>
<td>16.15 - 17.45 h</td>
<td>Scientific Session 11 MISCELLANEOUS 2</td>
<td>ROOM 2</td>
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<tr>
<td>17.45 - 19.15 h</td>
<td>SECEC GENERAL ASSEMBLY</td>
<td>ROOM 1</td>
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<tr>
<td>20.30 h</td>
<td>SECEC 2018 - Gala Dinner</td>
<td>ROOM 1</td>
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</table>
### Scientific Grid

<table>
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<tr>
<th>Time</th>
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<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
<th>Room 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:30 - 08:45</td>
<td>Scientific Session 12</td>
<td>ICL 7 From the Grammont prosthesis to the modern reverse total shoulder arthroplasty design: Effects on clinical and radiographic outcomes</td>
<td>ICL 9 Navigation, Robotics and Virtual Reality in Shoulder Surgery: the present and the future</td>
<td>ICL 8 Chronic elbow dislocations: What can be done?</td>
<td></td>
</tr>
<tr>
<td>09:00 - 10:30</td>
<td>ANATOMIC SHOULDER ARTHROPLASTY</td>
<td>YOUNG FORUM SESSION</td>
<td></td>
<td>EUSSER SYMPOSIUM Keynote Session</td>
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<tr>
<td>10:30 - 11:00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td>EUSSER SYMPOSIUM Scientific Papers Session</td>
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<tr>
<td>11:00 - 11:50</td>
<td>AWARD SESSION Emilio Calvo (Spain)</td>
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<tr>
<td>12:00 - 12:50</td>
<td>INVITED SOCIETIES SESSION</td>
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<tr>
<td>12:50 - 13:40</td>
<td>Lunch Break at the Exhibition Area</td>
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<tr>
<td>13:40 - 15:15</td>
<td>Scientific Session 13 REVERSE SHOULDER ARTHROPLASTY 2</td>
<td></td>
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<td>EUSSER SYMPOSIUM AGM (14.00-15.00h)</td>
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<tr>
<td>15:15 - 16:15</td>
<td>Scientific Session 14 NEW TECHNIQUES, TIPS &amp; TRICKS</td>
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<td>EUSSER SYMPOSIUM WORKSHOPS (Check the rooms) (15.00-16.00h)</td>
</tr>
<tr>
<td>16:15 h</td>
<td>Closing Remarks</td>
<td></td>
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<td>Coffee Break</td>
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<tr>
<td>16:30 - 17:30</td>
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<td></td>
<td>EUSSER SYMPOSIUM WORKSHOPS (Check the rooms) (16.30-17.30h)</td>
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</table>
### SHOULDER ANTERIOR AND POSTERIOR INSTABILITY

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philipp Moroder</td>
<td>Germany</td>
<td>Functional Shoulder Instability</td>
</tr>
<tr>
<td>Lionel Neyton</td>
<td>France</td>
<td>Trillat procedure for the treatment of recurrent anterior instability of the shoulder after 50 years old</td>
</tr>
<tr>
<td>Pascal Boileau</td>
<td>France</td>
<td>Arthroscopic Latarjet Procedure Using Cortical-Buttons Fixation</td>
</tr>
<tr>
<td>Alexander Van Tongel</td>
<td>Belgium</td>
<td>Posterior Shoulder Dislocation. Reduction Techniques</td>
</tr>
</tbody>
</table>

### SHOULDER CUFF, FRACTURE, PROSTHESIS

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruth A. Delaney</td>
<td>Ireland</td>
<td>SCR Using Xenograft For Irreparable Posterosuperior Cuff Tear</td>
</tr>
<tr>
<td>Nina Maziak</td>
<td>Germany</td>
<td>Arthroscopic Reduction And Fixation Of Large Anteroinferior Glenoid Rim Fractures</td>
</tr>
<tr>
<td>Ruth A. Delaney</td>
<td>Ireland</td>
<td>Posterior Labral Repair Plus Arthroscopic Reduction And Fixation Of Anterior Glenoid Fracture</td>
</tr>
<tr>
<td>Falk Reuther</td>
<td>Germany</td>
<td>Modular Anatomical Fracture Hemi-Prosthesis</td>
</tr>
<tr>
<td>Max J. Käüb</td>
<td>Germany</td>
<td>Conversion Fracture-Hemi To Reverse Shoulder Arthroplasty</td>
</tr>
<tr>
<td>Robert Hudek</td>
<td>Germany</td>
<td>Pyrocarbon Interposition Shoulder Arthroplasty In Advanced Collapse Of The Humeral Head</td>
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<tr>
<td>Laurent B. Willemot</td>
<td>Belgium</td>
<td>Total Shoulder Arthroplasty In B2 Type Glenoids</td>
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### ELBOW

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael C. Glanzmann</td>
<td>Switzerland</td>
<td>Anconeus Interposition Arthroplasty</td>
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<tr>
<td>Laurent B. Willemot</td>
<td>Belgium</td>
<td>Arthroscopic Evaluation And Treatment Of Acute Elbow Instability</td>
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<tr>
<td>Davide Blonna</td>
<td>Italy</td>
<td>The Elbow- Latarjet</td>
</tr>
<tr>
<td>Alessandro Marinelli</td>
<td>Italy</td>
<td>Capitellar And Trochlear Fracture Fixation Technique</td>
</tr>
</tbody>
</table>
SCIENTIFIC PROGRAM
INSTRUCTIONAL COURSE LECTURE 1

UPDATES IN TOTAL ELBOW ARTHROPLASTY
Chair: Jeno Kiss
ROOM 4 · 07:30 - 08:45

Design rationale and surgical approaches
Alberto Schneeberger, Switzerland
Rheumatoid arthritis and total elbow arthroplasty
Michael Thomas, UK
Post-trauma and trauma conditions and total elbow arthroplasty
Jeno Kiss, Hungary
Revision total elbow arthroplasty and bone grafting
Pierre Mansat, France
Complications and results related to design and indication
Bo Sanderhoff Olsen, Denmark

INSTRUCTIONAL COURSE LECTURE 2

ASK THE REGISTRY
Chair: Carlos Torrens
ROOM 3 · 07:30 - 08:45

The European Registries, the type of information they collect
Lijkele Beimers, The Netherlands
Shoulder Arthroplasty Anatomical design will survive in Europe, but with changes
Björn Salomonsson, Sweden
The evidence in Registry data to support the changes in use of shoulder arthroplasty
Jeppe Vølgaard Rasmussen, Denmark
Patient age and the effect on outcome with different implants
Jonathan Rees, UK
Neck/shaft angle in RSA, differences in complication and revision rate
Birgit Werner, Germany
Interactive session to decide shortlist of specific questions for future registry ICL 2018 and 2019
Luc Favard, France & Carlos Torrens, Spain

INSTRUCTIONAL COURSE LECTURE 3

DIFFICULTIES, RISKS AND COMPLICATIONS IN SHOULDER ARTHROSCOPY. HOW TO MANAGE
Chair: Laurent Lafosse
ROOM 2 · 07:30 - 08:45

Arthroscopic visualization: how to avoid risk and complications
Jens Agneskirchner, Germany
Difficulties, risk and complications in arthroscopic treatment for shoulder instability
Emilio Calvo, Spain
Difficulties, risk and complications in arthroscopic tendon transfer
Viktoras Jermolajevas, Lithuania
Difficulties, risk and complications in traumatic shoulder arthroscopic treatment
Markus Scheibel, Germany
Neurologic, risk and complications in arthroscopic shoulder surgery
Philippe Valenti, France
Vascular, risk and complications in arthroscopic shoulder surgery
Laurent Lafosse, France

JSES SESSION 1

SHOULDER
Chairs: Pierre Mansat, Nicole Pouliart
ROOM 18 · 07:30 - 08:45

Standard versus bony increased-offset reverse shoulder arthroplasty: a retrospective comparative cohort study
Collin P, Liu X, Denard P J, Gain S, Nowak A, Lädermann A.

Angled BIO-RSA (bony-increased offset-reverse shoulder arthroplasty); a solution for the management of glenoid bone loss and erosion.
Boileau P, Morin-Salvo N, Gauci MO, Seeto BL, Chalmers PN, Holzer N, Walch G.

Does arm lengthening affect the functional outcome in onlay reverse shoulder arthroplasty?
Werner BS, Ascione F, Bugelli G, Walch G.
SCIENTIFIC PROGRAM
Thursday, September 20th

SYMPOSIUM I

IS THERE STILL A PLACE FOR ANATOMIC SHOULDER ARTHROPLASTY IN 2018?
Chair: Philippe Collin
ROOM 1  · 09:00  - 10:30

Retroversion / Subluxation which are the land marks to switch from anatomic to reverse?
Birgit Werner, Germany

Muscles and tendons quality are requested for anatomic arthroplasty. Over 75 years old should we always go for a reverse?
Tjarco Alta, The Netherlands

Arthritis after instability with subscapularis disorder
Matthias Zumstein, Switzerland

Which is the best compromise for young patients (hemi/total/peg/keel/metal back/ pyrocarbon?)
Giuseppe Porcellini, Italy

Is fracture sequelae an indication for anatomic?
Joaquin Sanchez Sotelo, USA

SCIENTIFIC SESSION I

ROTATOR CUFF I
Chairs: Przemislaw Lubiatowski, Alain Farron
ROOM 1  · 11:00  - 12:15

Clinical and radiological effects of Platelet-Rich Plasma on interstitial supraspinatus lesion: A randomized, double-blind, controlled trial
Adrien Jean-Pierre Schwitzguebel1, Frank Christophe Kolo2, Jerome Tiefert2, Abed Kourhan4, Alexandra Nowak5, Vincent Gremeaux6, Alexandre Laedermann5
1. Division of Orthopaedics and Trauma Surgery, La Tour Hospital, Meyrin, Switzerland; Division of physical medicine and rehabilitation, CHUV, Lausanne, Le Mont-Sur-Lausanne, Switzerland
2. Department of Radiology, Geneva University Hospitals, Geneva, Switzerland

Pre-operative microfracture in arthroscopic cuff repair: a prospective randomized controlled trial
Peter Lapner1, Odette Laneuville2, Hans K Uththoff3, Tinghua Zhang4, Lisa Howard5, J Pollock5, Sara Ruggiero3, Guy Trudel6
1. Ottawa Hospital Research Institute, Ottawa, Canada
2. University of Ottawa, Ottawa, Canada

Perianchor cyst formation of various material compositions after rotator cuff repair - All-suture, PEEK, and biocomposite anchors
Tae Hun Kim1, Sae Hoon Kim2, Seok Hoon Yang3, Sung-Min Rhee4, Kwang Jin Lee1, Jo Han Oh5, Hyong Suk Kim2
1. Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seoul, South Korea
2. Seoul National University Hospital, Seoul National University College of Medicine, Seoul, South Korea
3. Seoul National University Bundang hospital, Sung Nam City, South Korea

Early mobilization following arthroscopic rotator cuff repair; a single-blind, randomized control trial
Martin Bouliane1, Anelise Silveira, Fiona Styles-Tripp, Lauren Beaupre, Robert Balyk, Aleem Lalani, Robert Glasgow, Joseph Bergman, David Sheps
Alberta Health Services, Edmonton, Canada

Comparison of clinical outcome between patients with complete (Sugaya Type I) and incomplete healed tendon (Types II / III) after rotator cuff repair
Hirokazu Honda1, Masafumi Gotoh1, Yasuhiro Mitsui2, Naoto Shiba2
1. Kurume Medical Center, Kurume, Japan
2. Kurume University, Kurume, Japan
11:40 - 11:48
Long term outcomes of arthroscopic rotator cuff repair: functional and radiological results at 10-years follow-up
Davide Cucchi1, Alessandra Menon2, Francesca Maria Feraldi2, Manuel Mazzoleni3, Gianvito Santarsiero4, Carlo Alberto Stoppani2, Paolo Angelo Arrigoni2, Elisabetta Nocerino2, Alberto Aliprandi6, Dieter Christian Wirtz1, Pietro Simone Randelli2
1. Department of Orthopaedics and Trauma Surgery, Universitätsklinikum Bonn, Bonn, Germany
2. Laboratory of Applied Biomechanics, Department of Biomedical Sciences for Health, Università degli Studi di Milano, Milano, Italy
3. Università degli Studi di Milano, Milano, Italy
4. U.O.C. ‘a Divisione, Azienda Socio Sanitaria Territoriale Centro Specialistico Ortopedico Traumatologico Gaetano Pini-CTO, Milano, Italy
5. IRCCS Policlinico San Donato, San Donato, Italy
6. Istituti Clinici Zucchi, Monza, Italy

11:48 - 11:56
The effect of acromial morphology on functional outcomes in the surgery of degenerative rotator cuff tears
Yener Yogun1, Mehmet Arangilı2, Çagdas Hakki Basat3
1. Department of Orthopaedic Surgery and Traumatology, Ankara University School of Medicine, Ankara, Turkey
2. Department of Orthopaedic Hand Surgery, Ankara University School of Medicine, Ankara, Turkey
3. Department of Orthopaedic and Traumatology, Ahi Evran University School of Medicine, Kirsehir, Turkey

11:56 - 12:04
Options for non-repairable rotator cuff ruptures: Comparison of superior capsular reconstruction and partial infraspinatus repair
Stefan Greiner1, Johannes Talartschik1, Pia Ahlers1, Pia Staudacher1, Max Kääb1
1. Sporthopaedicum Regensburg, Regensburg, Germany
2. Sporthopaedicum Straubing, Straubing, Germany

12:04 - 12:12
Long-term outcome of pectoralis major transfer for the treatment of irreparable sub-scapularis tears: An update 20 years postoperatively
Lukas Ernstbrunner, Karl Wieser, Paolo Fornaciari, David Bauer, Sabrina Catanzaro, Christian Gerber
Balgrist University Hospital, Zurich, Switzerland
11:40 - 11:48
Diagnosing chronic periprosthetic infection of the shoulder with 18F-FDG PET CT
Thomas Falstie-Jensen¹, Jeppe Lange², Janne Ovesen³, Bo Sanderhoff Olsen⁴, Anne Kathrine Belling Sørensen⁴, Bo Zerah¹, Kjeld Søballe¹, Lars Christian Gormsen⁴
¹. Aarhus University Hospital, Aarhus, Denmark
². Horsens Hospital, Aarhus, Denmark
³. Herlev Hospital, Aarhus, Denmark

11:48 - 11:56
Are functional outcomes after surgical treatment of acromioclavicular dislocation related to restoration of a normal articular anatomy?
Guillaume Villatte, Hicham Riouach, Roger Erivan, Stéphane Descamps, Stéphane Boisgard
Clermont-Ferrand University Hospital (CHU), Clermont-Ferrand, France

11:56 - 12:04
Appropriate care in orthopedic patients: Effectivity of a new guideline for diagnosis and treatment of Subacromial Pain Syndrome
Egbert Jd Veen, Martin Stevens, Ron L Diercks
University Medical Center Groningen, Groningen, The Netherlands

12:04 - 12:12
Primary stability of an acromioclavicular joint repair is affected by the type of additional reconstruction of the acromioclavicular capsule
Felix Dyrna¹, Florian B Imhoff², Andreas B Imhoff², Sepp Braun², Augustus D Mazzocca³, Kaut Betzel³
¹. Department of Orthopaedic Sportsmedicine, Technical University, Munich, Germany
². Gelenkpunkt, Sport- und Gelenchirurgie Innsbruck, Innsbruck, Austria
³. Department of Orthopaedic Surgery, University of Connecticut, Farmington, Connecticut, United States

14:30 - 14:38
Socioeconomical status influence in proximal humeral fractures outcomes. A multicentric study
Joan Miguel⁴, Elisa Cassart⁴, Fernando Santana⁵, Carlos Torres⁶
¹. Consorci Sanitari de l’Anoia, Igualada, Spain
². Hospital Germans Trias i Pujol, Badalona, Spain
³. Parc de Salut Mar, Barcelona, Spain

14:38 - 14:46
Immediate intensive mobilization compared with immediate conventional mobilization for the impacted osteoporotic conservatively treated proximal humeral fracture. A randomized controlled trial
Stefano Carbone¹, Cristina Razzano², Paolo Albino², Riccardo Mezzoprete¹
¹. Ospedale San Camillo de Lellis, Rieti, Italy
². Centro Medico Erre, Sant’Agata Dei Goti, Benevento, Italy
³. Casa di Cura Città di Aprilia, Aprilia (It), Italy

14:46 - 14:54
Novel radiographic parameters for proximal humerus arthroplasty for fractures do not affect clinical outcome
Ken Lee Puah, Isaac Kor Wei Ng, Justine Yun Yu Lee, Denny Tijauw Tjoen Lie
Department of Orthopaedic Surgery, Singapore General Hospital, Singapore

14:54 - 15:02
Proximal humeral fracture locking plate fixation in patients over 70 with a short cemented screws configuration is reliable and safe.
Natalia Martinez Catalán, María Valencia, Diana Morcillo, Emilio Calvo, Antonio M Foruria
Fundació Jiménez Díaz, Madrid, Spain

15:02 - 15:10
Displaced 3- and 4- part proximal humeral fractures: A prospective randomized study comparing intramedullary nail and locking plate.
Patrick Boyer, Ruben Dukan, Ledinot Pauline, Marc-Antoine Rousseau
APHP, Paris, France
15:10 - 15:18
Risk of revision and clinical failure after hemiarthroplasty for acute proximal humeral fracture: Short-term outcome in 2,750 hemiarthroplasties
Alexander Amundsen, Jeppe Vejlgaard Rasmussen, Bo Sanderhoff Olsen, Stig Bronson
1. Gentofte Hospital, Gentofte, Denmark
2. Zealand University Hospital, Køge, Denmark

15:18 - 15:26
Do additional radiographs in isolated greater tuberosity fractures lead to a change in treatment recommendation?
1. OLVG, Amsterdam, The Netherlands
2. Massachusetts General Hospital, Boston, United States
3. Academic Medical Center of the University of Amsterdam, Amsterdam, The Netherlands

15:26 - 15:34
Functional outcomes and clinical strength assessment after infraspinatus sparing surgical approach to scapular fracture. Does it really make a difference?
Giuseppe Porcellini, Paolo Paladini, Giovanni Merolla, Antonio Capone, Stefano Congia
1. Unit of Shoulder and Elbow Surgery - Cervesi Hospital, Cattolica, Italy
2. Clínica Ortopédica - Università di Cagliari, Cattolica, Italy

15:34 - 15:42
Epidemiology, treatment and associated lesions in hospital-admitted patients with proximal humeral fractures from 2000-2015
Daniela Linhares, Mariana Cunha Ferreira, Nuno Neves, Manuel Gutierrez, PedroNEGrao, Manuel Ribeiro Da Silva
Centro Hospitalar São João, Porto, Portugal

15:42 - 15:50
Is serial radiographic evaluation of patients with a 1-part proximal humerus fracture necessary at routine follow-up time points?
Matthijs Jaccsens, Jeremias Schmid, Bernhard Jost, Christian Spross
Kantonsspital St. Gallen, St. Gallen, Switzerland

15:50 - 15:58
Osteosynthesis with autologous dual bone graft for symptomatic clavicle mid-shaft nonunion
Sungipon Lim, Jae-Myung Chun, In-Ho Jeon
Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan, Seoul, South Korea

14:30 - 14:38
Enhancement of chronic rotator cuff tear healing using three-dimensional bio-printed patch with mesenchymal stem cells in a rat model
Yucheng Sun, Suhun Chae, Jeannan Kawk, Inho Jeon, Dongwoo Cho
1. Asan Medical Center, Seoul, South Korea
2. Pohang University of Science and Technology, Pohang, South Korea
3. Pohang university of science and technology, Pohang, South Korea

14:38 - 14:46
Challenging the current concept of critical glenoid bone loss in shoulder instability: does the size measurement really tell it all?
Philipp Moroder, Mohammad Khatamirad, Elisabeth Böhm, Philipp Damm, Guido Wierer, Marvin Minkus, Fabian Plachet, Markus Scheibel
1. Charité Universitätsmedizin, Berlin, Germany
2. PMU, Salzburg, Austria

14:46 - 15:02
Automated 3D MRI allows for accurate evaluation of glenoid bone loss as compared to 3D CT
Rush University Medical Center, Chicago, United States
Tensioning of the superior capsule reconstruction graft improves shoulder function biomechanically
Felix Dyrna1, Knut Beitzel1, Andreas B Imhoff1, Bastian Scheiderer1, Augustus D Mazzocca2
1. Department of Sports Orthopedics, Technical University Munich, Munich, Germany
2. Department of Orthopedic Surgery, University of Connecticut, Farmington, Connecticut, USA

Regional and observer differences in determination of the humeral anatomic neck in 3D-CT models
Duno Molinari1, Florian Coigny1, Lukas Zwicky1, Ariane Gerber Popp1, Heath Byron Henning1, Thomas Suter1
1. Kantonsspital Baselland, Liestal, Switzerland
2. Department of Orthopedics, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States

Biomechanical comparison of screw fixation versus a cortical button and self-tensioning suture for the Latarjet procedure
Matthew T. Provencher, Zachary S. Aman, Christopher M. Laprade, Andrew S. Bernhardson, Gilbert Moatshe, Hunter W. Storaci, Jorge Chahla, Travis L. Turnbull, Robert F. Laprade
Steadman Philippon Research Institute, Vail, United States

The influence of mesenchymal stem cells on tendon-to-bone-healing by attaching bursal tissue to rotator cuff tears in an animal model
Anja Z. Zhang, Andreas Ficklscherer, Thomas Beer, Mehmet Gülecyüz, Matthias Pflieschmann, Volkmar Janisson, Peter E. Müller
Department of Orthopaedics, Physical Medicine and Rehabilitation, LMU Munich, Munich, Germany

Which cell populations are involved in rotator cuff enthesis healing and scar tissue formation? Genetic lineage tracing of targeted cell populations
Helen L Moser1, Anton Ph Doe1, Kristen M Sochol1, Matthias A Zumstein1, Leesa M Galatz2, Alice H Huang1
1. Department of Orthopaedics, Icahn School of Medicine at Mount Sinai, New York, United States
2. Shoulder, Elbow and Orthopaedic Sports Medicine, University of Bern, Inselspital, Bern, Switzerland

Relationships of scapular coordinate systems to determine glenoid centre: Application to glenoid fixation in shoulder arthroplasty
Ashish Gupta, Nikolaos K Knowles, George S Athwal, Louis M Ferreira

Biomechanical comparison of two augmented glenoid designs: A finite element analysis
Venk Sabesan1, James D Whaley2, Varun Pathak2, Liying Zhang2, Diego I. Lima1
1. Cleveland Clinic Florida, Weston, Fl, United States
2. Wayne State University, Detroit, Mi, United States

Arthroscopic Latarjet: Suture-button fixation is a safe and reliable alternative to screw fixation
Pascal Boileau1, David Saliken2, Patrick Gendre3, Brian L. Seeto4, Thomas D’Ollonne5, Jean-François Gonzalez6
1. Hôpital Pasteur 2 - IULS, Nice, France
2. University of Alberta, Edmonton, Canada
3. IM2S, Monaco, Monaco
4. The Core Institute, Phoenix, United States

 Shall we predict failure of posterior shoulder instability stabilization?
Geoffroy Nourissat1, Marie Béatrice Hardy2, Jérome Garret3, Pierre Mansat4, Arnaud Godeneche5, SFA French Society Of Arthroscopy6
1. Groupe Maussins, Paris, France
2. Hôpital mutualiste, Saint Etienne, France
3. Clinique du Parc, Lyon, France
4. CHU, Toulouse, France
5. Sante, Lyon, France
6. SFA, Paris, France
16:46 - 16:54
Arthroscopic Latarjet: Graft positioning is not equivalent with standard open technique. A 2DCT scan comparative study.  
Neyton Lionel1, Johannes Barth2, Geoffroy Nourissat3, Pascal Boileau4, Gilles Walch1, Laurent Lafosse6  
1. Centre Orthopédique Santy, Lyon, France  
2. Centre Osteoarticulaire des Cèdres, Echirolles, France  
3. Clinique Maussins-Nollet, Paris, France  
4. CHU de Nice, Nice, France  
5. Clinique Générale Anney, Annecy, France  
16:54 - 17:02
Is Bankart repair still valid? Long-term results of the French experience  
Geoffroy Nourissat1, Alexandre Hardy2, Hervé Thomazeau3, Tristan Langlais4, Olivier Herisson5, Jordane Mouton6, Jonathan Curado7  
1. Groupe Maussins, Paris, France  
2. APHP, Paris, France  
3. CHU, Rennes, France  
4. CHU, Paris, France  
5. CHU, Caen, France  
6. CHU, Grenoble, France  
7. Hôpital de l’Estuaire, Le Havre, France  
17:02 - 17:10
Impact of remplissage on shoulder function: A minimum 10-year follow-up  
Geoffroy Nourissat1, Claire Bastard2, Julien Gaillard3, Olivier Herisson6  
1. Groupe Maussins, Paris, France  
2. Hôpital Saint Antoine APHP, Paris, France  
17:10 - 17:18
Long-term results of the open Latarjet procedure for recurrent anterior shoulder instability in patients older than 40 years  
Lukas Ernstbrunner, Lara Wartmann, Stefan Zimmermann, Pascal Schenk, Christian Gerber, Karl Wieser  
University Hospital Balgrist, Zurich, Switzerland  
17:18 - 17:26
Revision of Latarjet by Eden Hybinette surgical technique  
Pierre-Henri Flurin1, Maxime Anton2, Pierre Metais3, Richard Aswad4  
1. Bordeaux Merignac Sport Clinic, Merignac, France  
2. Strasbourg Hospital, Illkirch, France  
3. La Chataignerale clinic, Beaumont, France  
4. Institute of orthopedic and sport surgery, Marseille, France  
17:26 - 17:34
Arthroscopic stabilization after a first-time dislocation collision versus contact athletes  
Maximiliano Raneletta, Luciano A Rossi, Ignacio Alonso, Sirio Sirio, Juliesta Puig Dubois, Gaston Maignon, Santiago L Rongiovanni  
Hospital Italiano de Buenos Aires, Buenos Aires, Argentina  
17:34 - 17:42
Abduction-external-rotation-immobilization vs. arthroscopic stabilization after primary traumatic anterior shoulder dislocation  
Marvin Minkus1, Matthias Königshausen2, Dirk Maier3, Alexander Henze4, Thomas Steir5, Stefan Greiner6, Markus Scheibel6  
1. Center for Musculoskeletal Surgery, Charité-Universitätsmedizin Berlin, Germany  
2. Department of Trauma Surgery, University Hospital Bergmannsheil Bochum, Germany  
3. Department for Orthopaedics and Traumatology, University Hospital Freiburg, Germany  
4. Sportsclinic Stuttgart, Stuttgart, Germany  
5. Sport Orthopaedics, Knee- and Shoulder Surgery, BGU Frankfurt am Main, Germany  
6. Sporthopaedicum Regensburg, Germany  
17:42 - 17:50
Is posterior shoulder instability correlated with glenoid retroversion?  
Yon-Sik Yoo Seung-Jin Lee, Ji-Hoon Nam  
Hallym University Dontan Sacred Heart Hospital, Hwasungsi, South Korea  
17:50 - 17:58
Does preoperative posterior glenoid cartilage wear predict poor outcomes in structural dynamic posterior instability treated by arthroscopic soft tissue repair?  
Albert Ferrando1, Cristian Aravena2, Ulrike Novo2, Beatriz Alvarez2, Maria Valencia Mora2, Emilio Calvo2  
1. Hospital Universitari i Politecnico La Fe, Valencia, Spain  
2. Fundacion Jimenez Diaz, Madrid, Spain
**Seccesessse Congress**  
**European Society for Surgery of the Shoulder and the Elbow**  
**Geneva 2018 · Switzerland · September 19-22**

**Scientific Program**  
**Thursday, September 20th**

### Scientific Session VI

**Elbow I**  
**Chairs:** Raul Barco, Alberto Schneeberger  
**Room 2 · 16:30 - 18:00**

**16:30 - 16:38**  
Long-term clinical results in patients treated with arthroscopic release for elbow stiffness.  
*Taj Haubuf, Janne Ovesen*  
Aarhus University Hospital, Aarhus, Denmark  
**16:38 - 16:46**  
Prospective study of MRI findings in simple elbow dislocation  
*Toni Luokkala¹, Subhasis Basu², David Temperley², Teemu Karjalainen², Adam Watts²*  
¹. Central Finland Central Hospital, Jyväskylä, Finland  
². Wrightington Hospital, Wigan, United Kingdom

**16:46 - 16:54**  
Thoracic Outlet Syndrome is common pathology among throwing athletes suffering from dominant elbow pain  
*Tetsuya Takenaga¹, Kozo Furushima¹, Tadanao Funakoshi², Hiroshi Kusano³, Azusa Miyamoto³, Yuya Itoh³, Yoshiyasu Itoh³*  
¹. Keiyu Orthopaedic Hospital, Sports Medical Center, Tatebayashi, Japan  
². Department of Rehabilitation, Keiyu Orthopaedic Hospital, Tatebayashi, Japan

**16:54 - 17:02**  
Clinical comparison of triceps-sparing and triceps-detaching approaches for revision total elbow arthroplasty  
*Martijn Solarz², Mahash Patel³, Aimee Struk³, Robert Matthias³, Joseph King³, Thomas Wright³, Bradley Schoch³*  
¹. Temple, Philadelphia, United States  
². University of Florida, Gainesville, United States

**17:02 - 17:10**  
Outcomes following revision of the revision elbow arthroplasty  
*Peter Domos, Sachin Patel, Madhavan Papanna, David Stanley, Amjid Ali*  
Northern General Hospital, Sheffield, Sheffield, United Kingdom

**17:10 - 17:18**  
Arthroscopic Debridement Arthroplasty (ADA) for haemophilic arthropathy of the elbow  
*Kozo Shimada¹, Ko Temporin¹, Keiichiro Oura¹, Hideyuki Takedani²*  
¹. JCHO Osaka Hospital, Osaka, Japan  
². Institute of Medical Science, University of Tokyo, Tokyo, Japan

**17:18 - 17:26**  
Open versus arthroscopic elbow arthrolysis for posttraumatic elbow contracture – Comparative study  
*Marta Slezak, Joanna Walcka, Jakub Stefaniak, Przemyslaw Lubiatowski*  
Department of Traumatology, Orthopaedics and Hand Surgery, Poznan University of Medical Sciences; Rehasport Clinic, Poznan, Poland

**17:26 - 17:34**  
Is there a place for radiocapitellar arthroplasty? – A consecutive case series with 2 – 6 years follow-up  
*Christian Spors¹, Wouter Jak², Roger Van Riet³*  
¹. Kantonsspital St. Gallen, St. Gallen, Switzerland  
². AZ Monica, Antwerpen, Belgium

**17:34 - 17:42**  
Mid- to long-term outcomes of total elbow arthroplasty using triceps-sparing ulnar approach  
*Naoki Suenaga¹, Naomi Ozumi¹, Chika Yoshioka², Shintaro Yamane², Isoya Goya²*  
¹. Upper Extremity Center of Joint Replacement and Endoscopic Surgery, Orthopedic Hokushin Hospital, Sapporo, Japan  
². Department of Orthopaedic Surgery, University of The Ryukyus, Okinawa, Japan

**17:42 - 17:50**  
Defect size decreases and subchondral bone partially restores on Computed Tomography after arthroscopic debridement and microfracture for osteochondritis dissecans of the capitellum  
*Rens Bexkens¹, Christiana J.A. Van Bergen², Michel P.J. Van Den Bekerom³, Gino M.M.J. Kerkhoffs¹, Denise Eygendaal⁴*  
¹. Academic Medical Center, Amsterdam, The Netherlands  
². Amphia Hospital, Breda, The Netherlands  
³. Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands

**17:50 - 17:58**  
Operative treatment of coronoid fractures: Functional outcome and complications  
*Samuel Antuna, Eloy Tabeayo, Raul Barco*  
Hospital Universitario La Paz, Madrid, Spain
### INSTRUCTIONAL COURSE LECTURE 4

**GLENOID REPLACEMENT IN TOTAL SHOULDER ARTHROPLASTY**  
*Chair: Patric Raiss*  
*RooM 2 · 07:30 - 08:45*

Preoperative planning of the arthritic glenoid: why we should always do it  
George Athwal, Canada

The use of PSI in total shoulder arthroplasty: benefits, procedure and costs.  
Pascal Boileau, France

Uncemented glenoid implants in anatomic TSA: why and how this will be the future  
Alex Castagna, Italy

Cemented glenoid implants in TSA: why it is still the “gold standard”  
Bernhard Jost, Switzerland

The challenging, bone-deficient glenoid: which implant concept is the best?  
Patric Raiss, Germany

Glenoid erosion in osteoarthritis: when should we use RSA?  
Anders Ekelund, Sweden

### INSTRUCTIONAL COURSE LECTURE 5

**TRAUMATIC CONDITIONS OF THE RADIAL HUMERAL JOINT**  
*Chair: Roger van Riet*  
*RooM 4 · 07:30 - 08:45*

Relevant anatomy and biomechanics  
Michael van den Bekerom, The Netherlands

Overview of classification systems and their clinical application  
Alexander Van Tongel, Belgium

Osteosynthesis: Indication, options and limitations  
Christian Spross, Switzerland

Arthroscopic treatment of radial head and associated lesions  
Roger Van Riet, Belgium

Radial head arthroplasty  
Raul Barco, Spain

Revision of failures  
Adam Watts, UK

Panel discussion of cases

### INSTRUCTIONAL COURSE LECTURE 6

**CURRENT KNOWLEDGE IN CLINICAL EXAMINATION AND RADIOGRAPHIC ASSESSMENT OF GLENOHUMERAL INSTABILITY**  
*Chair: Matthias Zumstein*  
*RooM 3 · 07:30 - 08:45*

Current knowledge of Clinical Examination of Antero-Inferior Instability  
Matthias Zumstein, Switzerland

Current knowledge of Clinical Examination of Postero-inferior Instability  
Arnaud Godeneche, France

Current knowledge of functional Shoulder Instability  
Philip Moroder, Germany

Current knowledge of “critical bone loss” Assessment of the Antero-Inferior and Postero-Inferior Shoulder Instability  
Tony Romeo, USA

### JSES SESSION 2

**ELBOW**  
*Chairs: Pierre Mansat, Samuel Antuña*  
*RooM 18 · 07:30 - 08:45*

Elbow arthrodesis for post-traumatic sequelae: surgical tactics using the Ilizarov frame  
Sala F, Catagni M, *Phil D*, Capitani P.  

Outcome after total elbow arthroplasty: a retrospective study of 167 procedures performed from 1981 to 2008.  
Plaschke HC, Thilemann TM, Bronson S, Olsen BS.  

The management of infected elbow arthroplasty by two-stage revision  
Rudge WBJ, Eseonu K, Brown M, Warren S, Majed A, Bayley IL, Lambert SM, Higgs D, Falworth M.  
Friday, September 21st

SYMPOSIUM II

HEALTHCARE ECONOMICS
Chair: Emilio Calvo
ROOM 1 · 09:00 - 10:30

Conflicts between clinical and health economic perspectives
Amar Rangan, UK
Aligning clinical evidence based data and health economics in shoulder and elbow surgery: The national health systems' perspective
Andrew Carr, UK
PSI, new prosthetic designs, double row, arthroscopic Latarjet and many more: Integrating new technical developments and economic efficiency
Christian Gerber, Switzerland
How should shoulder and elbow surgical procedures be funded: The american perspective
Anthony Romeo, USA, ASES President
Issues with surgeons and health compliance: The new scenario in Europe
Serge Bernasconi, Belgium, CEO MedTech Europe

NATIONAL SOCIETIES BEST PAPER SESSION

Chairs: Juan Bruguera, Matthias Flury
ROOM 1 · 11:00 - 12:00

SCIENTIFIC SESSION VII

REHABILITATION
Chairs: Pericles Papadopoulos, Georges Kohut
ROOM 2 · 11:00 - 12:00

11:00 - 11:08
Prevalence of musculoskeletal disorders among shoulder and elbow surgeons
Ryan Terence Bicknell, Saad Al-Qahtani, Mohammad Alzahrani, David Pichora
Queen’s University, Kingston, Canada
11:08 - 11:16
Return to sports after arthroscopic treatment of recurrent anterior shoulder instability
Stefan Greiner1, Max Kääb2, Anja Höniger2, Julian Brueck2, Christian Zantop2
1. Sporthaendiculum Regensburg, Regensburg, Germany
2. Sporthaendiculum Straubing, Straubing, Germany

11:16 - 11:24
Shoulder rotational strength in youth elite handball players during a competitive season
Behnam Liaghat1, Jesper Bencke2, Mette K. Zebis2, Grethe Myklebust2, Henrik Sorensen1, Niels Wedderkopp1, Martin Lind1, Merete Møller1
1. Department of Sports Science and Clinical Biomechanics, Research Unit for Musculoskeletal Function and Physiotherapy, University of Southern Denmark, Odense, Denmark
2. Human Movement Analysis Laboratory, Copenhagen University Hospital, Amager-Hvidovre, Copenhagen, Denmark
3. Department of Physiotherapy and Occupational Therapy, Faculty of Health and Technology, Metropolitan University College, Copenhagen, Denmark

11:24 - 11:32
Early kinematic analysis of Grammont design versus lateralized short stem reverse total shoulder arthroplasty: A prospective laboratory study
Giovanni Merolla1, Ilaria PareF, Antonio Padolini1, Paolo Paladini1, Giuseppe Porcellini1
1. Shoulder and Elbow Unit, Cattolica, Italy
2. Biomechanics Laboratory, Cattolica, Italy
11:32 - 11:40
The pain effect of rotator cuff tear on cognitive impairment
Chih-Hao Chiu1, Po-Yu Chen2
1. Taoyuan Chang Gung Hospital, Taoyuan City, Taiwan
2. Chang Gung University, Taoyuan City, Taiwan
11:40 - 11:48
The influence of Pectoralis Minor tightness and scapular dyskinesia in subacromial impingement refractory to conservative treatment
Nicolas Bigorre, Stefania Tanase, Frederic Degez
Centre de la Main, Trelaze, France
11:48 - 11:56
Cryotherapy after elbow surgery- A randomized control trial
Ingrid Hultenheim Klintberg
Inst Neuroscience and Physiology / Sahlgrenska Univ Hosp, Gothenburg, Sweden
SECC PRESIDENTIAL GUEST LECTURE

THE ABC’S OF SHOULDER ARTHRITIS
George Athwal, St. Joseph’s Health Care, Ontario, Canada
ROOM 1  · 12:00  - 12:30

SCIENTIFIC SESSION VIII

ROTATOR CUFF II
Chair:  Mario Borroni, Nicolas Holzer
ROOM 1  · 14:15  - 15:45

14:15 - 14:23
No functional difference between 3 and 6 weeks of immobilization after arthroscopic rotator cuff repair: A prospective randomized controlled non-inferiority trial.
Kjersti Kaul Jenssen1, Kirsten Lundgreen1, Jan Erik Madsen2, Rune Kvakesstad3, Sigbjørn Dimmen1
1. Lovisenberg Diakonal Hospital, Oslo, Norway
2. Oslo University Hospital, Oslo, Norway
14:23 - 14:31
Alteration of fatty infiltration and muscle atrophy following rotator cuff repair
Taku Hatta, Kiyougstu Shinagawa, Nobuyuki Yamamoto, Eiji Itoi
Department of Orthopaedic Surgery, Tohoku University School of Medicine, Sendai, Japan
14:31 - 14:39
Anterior latissimus dorsi transfer (ALDT) For Irreparable Subscapularis Lesion: midterm Results In A Series Of 16 Patients
Michael Stalder, Susanne Epprecht, Rebecca Hartmann, Sabrina Catanzaro, Dominik Meyer, Christian Gerber
Uniklinik Balgrist, Zurich, Switzerland
14:39 - 14:47
Outcome of Latissimus Dorsi Transfer for posterosuperior cuff insufficiency: Patients aged 55 years and younger versus patients aged 75 years and older.
Jean Kany1, Jean David WertheF, Jean Grimberg5, Hisham Anis4, Philippe Valenti6
1. Clinique de l’Union, Saint Jean, France
2. Clinique Bizet, Paris, France
3. LIRCOS, Paris, France
4. Zagazig University, Le Caire, Egypt
5. Endoclinic, Clinic Hirslanden, Zürich, Switzerland
6. Radiologie Clinic Hirslanden, Zürich, Switzerland
14:47 - 14:55
The impact of tendon delamination on rotator cuff healing
Pascal Boileau1, Olivier Andreani2, Martin Schramm2, Mohammed Bab2, Mikaël Cheilli1, Hugo Barret1
1. Hôpital Pasteur2 - IJLS, Nice, France
2. Institut Arnault Tzanc, St Laurent Du Var, France
14:55 - 15:03
Nonoperative treatment of rotator cuff disease with Platelet-Rich Plasma: A systematic review
Eoghan T Hurley1, Charles P Hannon2, Daren Lim Fat3, Cathal J Moran4, Hannan Mullett5
1. Sports Surgery Clinic, Dublin, Ireland
2. Rush University Medical Center, Chicago, United States
15:03 - 15:11
Establishing clinically significant outcomes after rotator cuff repair
Gregory L Cvetanovich1, Benedict Nwachukwu2, Anirudh K Gowd3, Brandon C Cabacas, Joseph Liu, Anthony A Romeo, Nikhil Verma
Rush University Medical Center, Chicago, United States
15:11 - 15:19
Arthroscopic subacromial spacer implantation in patients with massive irreparable rotator cuff tears with and without partial repair
Burak Altintas1, Syed Dl Bagh Ali Shah2, Mehmet Kapiciglu2, Kerem Bilise4
1. Steadman Philippon Research Institute, Vail, United States
2. Bezmialem Vakif University, Istanbul, Turkey
15:19 - 15:27
Relationship between functional outcome and fatty degeneration of the rotator cuff muscles after early arthroscopic reconstruction of massive posttraumatic supra- and infraspinatus tendon tears
Christophe Spormann1, Beat Rene Simmen1, Marco Zanetti2
1. Endoclinic, Clinic Hirslanden, Zürich, Switzerland
2. Radiologie Clinic Hirslanden, Zürich, Switzerland
15:27 - 15:35
Glenoid inclination or acromial coverage – What is more relevant for the determination of the critical shoulder angle in patients with osteoarthritis or rotator cuff tears
Silvan Beeler, Anita Hasler, Tobias Götschi, Dominik Meyer, Christian Gerber
Universitätsklinik Balgrist, Zürich, Switzerland
15:35 - 15:43
Return to sports after arthroscopic rotator cuff repair in patients younger than forty-five years
Burak Altintas, Jonas Pogorzelski, Erik M. Fritz, Zaamin B. Hussain, Marilee P. Horan, Jonathan A. Godin, Peter J. Millett
Steadman Philippon Research Institute, Vail, United States

14:15 - 14:23
Can the radial head diameters be inferred from humeral articular dimensions? Bilateral MRI morphometric analysis on 39 healthy subjects
Giuseppe Giannicola, Andrea Giulivi, Marco Scacchi, Paolo Spinello, Gianluca Cinotti
Sapienza University of Rome - Policlinico Umberto I, Roma, Italy

14:31 - 14:39
LUCL-Reconstruction using the triceps tendon - 7,5 year follow-up
Christian Schoch, Michael Geyer
St. Vinzenz Klinik Pfronten, Pfronten, Germany

14:39 - 14:47
Arthroplasty as primary treatment of distal humeral fractures - A study based on swedish registries
Lars Evert Adolfsson1, Jens Nestorson1, Hanna Cecilia Björnsson-Hallgren1, Hans Rahme2
1. Linköping University, Linköping, Sweden
2. Uppsala University, Uppsala, Sweden

14:47 - 14:55
The presence of posterior comminution modifies the treatment and prognosis in capitellar and trochlear fractures? Study performed on 45 consecutive patients.
Enrico Guerra, Graziano Bettelli, Roberto Rotini
Istituto Ortopedico Rizzoli, Bologna, Italy

14:55 - 15:03
Distal anteromedial and distal anterolateral elbow arthroscopy portals in guiding arthroscopic radial head screw fixation.
Davide Cucchi1, Paolo Angelo Arrigoni2, Alessandra Menon2, Francesco Luceri3, Enrico Guerra2, Christof Burger2, Lars Peter Müller2, Pietro Simone Randelli3, Denise Eygendaal4, Kilian Wegmann2
1. Department of Orthopaedics and Trauma Surgery, Universitätsshul Bonn, Germany
2. Laboratory of Applied Biomechanics, Department of Biomedical Sciences for Health, Università degli Studi di Milano, Milano, Italy
3. Clinica Ortopedica, Azienda Socio Sanitaria Territoriale Centro Specializzato Ortopedico Traumatologico Gaetano Pini-CTO, Milano, Italy
4. Istituto Ortopedico Rizzoli, Milano, Italy

15:11 - 15:19
Comparison of posteromedial and posterolateral dislocation of the elbow joint - MRI features, injury mechanism and management -
In Hyeok Rhyeu, Kyung Chul Kim, Ji-Ho Lee, Hyeong Jin Kim, Kee Baek Ahn
Department of Orthopaedic Surgery, Upper Extremity and Microsurgery Center, Pohang Semyeong Christianity Hospital, Pohang, South Korea

15:27
Complications of modular radial head prosthesis: Presentation of a case series based on our experience in the past nine years
Daniel Bustamante, Ana Maria Martin, Juan Maria Pardo, Carlos Navas, Lucia Garcia, David Cecilia
Hospital 12 de Octubre, Madrid, Spain
15:27 - 15:35
Distal fractures of the humerus in patients over 65: complications of treatment prospective & retrospective multicenter study on 497 cases
Laurent Obert1, Philippe Clavert2, Francois Sirveaux3, Jean Louis Charissoux1, Laurent Bidhorz1, Adrien Jacquot6, Thierry Fabre4, Pierre Mansat6
1. Orthopedic Unit & Medical School Of Besancon - University Hospital Of Besancon, Besancon, France
2. Orthopedic Unit & Medical School Of Strasbourg - University Hospital Of Strasbourg, Strasbourg, France
3. Orthopedic Unit & Medical School Of Nancy - University Hospital Of Nancy, Nancy, France
4. Orthopedic Unit & Medical School Of Limoges - University Hospital Of Limoges, Limoges, France
5. Orthopedic Unit - Hospital Le Mans, Le Mans, France
6. Private Hospital Of Nancy, Nancy, France
7. Orthopedic Unit & Medical School Of Bordeaux - University Hospital Of Bordeaux, Bordeaux, France
8. Orthopedic Unit & Medical School Of Toulouse - University Hospital Of Toulouse, Toulouse, France

15:35 - 15:43
A comparison of the long-term results of the Lateral Resurfacing (LRE) arthroplasty in two institutions
Christopher Edwin Lewis Watkins1, Joseph Pooley1, John William Kenneth Harrison1, Martin Chochole2, Florian Domaszewski2, Teresa Kamelander2
1. Queen Elizabeth Hospital, Newcastle Upon Tyne, United Kingdom
2. Herz Jesu Krankenhaus, Vienna, Austria

16:23 - 16:31
Scapular fractures in reverse shoulder arthroplasty (Grammont style): prevalence, functional and radiographic results with minimum 5 year-follow-up.
Lionel Neyton1, John Erickson2, Francesco Ascolino, Giulia Bugelli, Enricomaria Lunini, Gilles Walch
Centre Orthopédique Sanit, Lyon, France

16:31 - 16:39
Bony increased-offset reverse shoulder arthroplasty (BIO-RSA): 5 To 10 Years Follow-Up
Pascal Boileau1, Nicolas Morin-Salvo2, Marc-Olivier Gauc1, Grégoire Moineau1, Mikael Chell1
1. Hôpital Pasteur 2 - IULS, Nice, France
2. Clinique Chantecler, Marseille, France
3. Centre Orthopédique Pasteur Larroze, Brest, France

16:39 – 16:47
Do Hamada grade, age, gender, dominance or ASA grade influence the outcome after reverse total shoulder arthroplasty (RTSA) for unilateral cuff arthropathy?
Joerg Huber1, Ulrich Irlenbusch2, Max Kääb3, Falk Reuther4, Thierry Joudet5, Georges Kohut6
1. Stadtspital Triemli, Zuerich, Switzerland
2. Sportclinique Erfurt, Erfurt, Germany
3. Sportorthopädicum Straubing, Straubing, Germany
4. DRK Kliniken Köpenick, Berlin, Germany
5. Clinique du Liebournais, Libourne, France
6. Clinique Générale, Fribourg, Switzerland

16:47 - 16:55
Re-interventions after primary reverse shoulder arthroplasty: More than 10 years’ experience from a local shoulder Arthroplasty Registry.
Michael C Glanzmann1, Laurent Audigé1, Hans-Kasar Schwyzzer1, Christoph Kolling2
1. Schulthess Klinik Zürich, Zurich, Switzerland
2. Schulthess Klinik, Zurich, Switzerland

16:55 – 17:03
Is there a benefit to add a L’Episcopo transfer to the reverse shoulder arthroplasty in patients with combined loss of elevation and external rotation (CLEER)?
Mikael Chell1, Jean-François Gonzalez2, Marc-Olivier Gauc1, Luc Favard3, Gilles Walch4, Pascal Boileau5
1. Hôpital Pasteur 2 - IULS, Nice, France
2. Hôpital Trousseau-CHRU de Tours, Tours, France
3. Centre Medical Sanit, Lyon, France
Comparison of midterm outcomes of reverse total shoulder arthroplasty with and without repair of the subscapularis

Howard Routman1, Richard Friedman2, Joseph Zuckerman3, Thomas Wright4, Pierre-Henri Flurin5, Chris Roche6
1. Atlantis Orthopedics, Palm Beach Gardens, United States
2. Medical University of SC, Charleston, United States
3. NYU Hospital for Joint Diseases, New York, United States
4. University of Florida, Gainesville, United States
5. Bordeaux-Merignac Clinic, Bordeaux, France
6. Exactech, Gainesville, United States

Acromial fractures following reverse total shoulder arthroplasty – A cohort controlled analysis*

Pascal Schenk, Alexander Alchmair, Silvan Beeler, Lukas Ernstbrunner, Dominik Meyer, Christian Gerber
Balgrist University Hospital, Zürich, Switzerland

Primary reverse shoulder arthroplasty in patients older than 80 years

Eduard Alentorn-Geli, Andrew T. Assenmacher, Nicholas J. Clark, Brian T. Samuelsen, Robert H. Coifield, John W. Sperling, Joaquin Sanchez-Sotelo
Mayo Clinic, Rochester, United States

Results of glenoid bone grafting techniques in reverse shoulder arthroplasty.

Andreas Leonidou, George Panagopoulos, Caroline Witney-Lagen, Luis Natera, Juan Bruguera, Giuseppe Sforza, Ofer Levy
The Reading Shoulder Unit, Reading, United Kingdom

Lateralization and distalization are important determinants of clinical outcomes in reverse shoulder arthroplasty. A radiological study of the lateralization shoulder angle and distalization shoulder angle.

Achilleas Boutsiadis1, Patrick J Denard2, Johannes Barth3
1. "O" General Military Hospital of Athens, Athens, Greece
2. Southern Oregon Orthopedics, 2900 east Barnett Rd, Suite 200Medford OR, USA, Oregon, United States
3. Department of Orthopaedic Surgery, Centre Osteoarticulaire des Cèdres, Grenoble, France, Grenoble, France

P. Acnes incidence in shoulder arthroscopy and correlation with the clinical results

Mehmet Karem Canborg1, Mehmet Soyarslan1, Gulcin Balkose2, Ozkan Kose3, Sebahat Aksaray1
1. Haydarpasa Numune Education&Research Hospital, Istanbul, Turkey
2. Mugla Siiti Kocman University Education&Research Hospital, Mugla, Turkey
3. Antalya Education&Research Hospital, Antalya, Turkey

Patients lost to follow-up in shoulder arthroplasty. Descriptive analysis and reasons for

Carlos Torrens1, Joan MiqueP, Fernando Santana1
1. Hospital del Mar, Barcelona, Spain
2. Hospital Igualada, Igualada, Spain

Virtual orthopaedic clinic for upper limb arthroplasty follow-up in a tertiary referral centre

David Butt, Amanda Denton, Deborah Higgs, Mark Falworth, Addie Majed, Will Rudge
Royal National Orthopaedic Hospital, Stanmore, United Kingdom

One-stage exchange procedure in the management of infected shoulder prosthesis: A Retrospective study of 22 cases

Laela El Amiri, Maxime Antoni, Jeannot Gaudias, Benjamin Adamczewski, Jean-François Kempf, Philippe Clavert
Hôpitaux Universitaires de Strasbourg, Illkirch-Graffenstaden, France

Rotator cuff tendon becomes stiff in frozen shoulder on evaluation of shear wave elastography

Tomoki Wada1, Yoshiaki Itoigawa, Yuichiro Maruyama, Kazuo Kaneko2
1. Juntendo University Urayasu Hospital, Urayasu, Japan
2. Juntendo University Hospital, Tokyo, Japan

What influence does the measurement position have on the force transmission of the subscapularis muscle in healthy subjects?

Milad Farkhondeh Fal, Marius Junker, Jörn Kircher
ATOS Klinik Fleetinsel, Hamburg, Germany
17:03 - 17:11
Demographic trends, complications, and risk factors for revision shoulder arthroplasty
Natalie Leong, Shelby A Sumner, Anirudh K Gowd, Gregory Nicholson, Anthony A Romeo, Nikhil Verma
Rush University Medical Center, Chicago, United States

17:11 - 17:19
Prognostic factors for the outcome of needle aspiration of calcific deposits for calcific tendinitis of the rotator cuff
Bart Oudelaar, Rianne Huis In ’t Veld, Edwin Oorns, Anne Vochteloo
Centre for Orthopaedic Surgery OCON, Hengelo, The Netherlands

17:19 - 17:27
Long-term follow-up of non-operative treatment of atraumatic sternoclavicular dislocation
Robin Moreels, Lieven De Wilde, Alexander Van Tongel
Ghent University, Ghent, Belgium

17:27 - 17:35
Acromion roof in patients with osteoarthritis and rotator cuff tears
- Multiplanar analysis with computertomography
Silvan Beeler, Anita Hasler, Jonas Getzmann, Dominik Meyer, Christian Gerber
Universitätsklinik Balgrist, Zürich, Switzerland

17:35 - 17:43
Does the coracoclavicular distance reliably assess vertical instability in acromioclavicular joint injuries? A Comparative study of two measurement methods
Orestis Karargyris, Antonio Arenas-Miquelez, Michael Schar, Johannes Weihs, Liliana Bolliger, Matthias Zumstein
Inselspital, Bern, Switzerland
INSTRUCTIONAL COURSE LECTURE 7

FROM THE GRAMMONT PROSTHESIS TO THE MODERN REVERSE TOTAL SHOULDER ARTHROPLASTY DESIGN: EFFECTS ON CLINICAL AND RADIOGRAPHIC OUTCOMES
Chair: G. Merolla
ROOM 2 · 07:30 - 08:45

Biomechanics of reverse shoulder replacement: has it changed compared to the Grammont design?
Philip Moroder, Germany

Standard stem onlay reverse shoulder replacement
Joaquin Sanchez-Sotelo, USA

The use of 3D planning and BIO-RSA to address glenoid bone loss
Gilles Walch, France

Augmented baseplates in reverse shoulder replacement: clinical and radiographic outcomes compared with standard baseplates
Samuel Antuña, Spain

Standard Grammont design and short-stem onlay reverse arthroplasty
Giuseppe Porcellini, Italy

INSTRUCTIONAL COURSE LECTURE 8

CHRONIC ELBOW DISLOCATIONS: WHAT CAN BE DONE?
Chair: V. Stevanovic
ROOM 4 · 07:30 - 08:45

What to expect in chronic elbow dislocation?
Ivan Micic, Serbia

What can go wrong in treatment for chronic elbow dislocation?
Philipp Heuberer, Austria

What can we expect from reconstructive surgery in chronic elbow dislocation?
Vladan Stevanovic, Serbia

What can we expect from arthroplasty in chronic elbow dislocations?
Marius Scarlat, France

What have we learned: evaluation and treatment protocol?
In Ho Jeon, South Korea

INSTRUCTIONAL COURSE LECTURE 9

NAVIGATION, ROBOTICS AND VIRTUAL REALITY IN SHOULDER SURGERY: THE PRESENT AND THE FUTURE
Chair: O. Verborgt
ROOM 3 · 07:30 - 08:45

Robotic assisted orthopaedic surgery – Past, present and future?
Ferdinando Rodriguez y Baena, UK

Pre-operative 3D planning, PSI and robotics in shoulder arthroplasty: innovation and evidence
Olivier Verborgt, Belgium

The current evidence - A systematic review
Guillaume Villatte, France

PSI - A novel solution?
Roger Emery, UK

Virtual and augmented reality in medicine: new interactive tools for the shoulder surgeon
Caecilia Charbonnie, Switzerland

SCIENTIFIC SESSION XII

ANATOMIC SHOULDER ARTHROPLASTY
Chairs: Antonio Cartucho, Hans Kaspar Schwyzer
ROOM 1 · 09:00 - 10:30

09:00 - 09:08
Is the glenoid vault outer cortex plane a reliable reference for glenoid implant positioning?
Thomas Gregory1, Lorenzo Merlini1, Roger Emery2, Ulrich Hansen2
1. Avicenne Teaching Hospital, University Paris 13, Bobigny, France
2. School of Medicine, Imperial College, London, United Kingdom

09:08 - 09:16
5, 7 And 10 year survivorship analysis following Copeland resurfacing hemiarthroplasty
Nikhil Gokhale, Sherri Curtis, Ganesh Prasad, James Blacknall, Amrit Sharad Chandra Bidwai, Jomy Kurian
Sherwood Forest Hospitals NHS Trust, Sutton-In-Ashfield, United Kingdom

09:16 - 09:24
Stemless shoulder arthroplasty: Impaction vs. screw design - A retrospective cohort study
Arad Alkiah, Jan-Philipp Imiöczyk, Anna Krukenberg, Markus Scheibel CMSC Charité, Berlin, Germany
09:24 - 09:32
Is press-fit short stem concept for shoulder arthroplasty currently valid?
Florence Dauzere, Amélie Faraud, Vadim Azoulay, Nicolas Bonnevialle, Pierre Mansat
University Hospital, Toulouse, France

09:32 - 09:40
Fatty infiltration and muscle atrophy of the rotator cuff in stemless total shoulder arthroplasty: A prospective cohort study
Arkan Sayed-Noor1, Bassem T. Elhassan2, Bakir Kadum3
1. Department of Surgical and Perioperative Sciences, Umeå University, Sweden
2. Department of Orthopaedics, Rochester, United States
3. Department of Clinical and Experimental medicine - Linköping University, Jönköping, Sweden

09:40 - 09:48
Midterm functional and radiographic outcomes of total shoulder arthroplasty in patients with a B2 glenoid addressed with corrective reaming
Nathan Orvets1, Michelle Gosselin1, Brendan Patterson1, Peter N Chalmers2, Dane Salazar3, Jay D Keener4, Aaron Mark Chamberlain5
1. Washington University School of Medicine, St. Louis, Mo, United States
2. University of Utah School of Medicine, Salt Lake City, Ut, United States
3. Loyola University School of Medicine, Chicago, Il, United States

09:48 - 09:56
In shoulder arthroplasty there are less glenoid radiolucent lines and humeral osteolysis with a ceramic than a metal humeral head.
Simon Bell, Maxim Christmas, Jennifer Coghlan
Monash University, Melbourne Shoulder and Elbow Centre, Brighton, Australia

10:04 - 10:12
Wear in a metal-back glenoid with a vitamin E HXPE liner reaches half the wear of an all-PE glenoid
Philippe Favre1, Paul Thistlethwaite1, Carina Hafner1, Jess G Snedeker1, Fabian Amstad1
1. Zimmer Biomet, Winterthur, Switzerland
2. University Hospital Balgrist and ETHZ, Zürich, Switzerland

10:12 - 10:20
Laminar flow systems during total shoulder arthroplasty: filtering money from the OR?
Daniel E Davis, Benjamin Zmistowski, Joseph A Abboud, Suren Namdari
The Rothman Institute at Thomas Jefferson University, Philadelphia, United States

10:20 - 10:28
Validation of a novel patient specific guide-based technique for minimally invasive total shoulder arthroplasty
Joshua W Giles1, Cyrus Broderr2, Christine Tempelaere2, Roger J Emery2, Ferdinando Rodriguez Y Baena2
1. University of Victoria, Victoria, Canada
2. Imperial College London, London, United Kingdom

09:00 - 09:10
How to do a MCS
Nicole Pouliart

09:10 - 09:15
Etiologies, epidemiology
Jeppe Vejlgaard Rasmussen, Kopenhagen (Denmark)

09:15 - 09:20
Examination & diagnosis
Sebastian Lappen, Hamburg (Germany)

09:20 - 09:25
Scores
Laurent Willemont, Antwerp (Belgium)

09:25 - 09:30
Conservative therapy
Anna Krukenberg, Berlin/Hamburg (Germany)
09:30 - 09:35  Operative therapy  
Marvin Minkus, Berlin (Germany)

09:35 - 09:45  Study protocol  
Michael Künzler, Bern (Switzerland)

09:45 - 10:00  Discussion

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**AWARD SESSION**

Room 1  · 11:00 - 11:50  
Chairman: Emilio Calvo

11:00 - 11:04  Introduction of the Asian fellows  
Philippe Collin

11:04 - 11:08  Introduction of the traveling fellows  
Philippe Collin

11:08 - 11:13  Travel report 2017 Europe/Japan travelling fellows  
S. Cerciello, A. Gereli

11:13 - 11:23  Best Poster Prize  
Chairman: Philippe Collin  
Effects of re-tear in patients with large or massive cuff tears treated by arthroscopic repair  
Koji Tanaka, Masafumi Gotoh, Masafumi Inoue, Hisao Shimokobe, Yasuhiro Mitsui, Hirokazu Honda, Hidehiro Nakamura, Hiroki Ohzono, Ryo Tanesue, Yosuke Nakamura, Takahiro Okawa, Naoto Shiba  
Japan  
The effect of anxiety and depression measured by HADS (Hospital Anxiety and Depression Scale) on early pain and range of motion after rotator cuff repair  
Hyong Suk Kim, Tae Hun Kim, Joo Hyun Park, Sung Min Rhee, Joo Han Oh  
South Korea  
Postero medial rotatory incongruity of the elbow:  
A computational kinematics study  
Gokhan Karademir, Daniel Bachman, Antonis Stylianou, Akin Cil  
United States  
Comparison of clinical outcomes with reverse total shoulder arthroplasty in patients with and without scapular notching  
Howard Routman, Richard Friedman, Joseph Zuckerman, Thomas Wright, Pierre-Henri Flurin, Chris Roche  
United States

11:23 - 11:27  Video Prize: Announce of the winner  
Chairman: Philippe Collin

11:27 - 11:31  Best Paper Prize: Announce of the winner  
Chairman: Nicole Pouliart

11:31 - 11:35  Grammont Award: Announce of the winner  
Chairman: Nicole Pouliart

11:35 - 11:40  Research grant: Announce of the winner  
Chairman: Nicole Pouliart

11:40 - 11:45  National Societies’ Best Paper Prize  
Chairman: Alexandre Laedermann

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**INVITED SOCIETIES SESSION**

Room 1  · 12:00 - 12:50  
Moderators: Eduard Buess, Beat Simmen

12:00 - 12:05  On the shoulders of Norbert Gschwend.  
Beat Simmen

12:05 - 12:15  Establishing arthroscopy in Cuba – a shared Swiss-Cuban adventure  
Eduard Buess, Antonio Hernandez

12:15 - 12:25  13 years of patch augmentation: A critical retrospect  
Ian Leuzinger

12:25 - 12:35  Shoulder and elbow injuries in martial arts – a Swiss perspective.  
Claudio Rosso

12:35 - 12:45  Sports activities after total elbow replacement in posttraumatic situations.  
Christoph Spormann
SCIENTIFIC SESSION XIII

REVERSE SHOULDER ARTHROPLASTY II

Chairs: Philippe Valenti, Gabor Puskas

ROOM 1 · 13:40 - 15:10

13:40 - 13:48
Cuff-tear arthropathy: An historical review of 19th Century sources
Stig Brorson
Dept. of Orthopaedic Surgery, Zealand University Hospital, Køge, Denmark

13:48 - 13:56
Are the clinical outcomes of the reverse total shoulder arthroplasty with an Episcopo procedure is maintained over the long term?
Philippe Valenti, Leila Zanjani, Jean David Werthel
Paris Shoulder Unit Clinique Bizet, Paris, France

13:56 - 14:04
Reverse shoulder arthroplasty in patients with Os Acromiale: A matched case-control study
Guilherme Carpeggiani, Sandro Hodel, Sabrina Catanzaro, Sabine Wyss, Tobias Götschi, Dominik Meyer, Christian Gerber, Karl Wieser
Uniklinik Balgrist, Zurich, Switzerland

14:04 - 14:12
Scapular notching is the main cause of late glenoid loosening: longitudinal follow-up of a cohort of 91 reverse total shoulder prostheses
Luc Favard, Clement Spiiry, Guillaume Bacle
University of Tours, Tours, France

14:12 - 14:20
Individualizing humeral retroversion and subscapularis repair in reverse total shoulder arthroplasty: Do they affect the clinical outcomes?
Tae Hun Kim, Joo Hyun Park, Sung Min Rhee, Joo Han Oh
Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam-Si, South Korea

14:20 - 14:28
Difficulty in activities of daily living associated with internal rotation after reverse total shoulder arthroplasty
Jung Yoon Kim1, Yong Girl Rhee2, Ho Yeon Jeong1, Kyung Han Ro1, Myung Seo Kim1, Jong Dae Kim1, Joo Han Oh1, Sung-Min Rhee2, Jae Chul Yoo2, Seung Yeop Lee1
1. Department of Orthopaedic Surgery, Kangnam Sacred Heart Hospital, Hallym University College of Medicine, Seoul, South Korea
2. Shoulder & Elbow Clinic, Department of Orthopaedic Surgery, College of Medicine, Kyung Hee University, Seoul, South Korea

14:28 - 14:36
Revision reverse shoulder arthroplasty for a failed primary reverse prosthesis
Eric Wagner, Mario Hevesi, Matthew T. Houdek, Robert H. Cofield, John W. Sperling, Joaquin Sanchez-Sotelo
Mayo Clinic, Rochester, United States

14:36 - 14:44
Quantitative in vivo assessment of bone allograft viability using 18F Fluoride PET/CT after glenoid augmentation in reverse shoulder arthroplasty
Reinhold Ortmaier1, Mohsen Beheshti2
1. Department of Orthopedic Surgery, Ordensklinikum Barmherzige Schwestern Linz, Linz, Austria
2. Barmherzige Schwestern Linz, Linz, Austria

14:44 - 14:52
Outcomes of uncemented reverse shoulder arthroplasty for proximal humerus fractures compared to cemented stems
Bradley Schoch1, William Albinde2, Jordan Walters3, John Sperling4, Thomas Throckmorton5, Joaquin Sanchez-Sotelo6, Thomas Duquin6
1. University of Florida, Gainesville, United States
2. Mayo Clinic, Rochester, United States
3. Campbell Clinic, Memphis, United States
4. Mayo, Rochester, United States
5. University of Buffalo, Buffalo, United States
14:52 - 15:00
Results of reverse shoulder arthroplasty in revision cases after failed operative treatment of proximal humerus fractures: Does The Initial Treatment Influence The Outcome After Revision Arthroplasty?
Malte Holschen, Kai-Axel Witt, Jörn Steinbeck
OPPK, Münster, Germany

15:00 - 15:08
How to estimate what will be the internal rotation 6 months after the implantation of a reverse prosthesis?
Luc Favard, Morgane Rol, Charles Agout, Julien Berhouet
University of Tours, Tours, France

15:15 - 15:23
Comparison of clinical and radiographic outcomes: Vertical simple stitch versus modified Mason-Allen stitch in arthroscopic Bankart repairs - Prospective, randomized, controlled study- running title: modified m-a stitch in bankart repair
Jin-Young Park1, Seok-Won Chung2, Jae-Hyung Lee1, Kyung-Soo Oh2, Jong-Soo Lee2
1. Neon Orthopaedic Clinic, Seoul, South Korea
2. Konkuk University School of Medicine, Seoul, South Korea

15:23 - 15:31
Endoscopic Long Thoracic Nerve release for scapular winging
Christopher Chuinard1, Shota Hashika2
1. Great Lakes Orthopaedic Center, Traverse City, United States
2. Funabashi Orthopaedic Hospital, Funabashi, Japan

15:31 - 15:39
Labral repair augmentation by labroplasty and simultaneous transsubscapular transposition of long head of biceps.
Oleg Nikolayevich Milenin
NMHC, Moscow, Russia

15:39 - 15:47
Arthroscopic anchored vs. anchorless transosseous rotator cuff repair: 2-year clinical outcomes
Uma Srikrumaran1, Brendan Y Shi2, Casey Hannan1, Steve A Peterson1, Edward G Mcfarland2
1. Johns Hopkins Hospital Department of Orthopaedic Surgery, Baltimore, United States
2. Johns Hopkins University School of Medicine, Baltimore, United States

15:47 - 15:55
Optimum tension of bridging suture in trans-osseous equivalent rotator cuff repair - A clinical prospective randomized comparative study
Ji Soon Park1, Joo Hyun Park2, Sung Min Rhee3, Tae Hun Kim1, Joo Han Oh4
1. Sheikh Khalifa Specialty Hospital, Ras Al Khaimah, United Arab Emirates
2. Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam-Si, South Korea

15:55 - 16:03
Arthroscopic treatment of anterior shoulder instability using extracapsular stabilization technique, 2-9 years follow-Up
Roman Brzoska, Hubert Laprus, Adrian Blasiak, Wojciech Solecki
St Luke’s Hospital, Bielsko-Biala, Poland

16:03 - 16:11
Chronic sternoclavicular instability: Technique and results of corrective clavicular osteotomy
Stefanie Hiriger, Anita Hasler, Philipp Fürnstahl, Christian Gerber
University Hospital Balgrist, Zürich, Switzerland
INVITED KEYNOTE SPEAKERS

SECEC 2018 GUEST LECTURE
Ijad Madisch, CEO at Researchgate, Berlin, Germany
ResearchGate - a crazy idea becomes a disruptive technology
THURSDAY, SEPTEMBER 20
12:15h - 12:45h > ROOM 1

SECEC PRESIDENTIAL GUEST LECTURE
George Athwal, St. Joseph’s Health Care, London, Ontario, Canada
The ABC’s of Shoulder Arthritis
FRIDAY, SEPTEMBER 21
12:00h - 12:30h > ROOM 1
EUSSE SYMPOSIUM - SHOULDER AND ELBOW REHABILITATION
FOCUS ON DEGENERATIVE PROBLEMS ACROSS DIFFERENT LIFESPANS

Friday, September 21st

WELCOME SPEECH

ROOM 4 · 14:15 - 14:20

Suzanne Gard – EUSSE President
Roger Emery – SECEC Congress President

KEYNOTE SESSION

ROOM 4 · 14:20 - 15:45

14.20-14:40 h
The science of degeneration/What is degeneration?
Ben Dean

14.40-14.55 h
Non operative management and operative joint preservation techniques of the degenerative shoulder
Ali Noorani

14.55-15.10 h
Non-operative treatment of the degenerative shoulder - physiotherapy perspective
Andrew Cuff

15.10-15.25 h
Surgical options for degenerative shoulder (e.g. joint replacements, fusions)
Gregory Cunningham

15.25-15.40 h
Physiotherapy following surgical treatment
Bruno Santullo

15.40-15.45 h
Panel discussion

COFFEE BREAK

15:45 - 16:15

SCIENTIFIC PAPERS SESSION I

Moderators: Professor Nicole Pouliart, Belgium (SECEC)
Marco Conti, Italy (EUSSER)

ROOM 4 · 16:15 - 17:20

16:15 - 16:28
Best Allied Health Professional Paper at the British Elbow & Shoulder Society Conference 2017: The role of pain sensitisation in young adults with shoulder pain
M Clarke, C Gilsenan, H Mullett and C Doody (UK)

16:28 - 16:33
The purpose and philosophy of the EUSSE Junior Research Award and collaboration with JOSPT
Yasmaine Karel, PhD, Physiotherapist, Chair Scientific Committee of EUSSE
Clare Ardern, MD, Editor-in-Chief of the Journal of Orthopaedic and Sports Physical Therapy, JOSPT

16:33 - 16:46
EUSSER-JOSPT Junior Researcher Award
Is thoracic spine posture associated with shoulder pain, range of motion and function? A systematic review
Eva Barrett, Mary O’Keefe, Kieran O’Sullivan, Jeremy Lewis, Karen McCreesh

16:46 – 16:59
EUSSER-JOSPT Junior Researcher Award
Analysis of shoulder compressive and shear forces during functional activities of daily life
Christian Klemt, Joe A. Prinold, Sharon Morgans, Samuel H. L. Smith, Daniel Noite, Peter Reilly, Anthony M. J. Bull

16.59 – 17.12
EUSSER-JOSPT Junior Researcher Award
Central Pain Processing, Psychosocial and Lifestyle Factors as potential Moderators for Outcome after Rotator Cuff Repair: A Study Design for a Prospective Longitudinal Cohort Study
Ariane Schwank, Filipo Struyf, David Gisi, Markus Pisan, Mira Meeus

16.12 – 17.20
Public voting EUSSER – JOSPT Junior Research Award
Yasmaine Karel

KEYNOTE SPEAKER

ROOM 4 · 17:20 - 17:45

Implementing EBP in shoulder pain: The case for a pan-European clinical practice guideline
Karen McCreesh
EUSSE SYMPOSIUM - SHOULDER AND ELBOW REHABILITATION
FOCUS ON DEGENERATIVE PROBLEMS ACROSS DIFFERENT LIFESPANS

Saturday, September 22nd

EARLY SESSION SPONSORED

ROOM 3 · 08:00 - 08:50
REHUB: The digital support to Physical Rehabilitation empowering patient’s adherence

KEYNOTE SESSION

ROOM 4 · 09:00 - 09:20
Pathologies of the elbow
Yasmine Karel

SCIENTIFIC PAPERS SESSION II

Moderators: Bernard Jost, Switzerland (SECEC) and Ingrid Hultenheim Klintberg, Sweden (EUSSER)
ROOM 4 · 09:30 - 10:30

9:30 – 9:43
The Elasticity Of The Supraspinatus Tendon During Rehabilitation Exercises Following Arthroscopic Rotator Cuff Repair: A Quantitative Assessment Using Ultrasound Elastography
Hiroaki Ishikawa, Takayuki Muraki, Masataka Hori, Nobuyuki Yamamoto, Eiji Itoi, Shin-Ichi Izum Japan
9:43 – 9:56
Incidence And How To Predict The Development Of A Postoperative Stiff
Painful Shoulder
Simon Bell, Jennifer Coghlan, Nathaniel Hiscock Australia
9:56 – 10:09
The Impact Of Formal Versus Informal Rehabilitation On Improvement
After Primary RTSA For Rotator Cuff Deficient Arthritis
Howard D Routman, John Hinson, Chris Roche, Ryan W Simovitch USA
10:09- 10:22
Marcus Bateman, Sally Osborne & Benjamin E. Smith UK

COFFEE BREAK
10:30 - 11:00

KEYNOTE SESSION · THE ELBOW

ROOM 4 · 11:00 - 12:00

11.00-12:00 h
Lateral epicondylalgia (AKA tennis elbow) - what do we know so far?
Leanne Bisset
12.00-12:20 h
Surgical options for degenerative elbow joint
Carl Ekholm
12.20-12:40 h
Rehabilitation following elbow joint arthroplasty
Val Jones
12.40-12:50 h
Panel discussion

LUNCH
12:50 - 13:50

AGM
ROOM 4 · 14:00 - 15:00
EUSSER general assembly
(all welcome, only members votes count)

HANdS ON WORKSHOPS
ROOMS 3-4-15-16-18 · 15:00 - 17:30

15.00-17.30
The SC joint +/- AC joint
Ian Horsley
Mobilisation techniques for the shoulder
Andrew Cuff
Mobilisation techniques for the elbow
Jelle Heisen
Rehabilitation for non-operable shoulders
Ingrid Hultenheim
Rehabilitation of lateral epicondylalgia
Leanne Bisset
# LUNCH WORKSHOPS (INDUSTRY SPONSORED)

**Thursday, September 20th**

- **12.55-14.25 h**
  - ROOM 2: Lima Corporate
  - ROOM 3: WRIGHT
  - ROOM 4: Smith & Nephew
  - ROOM 5: Orthospace
  - ROOM 6: Zimmer Biomet Institute
  - ROOM 15: Medartis

**Friday, September 21st**

- **12.40-14.10 h**
  - ROOM 3: WRIGHT
  - ROOM 4: Smith & Nephew
  - ROOM 5: Medacta International
  - ROOM 6: ConMed
  - ROOM 15: Acumed
  - ROOM 18: DePuy Synthes
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

Thursday, September 20th
12.55-14.25 h

ROOM 2

REVERSE SHOULDER ARTHROPLASTY: CLINICAL INSIGHTS FROM THE EXPERTS

Moderator
Alessandro Castagna, MD, Italy

Reversing bearing surfacing in RSA: does it work?
Alessandro Castagna (Italy)

Complex glenoid reconstruction in RSA with bone grafting technique
Giuseppe Porcellini (Italy)

Stemless RSA: is it a reliable choice for primary?
Claudio Rosso (Switzerland)

ProMade: achieving clinical excellence in challenging situation
Ian Trail (United Kingdom)

ROOM 3

LATEST CLINICAL OUTCOMES IN SHOULDER ARTHROPLASTY WITH A CONVERTIBLE SYSTEM

Short Stems: info, intox, review on the latest results and experience sharing
Patric Raiss (Germany)

What do I do in case of lack of external rotation: humeral lateralization or latissimus dorsi transfer?
Philippe Collin (France)

This symposium will update you with the AQUALIS ASCEND™ FLEX convertible system and AQUALIS™ PERFORM/PERFORM+ anatomic glenoid range latest outcomes based on recently published literature with solid scientific data

ROOM 4

CUFF BIOLOGICS AND REGENERATION

Cuff regeneration with regenten
Desmond Bokor (Australia)

Ultracontact techniques
Emilio Calvo (Spain)

Cuff healing with healicoil and regenesorb
M. Iban (Spain)

Discussion

ROOM 5

MASSIVE ROTATOR CUFF TEARS – INTERACTIVE CASE PRESENTATION

Moderator
Laurent Lafosse (France)

Faculty
Jens Agneskirchner (Germany)
Giuseppe Porcellini (Italy)
Paolo Paladin (Italy)
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

Thursday, September 20th
12.55-14.25 h

ROOM 6

THE DIFFICULT PROXIMAL HUMERUS FRACTURE: OPERATIVE TREATMENT OPTIONS
Welcome
Zimmer Biomet Institute
The results of a novel plate concept for proximal humerus fractures
Anders Ekelund (Sweden)
4-part fractures in the elderly: what do we do
Christian Gerber (Switzerland)
Questions & Answers
All
Close
All

ROOM 15

PROXIMAL HUMERUS FRACTURE – THE ISSUE OF MEDIAL SUPPORT
Faculty
Chlodwik Kirchhoff, Germany

ROOM 18

10 YEARS OF CLINICAL EXPERIENCE AFFINIS INVERSE
Design and philosophy of Affinis Inverse
Georges Kohut, MD – Fribourg, Switzerland
Design and philosophy of Affinis Inverse
Georges Kohut, MD – Fribourg, Switzerland
Max Kääb, MD – Straubing, Germany
Clinical results of Affinis Inverse
Max Kääb, MD – Straubing, Germany
Clinical results of Affinis Fracture Inverse
Falk Reuther, MD – Berlin, Germany
REPP’s for RTSA (Affinis Inverse) – which factors influence the outcome?
Jörg Huber, MD – Zürich, Switzerland
**ROOM 3**

**3D PREOPERATIVE SOFTWARE - BLUEPRINT™: LEAD THE FUTURE OF SURGERY**

*Faculty*

George Athwal (Canada)

BLUEPRINT™ 3D Planning software automatically creates the virtual implantation environment, enabling convenient planning without the wait. Optional guide ordering directly in the software enables BLUEPRINT™ to be used as an everyday planning tool.

**ROOM 4**

**SECEC LUNCH WORKSHOP: BONE LOSS**

*Moderator*

Jens Agneskirchner (Germany)

- Why arthroscopic Latarjet
  Pascal Boileau (France)
- Why bone block
  Ettore Taverna (Italy)
- Why bankart and remplissage
  Andrew Wallace (United Kingdom)

*Discussion*

**ROOM 5**

**MEDACTA SHOULDER SYSTEM**

*Medacta Shoulder System Design Rationale*

Ralph Hertel (Switzerland)

*Preliminary clinical experience:*

*Moderators*

Bernhard Jost (Switzerland)
St. Gallen (Switzerland)

*Faculty’s cases presentations*

Dr. Wade Harper (Sydney - Australia)
Prof. Peter Müller (Munich - Germany)
Prof. Matthew Saltzman (Chicago, IL - USA)
Dr. Anup Shah (Houston, TX - USA)
Prof. Matthias Zumstein (Bern - Switzerland)

*Conclusions*

**ROOM 6**

**ARTHROSCOPIC TREATMENT OF SHOULDER INJURIES – ROTATOR CUFF REPAIR AND BICEPS INJURIES**

*Moderator*

Alessandro Castagna (Italy)

*Faculty*

Raúl Barco (Spain)
Paolo Paladini (Italy)
Hannan Mullett (Ireland)
LUNCH WORKSHOPS (INDUSTRY SPONSORED)

Friday, September 21st

12.40-14.10 h

ROOM 15

MANAGEMENT OF DISPLACED MEDIAL CLAVICLE FRACTURES

Faculty
Graham Tytherleigh-Strong (United Kingdom)

ROOM 18

PATIENT SPECIFIC PLANNING TOOLS FOR SHOULDER ARTHROPLASTY / INNOVATION IN REVERSE ARTHROPLASTY FOR FRACTURES

Moderators
Anders Ekelund (Sweden)
Carlos Torrens (Spain)

Reverse shoulder arthroplasty with dedicated fracture implants
Carlos Torrens (Spain)

Patient specific instruments and pre-op planning for shoulder arthroplasty
Anders Ekelund (Sweden)
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Driven by DJO’s desire to create high-end products that improve quality of life and restore movement to those with degenerative arthritic disease damage, DJO Surgical is able to provide orthopedic surgeons a high-end, patient focused solution for total shoulder arthroplasty. DJO Surgical partners with key consulting surgeons to provide focused innovative and proprietary patent devices, such as the Reverse® Shoulder Prosthesis and Altivate Shoulder Reverse prosthesis. As an industry

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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.

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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.

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

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

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Parcus Medical™ manufactures and distributes implants and instrumentation for soft tissue repair and ligament/tendon fixation. Parcus™ pioneered the use of PEEK CF for Sports Medicine implants and continues to expand its product line for both open and arthroscopic procedures. Decades of experience in design, manufacturing, and packaging, enable us to create comprehensive, minimally invasive solutions from the shoulder to foot. At Parcus, surgical innovation is customer-driven.

Permedica S.p.A. has as its principal Mission in the designing, development, manufacturing and distribution of superior products (shoulder, hip, knee) and services to our customers. Quality, price and service are key elements that guarantee our company’s dedication to constant improvement.
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

Smith & Nephew supports healthcare professionals in more than 100 countries in their daily efforts to improve the lives of their patients. We do this by taking a pioneering approach to the design of our advanced medical products and services, by securing wider access to our diverse technologies for more customers globally, and by enabling better outcomes for patients and healthcare systems.

We have leadership positions in:
- Orthopaedics Reconstruction - joint replacement systems for knees, hips and shoulders
- Advanced Wound Management - wound care treatment and prevention products used to treat hard-to-heal wounds
- Sports Medicine - minimally invasive surgery of the joint
- Trauma & Extremities - products that help repair broken bones

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, craniomaxillofacial and thoracic products; dental implants; and related surgical products.

We collaborate with healthcare professionals around the globe to advance the pace of innovation. Our products and solutions help treat patients suffering from disorders of, or injuries to, bones, joints or supporting soft tissues.

We have operations in more than 25 countries around the world and sell products in more than 100 countries.
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.

Compex being the technological leader in neuromuscular stimulators is specialized in delivering user-friendly devices for an effective and convenient medical therapy at home either in rent or buy.

The specified frequencies programmed in the devices allow a targeted and efficient treatment according to the pathology of the patient for an optimized and timely recovery.

DyCare designs wearable sensors solutions that revolutionize the rehabilitation process. We innovate in physical rehabilitation with medical devices so that physiotherapists, physicians and orthopedic surgeons improve the diagnosis, monitoring and evaluation of the mobility disorders of their patients.

Scientifically rigorous, clinically relevant content for physical therapists and others in the health care community to advance musculoskeletal and sports-related practice globally. Published monthly in print and online. 37,000 individual and institutional subscribers, with website sessions approaching 120,000 per month. Available in PDF and full-text formats; videos and other supplementary materials accompany selected articles; seamless delivery to mobile devices including tablets and smartphones. Peer reviewed and indexed in PubMed/Medline and CINAHL. The official journal of the Orthopaedic and Sports Physical Therapy Sections of the American Physical Therapy Association and a recognized journal of 37 professional organizations in 27 countries.
La Tour Medical Group
Hôpital de La Tour,
Service communication,
Avenue J.-D. Maillard 3,
1217 Meyrin

A leading private hospital group in the canton of Geneva, the La Tour Medical Group is composed of the Hôpital de La Tour, the Clinique de Carouge and the Centre Médical de Meyrin. The Hôpital de La Tour is the only private establishment in French-speaking Switzerland offering an emergency department open 24/7, an intensive care unit, a dialysis centre and a neonatal department recognised as providing care for premature births from the 34th week of pregnancy. A pioneer in the use of many innovations and specialising in over 60 areas of medicine, the La Tour Medical Group deals with the hospitalisation of 7,000 patients every year, provides ambulatory care in 300,000 cases, including 40,000 emergencies, 5,800 surgical procedures and trains 40 doctors in 11 medical disciplines. It currently numbers 950 employees and 350 approved practising physicians.

Its integrated health care offering is structured in such a manner as to ensure the co-ordinated, personalised care of patients and provision of service to their relatives within the framework of the following competencies:

- orthopaedics and sports medicine
- cancer
- metabolism and obesity
- internal medicine
- cardiology
- women’s and children’s health