

# SCIENTIFIC PROGRAM



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

## SCIENTIFIC PROGRAM

**THURSDAY, SEPTEMBER 14<sup>th</sup>**

### INSTRUCTIONAL COURSE LECTURE 1

#### BASIC RESEARCH IN ROTATOR CUFF PATHOLOGY

Chair: Stefano Gumina (Italy)

ROOM PAVILLON · 07:30 - 08:45

07:35 - 07:45

#### Etiology of rotator cuff degeneration: relationship with medical condition

Matthias Zumstein  
Switzerland

07:45 - 07:55

#### Role of antioxidants in rotator cuff tendon degeneration

Hyung Bin Park  
Korea

07:55 - 08:05

#### Current concepts on extrinsic factors in rotator cuff tears

Emilio Calvo  
Spain

08:05 - 08:15

#### Biological strategies to enhance rotator cuff healing: bioactive scaffolds, PRP and stem cells

Andrew Carr  
UK

08:15 - 08:25

#### Pulsed electromagnetic fields on human tendon stem cells

Pietro Randelli  
Italy

08:25 - 08:45

Discussion

### INSTRUCTIONAL COURSE LECTURE 2

#### OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS

Chair: Stefano Carbone (Italy)

ROOM CHARLOTTENBURG I-II · 07:30 - 08:45

07:35 - 07:45

#### Fractures of the proximal humerus in osteoporotic bone

Christian Olsson  
Sweden

07:45 - 07:55

#### Assessing osteoporosis in fractures of the proximal humerus

Christian Spross  
Switzerland

07:55 - 08:05

#### Treatment of osteoporotic proximal humerus fractures

Bartłomiej Kordasiewicz  
Poland

08:05 - 08:15

#### Augmentation techniques in fixation of proximal humerus fractures

Raffaele Russo  
Italy

08:15 - 08:25

#### Failure of fixation in osteoporotic proximal humerus fractures

Mark Tauber  
Germany

08:25 - 08:45

Discussion

### INSTRUCTIONAL COURSE LECTURE 3

#### ELBOW ARTHROSCOPY

Chair: Michel van den Bekerom (Netherlands)

ROOM BELLEVUE · 07:30 - 08:45

07:30 - 07:45

#### Relevant anatomy and portals

Alexander van Tongel  
Belgium

07:45 - 08:00

#### Arthroscopic assessment and treatment of instability

Felix "Buddy" Savoie  
USA

08:00 - 08:15

#### Arthroscopic treatment of degeneration of the elbow

Paolo Arrigoni  
Italy

08:15 - 08:30

#### Arthroscopic fracture treatment

Kilian Wegmann  
Germany

08:30 - 08:45

Discussion

### JSES SESSION 1

#### ELBOW

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

ROOM TIERGARTEN · 07:30 - 08:45

In the focus of interest: The most frequently cited European JSES papers

Lars Müller (Germany)

#### Treatment of unstable elbow dislocations with hinged elbow fixation-subjective and objective results.

Hopf JC, Berger V, Kriegelstein CF, Müller LP, Koslowsky TC.  
*J Shoulder Elbow Surg*. 2015 Feb;24(2):250-7. doi: 10.1016/j.jse.2014.09.034.





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

Hackl M, Heinze N, Wegmann K, Lappen S, Leschinger T, Burkhart KJ, Scaal M, Müller L.

*J Shoulder Elbow Surg* . 2016 Jan;25(1):127-35. doi: 10.1016/j.jse.2015.07.016.

Alberto Schneeberger (Switzerland)

**EBM analysis**

**Crossfire discussion:**

**Decision making in front of a complex elbow trauma**

Case discussion with L Müller, A Schneeberger and the audience using live poll

### SYMPOSIUM 1

#### DISTAL BICEPS TENDON

Chair: Roger van Riet (Belgium)

ROOM POTSDAM · 09:00 - 10:30

09:00 - 09:15

**Anatomical and biomechanical aspects of the distal biceps tendon**

Michel van den Bekerom  
Netherlands

09:15 - 09:30

**Partial tears of distal biceps - work-up and treatment**

Roger van Riet  
Belgium

09:30 - 09:45

**One or two incision technique**

Raul Barco  
Spain

09:45 - 10:00

**Rehabilitation after distal biceps repair**

Val Jones  
UK

10:00 - 10:15

**Complications in distal biceps repair - how to avoid?**

Paolo Arrigoni  
Italy

10:15 - 10:30

Discussion

**COFFEE BREAK**

10:30 - 11:00



### SCIENTIFIC SESSION 1

#### ROTATOR CUFF - I

Moderators: Giuseppe Sforza (UK)  
Manfred Pfahler (Germany)

ROOM POTSDAM · 11:00 - 12:15

11:00 - 11:08

**OP-1. Evaluation of symptomatic rotator cuff tears with dynamic magnetic resonance imaging**

Hideyuki Sasanuma<sup>1</sup>, Yuki Iijima<sup>2</sup>, Yuji Kanaya<sup>3</sup>, Katsushi Takeshita<sup>2</sup>

<sup>1</sup> Tohigi Medical Center Shimotsuga, Tohigi, Japan

<sup>2</sup> Department of Orthopaedics, Tohigi, Japan

<sup>3</sup> Jichi Medical University, Tohigi, Japan

11:08 - 11:16

**OP-2. Increased mortality and high rates of contralateral cuff tears at 22-year follow-up after arthroscopically verified rotator cuff tear.**

Mats C Ranebo<sup>1</sup>, Hanna Björnsson Hallgren<sup>2</sup>, Lars E Adolfsson<sup>2</sup>

<sup>1</sup> Orthopedic Clinic Kalmar County Hospital, Kalmar, Sweden

<sup>2</sup> Orthopedic Clinic, Linköping University Hospital, Linköping, Sweden

11:16 - 11:24

**OP-3. Ten-year multi-center clinical and MRI evaluation of cuff repairs according to type of tear.**

Luc Favard<sup>1</sup>, Charles Agout<sup>1</sup>, Julien Berhouet<sup>1</sup>, Philippe Collin<sup>2</sup>,

Jean François Kempf<sup>3</sup>

<sup>1</sup> University of Tours, Tours, France

<sup>2</sup> St Gregoire, Rennes, France

<sup>3</sup> University of Strasbourg, Strasbourg, France

11:24 - 11:32

**OP-4. Twenty-year results of isolated supraspinatus repair**

Mikael Betz<sup>1</sup>, Philippe Collin<sup>2</sup>, Gilles Walch<sup>3</sup>, Christian Gerber<sup>4</sup>,

Jean François Kempf<sup>5</sup>

<sup>1</sup> Balgrist, Zurich, Switzerland

<sup>2</sup> CHP Saint Grégoire, Rennes, France

<sup>3</sup> Centre Orthopédique Santy, Lyon, France

<sup>4</sup> Balgrist, Zurich, France

<sup>5</sup> CHU, Strasbourg, France

11:32 - 11:40

**OP-5. Cost-effectiveness of single row versus double row constructs in arthroscopic rotator cuff repair**

Peter L-C Lapner<sup>1</sup>, Kednapa Thavorn<sup>2</sup>, Sasha Van Katwyk<sup>3</sup>,

Peter Macdonald<sup>4</sup>, Adrian L Huang<sup>1</sup>

<sup>1</sup> Division of Orthopedics, Ottawa Hospital Research Institute, The Ottawa Hospital, University of Ottawa, Ottawa, Canada

<sup>2</sup> Clinical Epidemiology Program, Ottawa Hospital Research Institute, The Ottawa Hospital; School of Epidemiology, Public Health and Preventive Medicine, University of Ottawa; Institute of Clinical and Evaluative Sciences, Ottawa, Canada





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<sup>3</sup> *Clinical Epidemiology Program, Ottawa Hospital Research Institute, The Ottawa Hospital, Ottawa, Canada*

<sup>4</sup> *Section of Orthopaedic Surgery & The Pan Am Clinic, University of Manitoba, Winnipeg, Canada*

11:40 - 11:48

**OP-6. The effect of intravenous tranexamic acid on the visual clarity during arthroscopic rotator cuff repair:**

**A randomised controlled, double blind study**

*Ali Ersen, Mehmet Ersin, Mehmet Buget, Ata Can Atalar*

*Istanbul University Istanbul Medical Faculty, Istanbul, Turkey*

11:48 - 11:56

**OP-7. Effect of recombinant human growth hormone on rotator cuff healing after arthroscopic repair**

*Joo Han Oh<sup>1</sup>, Seok Won Chung<sup>2</sup>, Kyung-Soo Oh<sup>2</sup>, Jae Chul Yoo<sup>3</sup>, Yang Soo Kim<sup>4</sup>, Jin-Young Park<sup>5</sup>*

<sup>1</sup> *Seoul National University Bundang Hospital, Seongnam-Si, South Korea*

<sup>2</sup> *Konkuk University Medical Center, Seoul, South Korea*

<sup>3</sup> *Samsung Seoul Medical Center, Seoul, South Korea*

<sup>4</sup> *Seoul Saint Mary's Hospital, Seoul, South Korea*

<sup>5</sup> *Neon Orthopaedic Clinic, Seoul, South Korea*

11:56 - 12:04

**OP-8. A pilot study examining the feasibility and safety of using bone marrow aspirate concentrate in improving rotator cuff tendon healing following arthroscopic rotator cuff repair**

*Michael Oliver Schär<sup>1</sup>, Camila Carballo<sup>2</sup>, Arielle Hall<sup>2</sup>, Liang Ying<sup>2</sup>, Hollis Potter<sup>2</sup>, Russell Warren<sup>2</sup>, Scott Rodeo<sup>2</sup>*

<sup>1</sup> *Inselspital, University of Bern, Bern, Switzerland*

<sup>2</sup> *Hospital for Special Surgery, New York City, Switzerland*

12:04 - 12:12

**OP-9. Management and outcome of acute postoperative infections after arthroscopic rotator cuff repair in the shoulder.**

**A prospective cohort study.**

*Kjersti Kaul Jenssen<sup>1</sup>, Kirsten Lundgreen<sup>1</sup>, Jan Erik Madsen<sup>2</sup>, Sigbjørn Dimmen<sup>1</sup>*

<sup>1</sup> *Lovisenberg Diaconal Hospital, Oslo, Norway*

<sup>2</sup> *Oslo University Hospital, Oslo, Norway*

### SCIENTIFIC SESSION 2

#### MISCELLANEOUS - I

Moderators: **Dennis Liem (Germany)**

**Antonio Cartucho (Portugal)**

ROOM PAVILLON · 11:00 - 12:15

11:00 - 11:08

**OP-10. How do we deliver our findings? analysis of podium presentations in shoulder meetings**

*Joan Miquel<sup>1</sup>, Fernando Santana<sup>2</sup>, Carlos Torrens<sup>2</sup>*

<sup>1</sup> *Consorci Sanitari de l'Anoia, Igualada, Spain*

<sup>2</sup> *Parc de Salut Mar, Barcelona, Spain*

11:08 - 11:16

**OP-11. Concomitant glenohumeral pathologies associated with acute and chronic grade III and grade V acromioclavicular joint injuries**

*Gunnar Jensen<sup>1</sup>, Peter James Millett<sup>2</sup>, Dimitri Satesh Taha<sup>3</sup>, Mireille Al Ibad<sup>1</sup>, Helmut Lill<sup>4</sup>, Jan Christoph Katthagen<sup>4</sup>*

<sup>1</sup> *Diakovere Friederikenstift, Hannover, Germany*

<sup>2</sup> *The Steadman Clinic, Vail, Germany*

<sup>3</sup> *Steadman Philippon Research Institute, Vail, United States*

<sup>4</sup> *Department of Trauma, Hand and Reconstructive Surgery University Hospital Münster, Münster, Germany*

11:16 - 11:24

**OP-12. Analysis of complications after arthroscopic stabilization of chronic ac-joint instabilities with a gracilis tendon graft and tight-rope augmentation**

*Carmen Hann, Nina Maziak, Marvin Minkus, Natascha Kraus, Markus Scheibel*

*Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany*

11:24 - 11:32

**OP-13. Mid- to longterm outcome of glenohumeral microfracturing**

*Julia K. Frank<sup>1</sup>, Lukas Bauer<sup>2</sup>, Philipp R. Heuberger<sup>1</sup>, Ulrich Lanz<sup>2</sup>, Brenda Laky<sup>1</sup>, Christian Wurnig<sup>2</sup>, Werner Anderl<sup>1</sup>, Leo Pauzenberger<sup>1</sup>*

<sup>1</sup> *St Vincent Shoulder & Sports Clinic, Vienna, Austria*

<sup>2</sup> *I Orthopaedic Department, Orthopaedic Hospital Speising, Vienna, Austria*

11:32 - 11:40

**OP-14. Treatment of focal glenohumeral cartilage defects with autologous chondrocyte transplantation – preliminary results**

*Elisabeth Böhm, Marvin Minkus, Anna Krukenberg, Markus Scheibel*

*Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany*

11:40 - 11:48

**OP-15. Sham surgery for SLAP lesions of the shoulder**

*Cecilie Piene Schröder<sup>1</sup>, Øystein Skare<sup>1</sup>, Olav Reikerås<sup>2</sup>, Petter Mowinckel<sup>2</sup>, Jens Ivar Brox<sup>2</sup>*

<sup>1</sup> *Lovisenberg Diaconal Hospital, Oslo, Norway*

<sup>2</sup> *Oslo University Hospital, Oslo, Norway*

11:48 - 11:56

**OP-16. Tenodesis renders superior long-term outcomes for isolated supraspinatus tears with biceps pathology in younger patients**

*Arnaud Godenèche<sup>1</sup>, Philippe Collin<sup>2</sup>, Gilles Walch<sup>1</sup>, Philippe Valenti<sup>3</sup>, Pierre Mansat<sup>4</sup>, Jean-François Kempf<sup>6</sup>*

<sup>1</sup> *Ramsay Générale de Santé, Hôpital Privé Jean Mermoz, Centre Orthopédique Santy, Lyon, France*

<sup>2</sup> *Clinique Saint Grégoire, Saint Grégoire, France*





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<sup>3</sup> Institut parisien de l'épaule, Paris, France

<sup>4</sup> CHU de Toulouse, Toulouse, France

<sup>5</sup> CHRU de Strasbourg, Strasbourg, France

11:56 - 12:04

#### OP-17. Brain recovery is only partial after anterior shoulder stabilization

Alexandre Lädermann<sup>1</sup>, Grégory Cunnigham<sup>2</sup>

<sup>1</sup> La Tour Hospital, Meyrin, Switzerland

<sup>2</sup> La Colline Hirslanden, Geneva, Switzerland

12:04 - 12:12

#### OP-18. Is economic evaluation in orthopedic surgery an obstacle to innovation? The Latarjet procedure example.

Christel Conso, Emmanuel De Thomasson, Olivier Guingand, Richard Terracher, Christian Mazel

Institut Mutualiste Montsouris, Paris, France

<sup>2</sup> Clinica Nuova Iltor, Dept Of Orthopaedics and Traumatology, Rome, Italy

<sup>3</sup> Ospedale San Camillo de Lellis, Dept Of Orthopaedics and Traumatology, Rieti, Italy

14:38 - 14:46

#### OP-20. Is central skeleton bone quality a predictor of the severity of proximal humeral fractures?

Jae-Hoo Lee, In Park, Hwan-Sub Hyun, Yoon-Sang Jeon, Sang-Jin Shin

Ewha Womans University Mokdong Hospital, Seoul, South Korea

14:46 - 14:54

#### OP-21. Can the knowledge of the glenohumeral relationship be helpful in the treatment of proximal humeral fractures?

Alexander Gallant, Thomas Van Isterdael, Lieven De Wilde, Alexander Van Tongel

University Hospital Gent, Gent, Belgium

14:54 - 15:02

#### OP-22. Five year follow-up results of the PROFHER randomised clinical trial

Amar Rangan<sup>1</sup>, Helen Handoll<sup>2</sup>, Stephen Brealey<sup>3</sup>, Ada Keding<sup>3</sup>, Belen Corbacho-Martin<sup>3</sup>, Catherine Hewitt<sup>3</sup>

<sup>1</sup> The James Cook University Hospital, Middlesbrough, United Kingdom

<sup>2</sup> Teesside University, Middlesbrough, United Kingdom

<sup>3</sup> University of York, York, United Kingdom

15:02 - 15:10

#### OP-23. Locked plating for displaced proximal humeral fractures - outcome and complications in 1104 consecutive cases.

Ben Ockert, Mark Daferner, Niklas Biermann, Georg Siebenbürger, Mirjam Lange, Tobias Helfen, Wolfgang Böcker

Shoulder and Elbow Service, Munich University Hospital (LMU), Munich, Germany

15:10 - 15:18

#### OP-24. Applicability and clinical 1-year-results of an evidence-based treatment algorithm for proximal humerus fractures – a prospective analysis

Christian Spross, Jan Meester, Ruben Angiolo Mazzucchelli, Vilijam Zdravkovic, Gabor Puskas, Bernhard Jost

Kantonsspital St Gallen, St Gallen, Switzerland

15:18 - 15:26

#### OP-25. Results and therapeutic management of combined fractures of the glenoid and proximal humerus

Matthias Königshausen, Eileen Mempel, Valentin Rausch, Alexander Von Glinski, Jan Gessmann, Thomas Armin Schildhauer, Dominik Seybold

University Bergmannsheil Bochum, Bochum, Germany

### SECEC 2017 GUEST LECTURE

#### Forensic Medicine - What is new in the 21st century?

ROOM POTSDAM · 12:15 - 12:45



**Prof. Michael Tsokos**

Director of the Institute of Legal Medicine and Forensic Sciences, Charité-Universitaetsmedizin Berlin, Germany

### LUNCH WORKSHOPS (INDUSTRY SPONSORED)



12:55 - 14:25

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### SCIENTIFIC SESSION 3

#### SHOULDER FRACTURES

Moderators: **Harry Georgousis (Greece)**

**Helmut Lill (Germany)**

ROOM POTSDAM · 14:30 - 16:00

14:30 - 14:38

#### OP-19. Patterns of osteoporotic proximal humerus fractures

Stefano Carbone<sup>1</sup>, Matteo Papalia<sup>2</sup>, Valerio Arceri<sup>3</sup>, Riccardo Mezzoprete<sup>3</sup>, Andrea Carbone<sup>1</sup>

<sup>1</sup> Sapienza University of Rome, Dept Of Molecular Medicine, Rome, Italy





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### THURSDAY, SEPTEMBER 14<sup>th</sup>

15:26 - 15:34

**OP-26. Inferior outcome after shoulder arthroplasty for failed osteosynthesis in proximal humeral fractures compared with primary shoulder arthroplasty of proximal humeral fractures: a registry-based study of 285 cases.**

*Marc Randall Kristensen<sup>1</sup>, Jeppe Vejlgard Rasmussen<sup>1</sup>, Brian Elmen-gaard<sup>2</sup>, Steen Lund Jensen<sup>3</sup>, Bo Sanderhoff Olsen<sup>1</sup>, Stig Brorson<sup>1</sup>*

<sup>1</sup> Herlev Hospital, Copenhagen, Denmark

<sup>2</sup> Aarhus University Hospital, Aarhus, Denmark

<sup>3</sup> Aalborg University Hospital, Aalborg, Denmark

15:34 - 15:42

**OP-27. Early versus late reverse shoulder arthroplasty for proximal humerus fractures: does it matter?**

*Adam Seidl<sup>1</sup>, Daniel Sholder<sup>2</sup>, William Warrender<sup>2</sup>, Michael Livesey<sup>2</sup>, Gerald Williams<sup>2</sup>, Joseph Abboud<sup>2</sup>, Surena Namdar<sup>2</sup>*

<sup>1</sup> University of Colorado, Aurora, Co, United States

<sup>2</sup> The Rothman Institute, Philadelphia, Pa, United States

15:42 - 15:50

**OP-28. Reverse shoulder arthroplasty for fracture sequelae with minimum 5-year follow-up**

*Brian L. Seeto<sup>1</sup>, Mikaël Chelli<sup>1</sup>, Gilles Clowez<sup>1</sup>, Lionel Neyton<sup>2</sup>, Christophe Trojani<sup>1</sup>, Pascal Boileau<sup>1</sup>*

<sup>1</sup> IJLS - Hôpital Pasteur<sup>2</sup>, Nice, France

<sup>2</sup> Centre Médical Santy, Lyon, France

15:50 - 15:58

**OP-29. Intramedullary nailing in the treatment of humeral shaft fractures: distal interlocking or not?**

*Romain Colombi, Adrien Bevand, Ludovic Labattut, Brice Viard, Pierre Martz, Emmanuel Baulot*

*Dijon university hospital, Department of Orthopaedic surgery, Dijon, France*

#### SCIENTIFIC SESSION 4

#### BASIC SCIENCE

Moderators: **Janne Lehtinen (Finland)**  
**Philipp Moroder (Germany)**

ROOM PAVILLON · 14:30 - 16:00

14:30 - 14:38

**OP-30. Hypoxia, apoptosis and oxidative stress in rotator cuff fibroblasts**

*Hyung Bin Park, Mincheol Kam, Jin-Hyung Im, Ji-Yong Gwark*  
*Department of Orthopaedic Surgery, Gyeongsang National University*  
*Changwon Hospital, Changwon, South Korea*

14:38 - 14:46

**OP-31. PARP-1 Inhibition improves healing in a rat model of acute rotator cuff repair**

*Mike B. Künzler<sup>1</sup>, Matthias A. Zumstein<sup>1</sup>, Michelle H. McGarry<sup>2</sup>, Masaki Akeda<sup>2</sup>, Hansel E. Ihr<sup>2</sup>, Agnieszka Karo<sup>3</sup>, Brigitte Von Rechenberg<sup>3</sup>, Thay Q. Lee<sup>2</sup>*

<sup>1</sup> Inselspital University Hospital Bern, Bern, Switzerland

<sup>2</sup> VA Long Beach Healthcare System, Long Beach, United States

<sup>3</sup> Vetsuisse Faculty University of Zurich, Zurich, Switzerland

14:46 - 14:54

**OP-32. Regeneration capacity of the irreversibly fattened rotator cuff after transplantation allogenic mesenchymal stem cells and myocytes in a rat model.**

*Mehmet Fatih Gülecüyüz<sup>1</sup>, Konstanz Eichmüller<sup>2</sup>, Matthias Frank Pietschmann<sup>1</sup>, Birte Sievers<sup>3</sup>, Andreas Ficklscherer<sup>4</sup>, Björn Peter Roßbach<sup>5</sup>, Thomas Richard Niethammer<sup>6</sup>, Peter Ernst Müller<sup>6</sup>*

<sup>1</sup> Department of Orthopaedics, Physical Medicine and Rehabilitation - Medical Center of the University of Munich (Ludwig-Maximilian-University), Munich, Germany

<sup>2</sup> Department of Traumatology and Orthopaedics, Klinikum Landsberg am Lech, Germany

<sup>3</sup> Numares AG, Regensburg, Germany

<sup>4</sup> Orthopädie Oberland, Weilheim i. Ob., Germany

<sup>5</sup> Chirurgisch-Traumatologisches Zentrum, Asklepios Klinik St. Georg, Hamburg, Germany

<sup>6</sup> Department of Orthopaedics, Physical Medicine and Rehabilitation - Medical Center of the University of Munich, Germany

14:54 - 15:02

**OP-33. Perspectives in rotator cuff repair with tenocytes and scaffold**

*Björn Peter Roßbach<sup>1</sup>, Matthias Frank Pietschmann<sup>2</sup>, Lena Kempfert<sup>3</sup>, Mehmet Fatih Gülecüyüz<sup>2</sup>, Bärbel Schmitt<sup>2</sup>, Peter Ernst Müller<sup>2</sup>*

<sup>1</sup> Asklepios Klinik St. Georg, Chirurgisch-Traumatologisches Zentrum, Sektion Knie-, Schulter- und Ellengelenkchirurgie, Sporttraumatologie, Hamburg; Klinikum der Universität München, LMU, Campus Großhadern, Klinik und Poliklinik für Orthopädie, Physikalische Medizin und Rehabilitation, München, Germany

<sup>2</sup> Klinikum der Universität München, LMU, Campus Großhadern, Klinik und Poliklinik für Orthopädie, Physikalische Medizin und Rehabilitation, München, Germany

<sup>3</sup> RoMed Klinikum Rosenheim, Klinik für Urologie und Kinderurologie, Rosenheim; Klinikum der Universität München, LMU, Campus Großhadern, Klinik und Poliklinik für Orthopädie, Physikalische Medizin und Rehabilitation, München, Germany





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15:02 - 15:10

**OP-34. What is the best surgical knot for high-strength suture material? A biomechanical study**

*Thorsten Jentzsch<sup>1</sup>, Elias Bachmann<sup>2</sup>, Alexandre Lädemann<sup>3</sup>, Georg Lajtai<sup>4</sup>, Dominik C Meyer<sup>1</sup>*

<sup>1</sup> Balgrist University Hospital, Zürich, Switzerland

<sup>2</sup> The Balgrist, Zürich, Switzerland

<sup>3</sup> La Tour Hospital, Meyrin, Switzerland

<sup>4</sup> Private Hospital Maria Hilf, Klagenfurt, Austria

15:10 - 15:18

**OP-35. Feasibility of lower trapezius and rhomboid minor transfer for irreparable subscapularis tears: anatomic cadaveric study**

*Marco Cartaya<sup>1</sup>, Pablo Canales<sup>2</sup>, Gwenole Kermarrec<sup>1</sup>, Philippe Valenti<sup>1</sup>*

<sup>1</sup> Paris shoulder unit, Paris, France

<sup>2</sup> Clinica Indisa, Santiago, Chile

15:18 - 15:26

**OP-36. Metabolomic profiling of serum and capsular tissue from patients with adhesive capsulitis: a preliminary study**

*Hyo-Jin Lee, Yang-Soo Kim, Jong-Ho Kim, Gwang Young Sung, Dong-Jin Kim*

Seoul St Mary hospital, Catholic University of Korea, Seoul, South Korea

15:26 - 15:34

**OP-37. Neuroanatomical distribution of sensory receptors in the human elbow joint capsule**

*Erica Kholinne<sup>1</sup>, Hyun Joo Lee<sup>2</sup>, Maria Florencia Deslivia<sup>3</sup>, Ga Yeong Kim<sup>4</sup>, In-Ho Jeon<sup>4</sup>*

<sup>1</sup> Upper Extremity Unit, Department of Orthopedic Surgery, St Carolus Hospital, Jakarta, Indonesia

<sup>2</sup> Department of Orthopedic Surgery, Kyungpook National University Hospital, Daegu, South Korea

<sup>3</sup> Korea Institute of Science and Technology, Seoul, South Korea

<sup>4</sup> Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan, Seoul, South Korea

15:34 - 15:42

**OP-38. Scapular morphology in patients with Hill-Sachs lesions using statistical shape modeling**

*Adam Matthijs Jacxsens<sup>1</sup>, Shireen Y Elhabian<sup>2</sup>, Robert Z Tashjian<sup>1</sup>, Heath B Henninger<sup>3</sup>*

<sup>1</sup> Department of Orthopaedics, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States

<sup>2</sup> Scientific Computing and Imaging Institute, University of Utah, Salt Lake City, United States

<sup>3</sup> Department of Orthopaedics and Department of Bioengineering, Orthopaedic Research Laboratory, University of Utah, Salt Lake City, United States

15:42 - 15:50

**OP-39. Biomechanical comparison of three different plate configuration for clavicle midshaft fracture fixation**

*Gokcer Uzer<sup>1</sup>, Fatih Yildiz<sup>1</sup>, Suat Batar<sup>1</sup>, Kerem Bilsef<sup>1</sup>, Ergun Bozdog<sup>2</sup>, Hacer Kuduk<sup>2</sup>*

<sup>1</sup> Department of Orthopedics and Traumatology, Bezmialem Vakif University School of Medicine, Istanbul, Turkey

<sup>2</sup> Biomechanics Laboratory, Faculty of Mechanics, Istanbul Technical University, Istanbul, Turkey

15:50 - 15:58

**OP-40. Glenoid defect reconstruction with RSA.**

**A biomechanical analysis comparing partial anterior bone graft augmentation versus bone joint line reconstruction**

*Dominik Florian Seybold<sup>1</sup>, Matthias Königshausen<sup>1</sup>, Nina Sverdlova<sup>2</sup>, Christoph Ehler<sup>2</sup>, Corinna Mersmann<sup>1</sup>, Birger Jettkant<sup>1</sup>, Rolf Dermietzel<sup>3</sup>, Thomas Armin Schildhauer<sup>1</sup>*

<sup>1</sup> Berufsgenossenschaftliches Universitätsklinikum Bergmannsheil, Bochum, Germany

<sup>2</sup> Research Group of Biomechanics, Department of Mechanical Engineering, Ruhr-University, Bochum, Germany

<sup>3</sup> Institute of Anatomy, Neuroanatomy and Molecular Brain Research Ruhr-University, Bochum, Germany

### SCIENTIFIC SESSION 5

#### SHOULDER INSTABILITY

Moderators: **Nicole Pouliart (Belgium)**

**Andreas Werner (Germany)**

ROOM POTSDAM · 16:30 - 18:00

16:30 - 16:38

**OP-41. Long-term outcome of the arthroscopic Bankart procedure**

*Marianne Larsen Van Gastel<sup>1</sup>, Nienke W Willigenburg<sup>1</sup>, Lea Dijkman<sup>2</sup>, Rob Lindeboom<sup>3</sup>, Michel PJ Van Den Bekerom<sup>1</sup>, Victor PM Van Der Hulst<sup>1</sup>, Derek FP Van Deuren<sup>1</sup>, Jaap Willems<sup>4</sup>*

<sup>1</sup> OLVG, Amsterdam, Netherlands, The

<sup>2</sup> St Antonius ziekenhuis, Nieuwegein, Netherlands, The

<sup>3</sup> Academisch Medisch Centrum, Amsterdam, Netherlands, The

<sup>4</sup> Shoulder and Elbow Unit, Lairesse Kliniek, Amsterdam, Netherlands, The

16:38 - 16:46

**OP-42. Can the ISIS score be improved? a retrospective study of arthroscopic Bankart repair in patients over 30 years of age.**

**Clinical and radiologic results at more than 10 years follow-up**  
*Damien Delgrande<sup>1</sup>, Jean-David Wertheil<sup>1</sup>, Grégoire Ciais<sup>1</sup>, Shanbaz Klouche<sup>1</sup>, Guillaume Lonjon<sup>2</sup>, Philippe Hardy<sup>1</sup>*

<sup>1</sup> Hôpital Ambroise Paré University of Paris Ile de France Ouest, Boulogne Billancourt, France

<sup>2</sup> Hôpital Européen Georges Pompidou University of Paris Descartes, Boulogne Billancourt, France





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

## SCIENTIFIC PROGRAM

### THURSDAY, SEPTEMBER 14<sup>th</sup>

16:46 - 16:54

#### OP-43. Clinical and radiological outcomes of open Latarjet procedure in patients older than 40 years

*Peter Domas<sup>1</sup>, Enricomaria Lunin<sup>2</sup>, Lionel Neyton<sup>3</sup>, Arnaud Godeneche<sup>3</sup>, Gilles Walch<sup>3</sup>*

<sup>1</sup> Northern General Hospital, Sheffield Teaching Hospitals NHS Trust, Sheffield, United Kingdom

<sup>2</sup> Orthopaedic Unit, Hospital of Guastalla, Reggio Emilia, Italy

<sup>3</sup> Centre Orthopedique Santy and Hôpital Prive Jean Mermoz, Lyon, France

16:54 - 17:02

#### OP-44. Analysis of complications after open coracoid transfer as revision surgery following arthroscopic soft tissue stabilization – 2 years follow up

*Christian Gerhardt, Julia Wolke, Marvin Minkus, Herrmann Diem Anh, Markus Scheibel*

Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany

17:02 - 17:10

#### OP-45. Arthroscopic Latarjet Bankart: specific glenoid and coracoid guide and double cortical endobutton fixation. Clinical and CT-scan results of the first 46 cases.

*Philippe Patrick Valenti, Marco Cartaya, Jean David Werthel*

Paris shoulder unit, Paris, France

17:10 - 17:18

#### OP-46. Arthroscopic Latarjet procedure: can a standardized technique decrease complications?

*Pascal Boileau, Patrick Gendre, David Saliken, Brian Seeto, Thomas D'Ollonne, Olivier Gastaud, Jean-François Gonzalez*

IULS - Hôpital Pasteur<sup>2</sup>, Nice, France

17:18 - 17:26

#### OP-47. Arthroscopic Latarjet restores glenoid track and provides superior postoperative stability over arthroscopic Bankart in "off-track" unstable shoulders.

*Emilio Calvo, Daniel Rojas, Diana Morcillo, Alba Jimenez, Alberto Masegosa, Javier Fernandez Jara, Maria Valencia*

Hospital Fundación Jimenez Diaz, Madrid, Spain

17:26 - 17:34

#### OP-48. Clinical and radiological long-term results after implant-free autologous iliac crest bone graft transfer procedure for the treatment of anterior shoulder instability

*Philipp Moroder<sup>1</sup>, Fabian Plache<sup>2</sup>, Johannes Becker<sup>2</sup>, Eva Schulz<sup>2</sup>, Alexander Auffarth<sup>2</sup>, Herbert Resch<sup>2</sup>*

<sup>1</sup> Charité Universitaetsmedizin, Berlin, Germany

<sup>2</sup> PMU, Salzburg, Austria

17:34 - 17:42

#### OP-49. Mid- to long-term results of arthroscopic glenoid reconstruction using an arthroscopic, autologous iliac crest bone grafting technique.

*Marvin Minkus, Elisabeth Böhm, Natascha Kraus, Philipp Moroder, Markus Scheibel*

Center for Musculoskeletal Surgery, Charité-Universitaetsmedizin Berlin, Germany

17:42 - 17:50

#### OP-50. Outcomes of Latarjet versus distal tibia allograft for anterior shoulder instability repair: a prospective matched cohort analysis

*Rachel M Frank<sup>1</sup>, Catherine J Richardson<sup>1</sup>, Michael C O'Brien<sup>1</sup>, Jon M Newgren<sup>1</sup>, Nikhil N Verma<sup>1</sup>, Brian J Cole<sup>1</sup>, Mathew T Provencher<sup>2</sup>, Anthony A Romeo<sup>1</sup>*

<sup>1</sup> RUSH University Medical Center, Chicago, United States

<sup>2</sup> The Steadman Clinic, Vail, United States

17:50 - 17:58

#### OP-51. Management of recurrent posterior shoulder instability initially voluntary that became secondarily involuntary: a multicentric study of 37 patients

*Marie-Beatrice Hardy<sup>1</sup>, Arnaud Godenèche<sup>2</sup>, Pierre Mansat<sup>3</sup>, Pascal Boileau<sup>4</sup>, Olivier Gastaud<sup>4</sup>, Geoffroy Nourissat<sup>5</sup>, Jérôme Garret<sup>6</sup>*

<sup>1</sup> Clinique Mutualiste, Saint Etienne, France

<sup>2</sup> Centre Orthopédique Santy, Lyon, France

<sup>3</sup> Centre Hospitalier Universitaire, Toulouse, France

<sup>4</sup> Centre Hospitalier Universitaire, Nice, France

<sup>5</sup> Clinique de Maussins, Paris, France

<sup>6</sup> Clinique du Parc, Lyon, France

### SCIENTIFIC SESSION 6

#### ELBOW I (INSTABILITY & OTHERS)

Moderators: **Roberto Rotini (Italy)**

**Michael Geyer (Germany)**

ROOM PAVILLON · 16:30 - 18:00

16:30 - 16:38

#### OP-52. Relevant anatomy of the lateral collateral ligament of the elbow. An anatomic study

*Daide Blonna<sup>1</sup>, Enrico Bellato<sup>2</sup>, Francesco Caranzano<sup>1</sup>, Filippo Castoldi<sup>2</sup>*

<sup>1</sup> Maurizioano-Umberto I Hospital, University of Turin Medical School, Turin, Italy

<sup>2</sup> San Luigi Gonzaga Hospital, University of Turin Medical School, Turin, Italy







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## SCIENTIFIC PROGRAM

### THURSDAY, SEPTEMBER 14<sup>th</sup>

16:38 - 16:46

**OP-53. Effect of capsule repair on rotational and varus stability in PLRI reconstruction**

*Mike Künzler<sup>1</sup>, Hansel E Ihrn<sup>2</sup>, Masaki Akeda<sup>2</sup>, Michelle H MCGarry<sup>2</sup>, Matthias A Zumstein<sup>1</sup>, Thay Q Lee<sup>2</sup>*

<sup>1</sup>. Inselspital University Hospital Bern, Bern, Switzerland

<sup>2</sup>. VA Long Beach Healthcare System, Long Beach, United States

16:46 - 16:54

**OP-54. Tennis elbow: a psychological condition?**

*Aurelie Aben<sup>1</sup>, Nadine Hollevoet<sup>1</sup>, Carlos Henriquez<sup>2</sup>, Marc Vandeweerd<sup>2</sup>, Koen Ponnet<sup>3</sup>, Lieven De Wilde<sup>1</sup>, Alexander Van Tongel<sup>1</sup>*

<sup>1</sup>. University Hospital Gent, Gent, Belgium

<sup>2</sup>. Fedris, Brussel, Belgium

<sup>3</sup>. University Gent, Gent, Belgium

16:54 - 17:02

**OP-55. Transcatheter arterial embolization of abnormal vessels as a treatment for lateral epicondylitis refractory to conservative treatment**

*Yuji Okuno<sup>1</sup>, Wataru Iwamoto<sup>1</sup>, Hiroyasu Ikegami<sup>2</sup>*

<sup>1</sup>. Edogawa hospital, Tokyo, Japan

<sup>2</sup>. Toho University, Tokyo, Japan

17:02 - 17:10

**OP-56. Two year follow results of arthroscopic lateral collateral ligament imbrication to treat posterolateral rotatory instability of the elbow**

*Neil Jarvis<sup>1</sup>, Roger Van Riet<sup>2</sup>*

<sup>1</sup>. Sint Augustinus Hospital, Wilrijk, Belgium

<sup>2</sup>. AZ Monica and University of Antwerp, Antwerp, Belgium

17:10 - 17:18

**OP-57. The stiff but unstable elbow: midterm results after arthrolysis and ligament stabilization**

*Stephanie - Geyer<sup>1</sup>, Christian - Schoch<sup>2</sup>, Michael - Geyer<sup>2</sup>*

<sup>1</sup>. St Vinzenz Klinik Pfronten / Städtisches Klinikum Lüneburg, Pfronten/ Lüneburg, Germany

<sup>2</sup>. St Vinzenz Klinik Pfronten, Pfronten, Germany

17:18 - 17:26

**OP-58. Treatment of pediatric chronic posterior radial head dislocations**

*Dave R Shukla, Maegan Shields, Anthony Vaichinger, Andrew Assenmacher, James S Fitzsimmons, Shawn W O'Driscoll*

Mayo Clinic, Rochester, United States

17:26 - 17:34

**OP-59. The majority of isolated coronoid fractures and fracture dislocations can be treated conservatively**

*Antonio M Foruria, Jesus Cobos, Begoña Gutierrez San Jose, Maria Valencia Mora, Diana Morcillo, Emilio Calvo*

Fundacion Jimenez Diaz, Madrid, Spain

17:34 - 17:42

**OP-60. Clinical outcome following reconstruction of subacute distal biceps tendon ruptures**

*Kathi Thiele, Christian Gerhardt, Laura König, Markus Scheibel*

Center for Musculoskeletal Surgery, Charité-Universitätsmedizin Berlin, Germany

17:42 - 17:50

**OP-61. Fragment-specific double locking plate osteosynthesis and osteosuture augmentation of complex triceps avulsion fractures in the elderly patient**

*Sebastian Kloetzer<sup>1</sup>, Elena Dobre-Sima<sup>1</sup>, Lars-Peter Mueller<sup>2</sup>, Kilian Wegmann<sup>2</sup>, Lars Gehard Großterlinden<sup>3</sup>, Konrad Mader<sup>1</sup>*

<sup>1</sup>. Section Upper Extremity, TOC, AKA, Hamburg, Germany

<sup>2</sup>. Center for Trauma, Elbow and Hand Surgery, Universitiy Clinic Cologne, Cologne, Germany

<sup>3</sup>. TOC, AKA, Hamburg, Germany

17:50 - 17:58

**OP-62. Vascularity visualized by doppler sonography as a predictor of healing potential of the osteochondritis dissecans of the humeral capitellum**

*Yoshikazu Kida, Toru Morihara, Yoshihiro Kotoura, Tsuyoshi Sukenari, Ryuhei Furukawa, Yukichi Kabuto, Okihiro Onishi, Masataka Minami, Hiroyoshi Fujiwara, Toshikazu Kubo*

Department of Orthopaedics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan

17:58 - 18:06

**OP-62A. Role of the lateral collateral ligament in posteromedial rotatory instability of the elbow**

*Enrico Bellato, Youngbok Kim, James S. Fitzsimmons, Alexander W. Hooke, Lawrence J. Berglund, Daniel R. Bachman, Shawn W. O'Driscoll*

Mayo Clinic, Department of Orthopedics, Rochester, Minnesota, United States





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## SCIENTIFIC PROGRAM

FRIDAY, SEPTEMBER 15<sup>th</sup>

### INSTRUCTIONAL COURSE LECTURE 4

#### THE STIFF ELBOW

Chair: Stefan Greiner (Germany)

ROOM PAVILLON · 07:30 - 08:45

07:30 - 07:45

**Posttraumatic stiffness - how to avoid and how to treat**

Christian Gerhardt

Germany

07:45 - 08:00

**Open treatment of the stiff elbow - indications and outcome**

Alberto Schneeberger

Switzerland

08:00 - 08:15

**Arthroscopic treatment of stiff elbow**

Stefan Greiner

Germany

08:15 - 08:30

**Nerve related complications in the treatment of the stiff elbow**

Davide Blonna

Italy

08:30 - 08:45

**Discussion**

### INSTRUCTIONAL COURSE LECTURE 5

#### CLINICAL EXAMINATION OF THE ROTATOR CUFF

Chair: Alexandre Lädermann (Switzerland)

ROOM CHARLOTTENBURG I-II · 07:30 - 08:45

07:35 - 07:50

**Examination of the subscapularis**

Johannes Barth

France

07:50 - 08:05

**Examination of the supraspinatus**

Anthony Romeo

USA

08:05 - 08:20

**Examination of the infraspinatus**

Alexandre Lädermann

Switzerland

08:20 - 08:35

**Examination of the teres minor**

Philippe Collin

France

08:35 - 08:45

**Discussion**

### INSTRUCTIONAL COURSE LECTURE 6

#### SHOULDER ARTHROPLASTY REGISTRY – WHERE ARE WE NOW?

Chair: Bo Olsen (Denmark), Luc Favard (France)

ROOM BELLEVUE · 07:30 - 08:45

07:30 - 07:38

**Danish Shoulder Arthroplasty Registry (DSR);  
Maintenance and how to optimize the data set  
in a national registry**

Steen Lund Jensen

Denmark

07:38 - 07:46

**Swedish Shoulder Arthroplasty Registry historic overview  
and international cooperation with focus on NARA (common  
data set) and SECEC registry committee**

Björn Salomonsson

Sweden

07:46 - 07:54

**Registry Data and treatment of arthrosis. Clinical impact.**

Jeppe Rasmussen

Denmark

07:54 - 08:04

**The Australian Shoulder Arthroplasty Registry. Registry  
data on revision surgery and treatment of the cuff deficient  
shoulder**

Richard Page

Australia

08:04 - 08:12

**British Shoulder Arthroplasty Registry. Development of a  
new national registry, creation of and presenting the dataset,  
securing immediate national impact and impact of registry  
data on the treatment of shoulder fractures**

Jonathan Rees

UK

08:12 - 08:20

**German Shoulder Arthroplasty Registry. Creating a national  
voluntary registry with a focus on a strong dataset. Strengths  
and weaknesses**

Petra Magosch

Germany

08:20 - 08:45

**Discussion**





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## SCIENTIFIC PROGRAM

FRIDAY, SEPTEMBER 15<sup>th</sup>

### JSES SESSION 2

#### SHOULDER

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

ROOM TIERGARTEN • 07:30 - 08:45

In the focus of interest:

The most frequently cited European JSES papers

**Shoulder arthroplasty in the young – anatomic or reverse design to prefer?**

Christian Gerber (Switzerland)

**Reverse total shoulder arthroplasty for massive irreparable rotator cuff tears in patients younger than 65 years old:**

**Results after five to fifteen years. (Cited by 65 papers)**

Ek, E.T.H., Neukom, L., Catanzaro, S., Gerber, C.

*J Shoulder Elbow Surg.* 2013 Sep;22(9):1199-208. doi:

10.1016/j.jse.2012.11.016

Lars Lehmann (Germany)

**EBM analysis**

Patric Raiss (Germany)

**Mid- to long-term follow-up of total shoulder arthroplasty using a keeled glenoid in young adults with primary glenohumeral arthritis.**

(Cited by 42 papers)

Denard, P.J., Raiss, P., Sowa, B., Walch, G.

*J Shoulder Elbow Surg.* 2013 Jul;22(7):894-900. doi:

10.1016/j.jse.2012.09.016

Lars Lehmann (Germany)

**EBM analysis**

**Crossfire discussion:**

**Age limits and preferable design in younger patients**

Case discussion with C. Gerber, P. Raiss and the audience using live poll

### SCIENTIFIC SESSION 7

#### ROTATOR CUFF - II

Moderators: Ofer Levy (UK)

Dirk Boehm (Germany)

ROOM POTSDAM • 09:00 - 10:30

09:00 - 09:08

**OP-63. Partial subscapularis tears – should we repair?**

Barbara Wirth, Hans-Kaspar Schwyzer, Matthias Flury, Maximilian

Lenz, Laurent Audigé

Schulthess Clinic, Zurich, Switzerland

09:08 - 09:16

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

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

Klinik Fleetinsel Hamburg, Hamburg, Germany

09:16 - 09:24

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

Christoph Bartl<sup>1</sup>, Florian Elser<sup>2</sup>, Janna Dolde<sup>3</sup>, Stefan Eichhorn<sup>4</sup>, Florian Gebhard<sup>6</sup>

<sup>1</sup> Orthopaedic Center Munich, Munich, Germany

<sup>2</sup> Helsingpark-Clinic, Augsburg, Germany

<sup>3</sup> Dep of Orthopaedic Trauma Surgery, Ulm University, Ulm, Germany

<sup>4</sup> Technical University Munich, Munich, Germany

09:24 - 09:32

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

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

Yeosu Baek hospital, Yeosu, South Korea

09:32 - 09:40

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

Hyung Bin Park<sup>1</sup>, Ji-Yong Gwark<sup>1</sup>, Mincheol Kam<sup>1</sup>, Dong Kyu Moon<sup>2</sup>

<sup>1</sup> Department of Orthopaedic Surgery, Gyeongsang National University Changwon Hospital, Changwon, South Korea

<sup>2</sup> Department of Orthopaedic Surgery, Gyeongsang National University Hospital, Jinju, South Korea

09:40 - 09:48

**OP-68. Poor short-term outcomes of the biodegradable subacromial spacer in patients with massive rotator cuff tears. A prospective study.**

Miguel Angel Ruiz Ibán, Alejandro Lorente Gomez, Jorge Díaz

Heredia, Raquel Ruiz Díaz, Roselyn Alvarez Sciamara

Hospital Universitario Ramón y Cajal, Madrid, Spain

09:48 - 09:56

**OP-69. 2-Year results after implantation of the inspace balloon**

Lukas Bauer, Alexandra Pokorny-Olsen, Dominik Meraner, Peter

Buxbaumer, Ulrich Lanz, Christian Wurnig

Orthopädisches Spital Wien-Speising, Orthopädische Abteilung, Vienna, Austria





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## SCIENTIFIC PROGRAM

FRIDAY, SEPTEMBER 15<sup>th</sup>

09:56 - 10:04

**OP-70. Arthroscopic superior capsule reconstruction eliminates pseudoparalysis in patients with irreparable rotator cuff tears**

*Teruhisa Mihata<sup>1</sup>, Thay Q Lee<sup>2</sup>, Akihiko Hasegawa<sup>1</sup>, Takeshi Kawakami<sup>3</sup>, Kunimoto Fukunishi<sup>4</sup>, Yukitaka Fujisawa<sup>5</sup>, Mutsumi Ohue<sup>6</sup>, Masashi Neo<sup>1</sup>*

<sup>1</sup> Osaka Medical College, Takatsuki, Japan

<sup>2</sup> Orthopaedic Biomechanics Laboratory, Long Beach, United States

<sup>3</sup> Towakai hospital, Takatsuki, Japan

<sup>4</sup> Shimizu hospital, Kyoto, Japan

<sup>5</sup> Yaenosato hospital, Higashi-Osaka, Japan

<sup>6</sup> Katsuragi hospital, Kishiwada, Japan

10:04 - 10:12

**OP-71. What is the best type of arthroscopic fixation technique for the latissimus dorsi transfer?**

*Jean Kany<sup>1</sup>, Jean David Werthe<sup>2</sup>, Jean Grimberg<sup>3</sup>, Philippe Valent<sup>2</sup>, Bassem Elhassan<sup>4</sup>*

<sup>1</sup> Clinique de l'Union, Saint Jean, France

<sup>2</sup> Bizet, Paris, France

<sup>3</sup> LIRCOS, Paris, France

<sup>4</sup> Mayo Clinic, Parisrochester, United States

10:12 - 10:20

**OP-72. Latissimus dorsi transfer isolated versus combined with a partial cuff repair in massive**

*Felipe Reinales<sup>1</sup>, Marco Cartaya<sup>2</sup>, Jeandavid Werthe<sup>2</sup>, Philippe Valent<sup>2</sup>*

<sup>1</sup> Clinica Alemana, Santiago, Chile

<sup>2</sup> Paris shoulder unit, Paris, France

10:20 - 10:28

**OP-73. Isolated loss of active external rotation (ILER): A distinct entity and results of l'Episcopo tendon transfer**

*Pascal Boileau<sup>1</sup>, Mohammed Baba<sup>2</sup>, Walter B Mccllelland<sup>3</sup>, Charles-Edouard Thélu<sup>4</sup>, Christophe Trojani<sup>1</sup>, Nicolas Bronsard<sup>1</sup>*

<sup>1</sup> IJLS - Hôpital Pasteur<sup>2</sup>, Nice, France

<sup>2</sup> Sydney Adventist Hospital, Sydney, Australia

<sup>3</sup> Peachtree Orthopedics, Atlanta, United States

<sup>4</sup> Polyclinique du Bois, Lille, France

### SCIENTIFIC SESSION 8

#### ELBOW II (ARTHROPLASTY & FRACTURES)

*Moderators: Raul Barco (Spain)*

*Sebastian Siebenlist (Germany)*

ROOM PAVILLON · 09:00 - 10:30

09:00 - 09:08

**OP-74. Arthroscopic reduction and fixation of radial head fracture: a reproducible surgical technique**

*Enrico Guerra, Alessandro Marinelli, Marco Cavallo, Graziano Bettelli, Alice Ritali, Michelle Flote, Roberto Rotini*

*Rizzoli Orthopaedic Institute, Bologna, Italy Boulogne Billancourt, France*

09:08 - 09:16

**OP-75. Surgical revision of radial head fractures. A retrospective multi-center analysis of 466 cases**

*Michael Hackl, Kilian Wegmann, Lars Peter Müller*

*Uniklinik Köln, Köln, Germany*

09:16 - 09:24

**OP-76. Contact mechanics of anatomic radial head prosthesis: comparison with native radial head and anatomic radial head prosthesis in dynamic mode**

*Yucheng Sun, Arnold Adikrishna, Hanpyo Hong, Inho Jeon*

*<sup>1</sup>Department of Orthopedic Surgery, Asan medical center, College of Medicine, University of Ulsan, Seoul, South Korea*

09:24 - 09:32

**OP-77. Triceps on, alignment off? A comparison of total elbow arthroplasty component positioning with a triceps preserving approach and a triceps split and reflecting approach.**

*Simon John Booker, Andrew King, William Thomas, Chris Smith*

*Royal Devon and Exeter Hospital, Exeter, United Kingdom*

09:32 - 09:40

**OP-78. Radial head arthroplasty: is stem size of matter to prevent loosening?**

*Pierre Laumonerie, Vadim Azoulay, Stéphanie Delclaux, David Ancelin, Nicolas Bonneville, Pierre Mansat*

*University Hospital of Toulouse, Toulouse, France*

09:40 - 09:48

**OP-79. Stress-shielding around press-fit radial head prosthesis: comparative study between bipolar and anatomic monopolar implants**

*Giuseppe Giannicola, Marco Scacchi, Paolo Spinello*

*Sapienza University of Rome, Rome, Italy*





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## SCIENTIFIC PROGRAM

FRIDAY, SEPTEMBER 15<sup>th</sup>

09:48 - 09:56

**OP-80. Clinical and radiographic outcome of revision surgery of radial head arthroplasty**

*Jetske Viveen, Izaak F Kodde, Koen Lm Koenraadt, Annechien Beumer, Bertram The, Denise Eygendaal*  
*Amphia Hospital, Breda, Netherlands, The*

09:56 - 10:04

**OP-81. Parallel plating for distal humeral fractures – radiographic and clinical outcomes**

*Hanna Cecilia Björnsson Hallgren, Birgitta Svernlöv, Jens Nestorson, Lars Evert Adolfsson*  
*Institution for Clinical and Experimental Medicine, Division of Orthopaedics Linköping, Linköping, Sweden*

10:04 - 10:12

**OP-82. Double-plating of comminuted proximal ulnar fractures: a retrospective multicenter study**

*Gauthier Menu, Etienne Boyer, Julien Boudard, Clément Menez, Sébastien El Rifai, François Loisel, Séverin Rochet, Antoine Adam, Daniel Lepage, Laurent Obert*  
*Department of Orthopaedics, Trauma, Plastic Surgery, Reconstruction and Hand Clinic CHRU Jean Minjoz, Besançon, France*

10:12 - 10:20

**OP-83. Implant survival for elective elbow arthroplasty. A study from the Swedish elbow arthroplasty register**

*Hans Rahme<sup>1</sup>, Louise Hedenstedt<sup>2</sup>, Björn Salomonsson<sup>2</sup>*  
<sup>1</sup> *Aleris Elisabeth hospital, Uppsala, Sweden*  
<sup>2</sup> *Karolinska Institutet Danderyd Hospital, Stockholm, Sweden*

10:20 - 10:28

**OP-84. Can we reasonably suggest a total elbow prosthesis to patients below the age of 55?**

*Madhi Siala, Marine Arboucolot, Fanny Elia, Stéphanie Delclaux, Nicolas Bonnevielle, Pierre Mansat*  
*University Hospital of Toulouse, Toulouse, France*

COFFEE BREAK

10:30 - 11:00



### SCIENTIFIC SESSION 9

#### ANATOMICAL SHOULDER ARTHROPLASTY

Moderators: **Michael Thomas (UK)**  
**Felix Zeifang (Germany)**

ROOM POTSDAM · 11:00 - 12:30

11:00 - 11:08

**OP-85. Accuracy of patient specific instruments for positioning of humeral and glenoidal components in shoulder arthroplasty - an in vitro study**

*Peter E Müller<sup>1</sup>, Mathias A Zumstein<sup>2</sup>, Bernhard Jost<sup>3</sup>, Christophe Monnier<sup>4</sup>, Ralph Herte<sup>5</sup>*

<sup>1</sup> *Department of Orthopaedic Surgery, Munich, Germany*

<sup>2</sup> *Physical Medicine and Rehabilitation, Bern, Switzerland*

<sup>3</sup> *University of Munich, St Gallen, Switzerland*

<sup>4</sup> *Shoulder, Marcq-En-Baroeul, France*

<sup>5</sup> *Elbow & Orthopaedic Sports Medicine, Bern, Switzerland*

11:08 - 11:16

**OP-86. Version and inclination obtained with 3D planning in total shoulder arthroplasty: do different programs produce the same results?**

*Patrick Joel Denard<sup>1</sup>, Matthew T Provencher<sup>2</sup>, Alexandre Lädermann<sup>3</sup>, Anthony A Romeo<sup>4</sup>, Joshua S Dines<sup>5</sup>*

<sup>1</sup> *Southern Oregon Orthopedics, Medford, United States*

<sup>2</sup> *The Steadman Clinic, Vail, United States*

<sup>3</sup> *Division of Orthopaedics and Trauma Surgery, La Tour Hospital, Meyrin, Switzerland*

<sup>4</sup> *Rush, Chicago, United States*

<sup>5</sup> *Hospital for Special Surgery, New York, United States*

11:16 - 11:24

**OP-87. 3D Pre-operative planning and PSI for correction of highly deformed glenoids: can we avoid reverse arthroplasty in primary OA?**

*Olivier Verborgt, Wouter Jak, Alexander Vervaecke, Annemieke Van Haver*  
*AZ Monica, Antwerp, Bélgica*

11:24 - 11:32

**OP-88. 3D Planning and targeting guides for glenoid component positioning in total shoulder arthroplasty. Comparative study about 34 cases.**

*Adrien Jacquot<sup>1</sup>, Marc-Olivier Gauc<sup>2</sup>, Jean Chaoui<sup>3</sup>, Pascal Boileau<sup>2</sup>, Daniel Mole<sup>1</sup>, Gilles Walch<sup>4</sup>*

<sup>1</sup> *Centre Chirurgical Emile Gallé, Nancy, France*

<sup>2</sup> *Hopital Pasteur - CHU de Nice, Nice, France*

<sup>3</sup> *Imascap, Brest, France*

<sup>4</sup> *Centre Orthopédique Santy, Lyon, France*





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

## SCIENTIFIC PROGRAM

### FRIDAY, SEPTEMBER 15<sup>th</sup>

11:32 - 11:40

**OP-89. Periprosthetic bone remodeling after stemless shoulder arthroplasty using a finite element analysis and Spect/CT imaging**

Alexander Berth<sup>1</sup>, Oliver Grosser<sup>2</sup>, Heiko Wisse<sup>3</sup>, Jürgen Rost<sup>4</sup>, Klaus Liefeith<sup>4</sup>, Christoph Lohmann<sup>5</sup>

<sup>1</sup> Department of Orthopaedic Surgery, Otto-von-Guericke-University, Magdeburg, Germany

<sup>2</sup> Department of Radiology and Nuclear Medicine Otto-von-Guericke-University, Magdeburg, Germany

<sup>3</sup> Department of Radiology and Nuclear Medicine Otto-von-Guericke-University, Magdeburg, Magdeburg, Germany

<sup>4</sup> Institute for Bioprocessing and Analytical Measurement Techniques eV, Heiligenstadt, Germany

<sup>5</sup> Department of Orthopaedic Surgery, Otto-von-Guericke-University, Magdeburg, Germany

11:40 - 11:48

**OP-90. Long-term results of resurfacing shoulder arthroplasty in osteoarthritis : retrospective monocenter study of 100 cases**

Julie Lebon, Fanny Elia, Amélie Faraud, Julien Toulemeonde, Nicolas Bonneville, Pierre Mansat

University hospital of Toulouse, Toulouse, France

11:48 - 11:56

**OP-91. High survival rates of anatomical total shoulder arthroplasty used for glenohumeral osteoarthritis**

Jeppe V Rasmussen<sup>1</sup>, Steen L Jensen<sup>2</sup>, Yilmaz Demir<sup>3</sup>, Randi Hole<sup>4</sup>, Trygve Metlie<sup>4</sup>, Björn Salomonsson<sup>3</sup>

<sup>1</sup> Herlev university Hospital, Copenhagen, Denmark

<sup>2</sup> Aalborg university Hospital, Aalborg, Denmark

<sup>3</sup> Danderyds Sjukhus AB, Stockholm, Sweden

<sup>4</sup> Haukeland University Hospital, Bergen, Norway

11:56 - 12:04

**OP-92. Clinical and radiological results of fully uncemented glenoid component in total shoulder arthroplasty: a long-term follow up**

Nader Dayerizadeh, Alexander Van Tongel, Matthijs Jacxsens, Lieven De Wilde

University Hospital, Gent, Belgium

12:04 - 12:12

**OP-93. Impact of radiolucent glenoid lines on clinical outcomes in anatomic total shoulder arthroplasty**

David Collins<sup>1</sup>, Curtis Noel<sup>2</sup>, Sean Grey<sup>3</sup>, Thomas Wright<sup>4</sup>, Joseph Zuckerman<sup>5</sup>, Pierre-Henri Flurin<sup>6</sup>, Chris Roche<sup>7</sup>

<sup>1</sup> Arkansas Specialty Orthopedics, Little Rock, United States

<sup>2</sup> Crystal Clinic, Akron, United States

<sup>3</sup> Ortho Center of the Rockies, Fort Collins, United States

<sup>4</sup> Univ of Florida, Gainesville, United States

<sup>5</sup> Hospital for Joint Diseases, New York, United States

<sup>6</sup> Bordeaux-Merignac Clinic, Bordeaux, France

<sup>7</sup> Exactech, Inc, Gainesville, United States

12:12 - 12:20

**OP-94. After total shoulder arthroplasty, is long term glenoid component loosening really worse with a B2 glenoid.**

Godfrey Brais<sup>1</sup>, Simon Nicholas Belf<sup>2</sup>, Jennifer Coghlan<sup>1</sup>

<sup>1</sup> Melbourne Shoulder and Elbow Centre, Melbourne, Australia

<sup>2</sup> Monash University, Melbourne, Australia

12:20 - 12:28

**OP-95. Hemiarthroplasty Versus Total Shoulder Arthroplasty. A Retrospective Cohort Study**

Meaghan D. Rollins<sup>1</sup>, Caleb Netting<sup>1</sup>, Carl Van Walraven<sup>2</sup>, Meltem Tuna<sup>3</sup>, Anan Badar Eddeen<sup>3</sup>, Peter L-C Lapner<sup>4</sup>

<sup>1</sup> Division of Orthopedics, University of Ottawa, Ottawa, Canada

<sup>2</sup> University of Ottawa, Ottawa Hospital Research Institute, Institute for Clinical Evaluative Sciences, Ottawa, Canada, Ottawa, Canada

<sup>3</sup> Ottawa Hospital Research Institute, Institute for Clinical Evaluative Sciences, Ottawa, Canada, Ottawa, Canada

<sup>4</sup> Division of Orthopedics, Ottawa Hospital Research Institute, The Ottawa Hospital, University of Ottawa, Ottawa, Canada

### SCIENTIFIC SESSION 10

#### YOUNG FORUM SESSION

#### TIPS & TRICKS FOR YOUNG SURGEON

Moderators: **Joanna Walecka (Poland)**

**Roger Emery (UK)**

ROOM PAVILLON · 11:00 - 12:30

11:00 - 11:12

**Young Forum in SECEC - Who are we?**

Joanna Walecka, Poland

11:12 - 11:24

**Fellowships for residents in shoulder and elbow surgery in Europe**

Joanna Walecka, Poland





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## SCIENTIFIC PROGRAM

### FRIDAY, SEPTEMBER 15<sup>th</sup>

11:24 - 11:36

#### Clinical examination of the shoulder - What is really mandatory?

Laurent Willemont, Belgium

11:36 - 11:48

#### How to proceed with imaging studies?

Juan Bruguera, Spain

11:48 - 12:00

#### What are the best functional scores in shoulder and elbow surgery?

Anna Krukenberg, Germany

12:00 - 12:12

#### Finite element analysis for basic science research

Ulrich Hansen, UK

12:12 - 12:24

#### Unsolved problems in shoulder surgery - ideas for future research

Luc Favard, France

14:25 - 14:30

#### Augmentation with alginate-chitin scaffold and rhBMP-2 in a chronic rotator cuff rupture model

Yaiza Lopiz, Camilla Arvinius, Belen Rizo, Carlos García-Fernández, Fernando Marco

Department of Orthopedic and Traumatology, Shoulder and Elbow Unit, Clínico San Carlos Hospital, Complutense University, Madrid, Spain

14:30 - 14:35

#### Efficacy of bone marrow-stimulating technique in rotator cuff repair

Kerem Bilse<sup>1</sup>, M.D, FEBOT, Assoc. Prof; Fatih Yildiz<sup>1</sup>, M.D., Assist Prof; Mehmet Kapicioglu<sup>1</sup>, M.D.; Gokcer Uzer<sup>1</sup>, M.D., Assist Prof; Mehmet Elmadag<sup>1</sup>, M.D.; Anil Pulatkan<sup>1</sup>, M.D, Mukaddes Esrefoglu<sup>2</sup>, M.D, Prof; Ergun Bozdag<sup>3</sup>, PhD; Guiseppa Milano<sup>4</sup>, MD, Assoc. Prof

<sup>1</sup>Department of Orthopedics and Traumatology, Bezmialem Vakif University School of Medicine, Vatan Cd, Fatih, Istanbul, Turkey.

<sup>2</sup>Department of Histology, Bezmialem Vakif University School of Medicine, Vatan Cd, Fatih, Istanbul, Turkey.

<sup>3</sup>Biomechanics Laboratory, Department of Mechanical Engineering, Istanbul Technical University, Gumussuyu Cd, Istanbul, Turkey.

<sup>4</sup>Department of Orthopedics and Traumatology, Catholic University, Rome, Italy

14:35 - 14:40

#### Injury mechanisms in acute shoulder injuries and rotator cuff tears in a general population

Martine Enger<sup>1</sup>, Stein Arve Skjaker<sup>1</sup>, Knut Melhuus<sup>1</sup>, Lars Nordsletten<sup>2</sup>, Are Hugo Pripp<sup>3</sup>, Stefan Moosmayer<sup>4</sup>, Jens Ivar Brox<sup>5</sup>

<sup>1</sup> Section for Orthopaedic Emergency, Orthopaedic Department, Oslo University Hospital.

<sup>2</sup> Orthopaedic Department, Oslo University Hospital.

<sup>3</sup> Oslo Centre of Biostatistics and Epidemiology, Research Support Services, Oslo University Hospital.

<sup>4</sup> Department of Orthopaedic Surgery, Martina Hansens Hospital.

<sup>5</sup> Department of Physical Medicine and Rehabilitation Oslo University Hospital.

14:40 - 14:45

#### Coracoid tunnels in open and arthroscopic treatment of acromioclavicular dislocation: a cadaveric study and a systematic review of the literature

M. Calò<sup>1</sup>, L. Barberis<sup>2</sup>, G. P. Vasario<sup>2</sup>, S. Marengo<sup>2</sup>, F. Castoldi<sup>1</sup>

<sup>1</sup> Ospedale San Luigi Gonzaga, Orbassano, Italy

<sup>2</sup> Città della salute e della scienza, Torino, Italy

### LUNCH WORKSHOPS (INDUSTRY SPONSORED)



12.40 - 14.10

(Page 53)

### NATIONAL SOCIETIES SESSION

#### NATIONAL SOCIETIES BEST PAPER PRIZE

Moderator: Anders Ekelund (Sweden)

ROOM POTSDAM · 14:15 - 15:15

14:15 - 14:20

#### Is anterior glenoid bone block position reliably assessed by standard radiography? A cadaver study

Clavert P<sup>1</sup>, Koch G.<sup>1</sup>, Neyton L.<sup>2</sup>, Metais P.<sup>3</sup>, Barth J.<sup>4</sup>, Walch G.<sup>2</sup>, Lafosse L.<sup>5</sup> and French Arthroscopic Society

<sup>1</sup> Institut d'anatomie normale, FMTS, faculté de médecine; Service de chirurgie du membre supérieur, CCOM, France

<sup>2</sup> Centre orthopédique Santy, hôpital privé J.-Mermoz (Ramsay-GDS), Lyon, France

<sup>3</sup> Clinique La Châtaigneraie, Beaumont, France

<sup>4</sup> Centre ostéo-articulaire des Cèdres, Échirolles, France

<sup>5</sup> Clinique générale d'Annecy, Annecy, France

14:20 - 14:25

#### Restoration of articular geometry using current graft options for large glenoid bone defects in anterior shoulder instability

Laurent B. Willemot<sup>1</sup>, Mohsen Akbari-Shandiz<sup>1</sup>, Joaquin Sanchez-Sotelo<sup>2</sup>, Kristin Zhao<sup>1</sup>, Olivier Verborgt<sup>3</sup>

<sup>1</sup> Assistive and Restorative Technology Lab, Mayo Clinic, Rochester, MN, USA

<sup>2</sup> Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA

<sup>3</sup> Department of Trauma and Orthopedic Surgery, Monica Hospitals, Antwerp, Belgium





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## SCIENTIFIC PROGRAM

FRIDAY, SEPTEMBER 15<sup>th</sup>

14:45 - 14:50

### Revisions of shoulder arthroscopies reveal indication-associated rates of low-grade infections

*Stephan Pauly, Christian Gerhardt, Andrej Trampuz, Markus Scheibel*  
Center for Musculoskeletal Surgery, Charité-Universitätsmedizin  
Berlin, Germany

14:50 - 14:55

### Comparative study of total shoulder arthroplasty versus total shoulder surface replacement for glenohumeral osteoarthritis with minimum 2-year follow-up.

*Kooistra BW, Willems WJ, Lemmens E, Hartel BP,  
van den Bekerom MP, van Deurzen DF*  
Department of Orthopaedic Surgery, Onze Lieve Vrouwe Gasthuis,  
Amsterdam, The Netherlands

14:55 - 15:00

### Patient Specific Guide in Reverse Shoulder Arthroplasty - what does it change?

*Tânia Freitas<sup>1</sup>, Guilherme França<sup>1</sup>, Nuno Oliveira<sup>1</sup>, Carlos Mateus<sup>1</sup>,  
Manuel Vieira da Silva<sup>1,2,3</sup>, Nuno Ferreira<sup>1</sup>, Nuno Sevilas<sup>1</sup>*

<sup>1</sup>Orthopaedics Department, Hospital de Braga, Braga, Portugal

<sup>2</sup>Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, Campus de Gualtar, Braga, Portugal.

<sup>3</sup>ICVS/3B's - PT Government Associate Laboratory, Braga / Guimarães, Portugal

15:00 - 15:05

### Accelerated rehabilitation protocol following reverse total shoulder arthroplasty. A new concept

*E Fawzy, P. Consigliere, J Lee, C Whitney-Lagen, L Natera, J Bruguera, G Sforza, E Atoun, O Levy*  
Reading Shoulder Unit, Royal Berkshire and Berkshire Independent Hospitals, Reading, UK

15:05 - 15:10

### Risk of revision caused by periprosthetic infection after shoulder arthroplasty: 6,877 primary arthroplasties from the Danish Shoulder Arthroplasty Registry

*Jeppé Vejlgård Rasmussen, Sahar Moeini, Stig Brorson, Anna Kathrine Sørensen, Bo Sanderhoff Olsen*  
Department of Orthopedics Section for Shoulder and Elbow Surgery, Herlev Hospital, University of Copenhagen Denmark

15:10 - 15:15

### Shoulder arthropathy secondary to syringomyelia – systematic review and case series

*Wawrzyniak A., Lubiowski P., Romanowski L.*  
Department of Traumatology, Orthopaedics and Hand Surgery, Poznań University of Medical Science.Rehasport Clinic, Poznań, Poland

## SECEC PRESIDENTIAL GUEST LECTURE

### Ups and downs in Shoulder and Elbow surgery - How to strive for the mountain top and bring others with you ROOM POTSDAM · 15:15 - 15:45



**Felix H. "Buddy" Savoie III, MD**

ASES President. Tulane University - New Orleans  
Chairman of Orthopaedic Surgery Chief of Sports Medicine. USA

## COFFEE BREAK

15:45 - 16:15



## SYMPOSIUM 2

### BONY-MEDIATED ANTERIOR SHOULDER INSTABILITY

Chair: Olivier Verborgt (Belgium)

ROOM POTSDAM · 16:15 - 17:45

16:15 - 16:30

### Biomechanical perspectives of bony-mediated shoulder instability

*Laurent Willemot*  
Belgium

16:30 - 16:45

### Clinical and radiological examination of bony-mediated shoulder instability and treatment implications

*Przemyslaw Lubiowski*  
Poland

16:45 - 17:00

### Remplissage and humeral head grafting procedures: techniques and long-term results

*Giovanni Di Giacomo*  
Italy

17:00 - 17:15

### Coracoid transfer procedures: techniques and long-term results

*Lionel Neyton*  
France

17:15 - 17:30

### Free bone grafting procedures: the past, the present and the future

*Markus Scheibel*  
Germany

17:30 - 17:45

## Discussion

## SECEC GENERAL ASSEMBLY

ROOM POTSDAM · 17:45 - 19:15







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## SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 16<sup>th</sup>

### INSTRUCTIONAL COURSE LECTURE 7

#### CHALLENGES IN SHOULDER ARTHROPLASTY

Chair: Anders Ekelund (Sweden)

ROOM PAVILLON · 07:30 - 08:45

07:30 - 07:40

#### The infected arthroplasty

Ludwig Seebauer

Germany

07:40 - 07:50

#### Anatomical or reverse arthroplasty in osteoarthritis - practical approach for preoperative evaluation

Ofer Levy

UK

07:50 - 08:00

#### Surgical technique for reverse arthroplasty in acute proximal humeral fractures

François Sirveaux

France

08:00 - 08:10

#### Bone grafting techniques of the glenoid

Anders Ekelund

Sweden

08:10 - 08:20

#### How to remove a well fixed humeral component

Lieven de Wilde

Belgium

08:20 - 08:45

#### Discussion

08:10 - 08:20

#### Radiohumeral arthroplasty

Roger van Riet

Belgium

08:20 - 08:45

#### Discussion

### INSTRUCTIONAL COURSE LECTURE 9

#### MANAGEMENT OF COMPLICATIONS IN SHOULDER AND ELBOW SURGERY

Chair: Bernhard Jost (Switzerland)

ROOM BELLEVUE · 07:30 - 08:45

07:35 - 07:49

#### Arthroscopic rotator cuff repair

Mehmet Demirhan

Turkey

07:49 - 08:03

#### Proximal humerus fractures

Uli Brunner

Germany

08:03 - 08:17

#### Reverse total shoulder arthroplasty

Christian Gerber

Switzerland

08:17 - 08:31

#### Acute and chronic elbow instability

Pierre Mansat

France

08:31 - 08:45

#### Distal humerus fractures

Franz Kralinger

Austria

\* 2 minutes after each talk

### INSTRUCTIONAL COURSE LECTURE 8

#### RADIOHUMERAL OSTEOARTHRITIS

Chair: Adam Watts (UK)

ROOM CHARLOTTENBURG I-II · 07:30 - 08:45

07:30 - 07:40

#### Cartilage debridement and Pridie techniques

Adam Watts

UK

07:40 - 07:50

#### Shortening osteotomy

Lars Peter Mueller

Germany

07:50 - 08:00

#### Interposition arthroplasty

Antonio Foruria De Diego

Spain

08:00 - 08:10

#### Arthroscopic radial head resection

Raul Barco

Spain

### TECHNOLOGY SESSION

#### TECHNOLOGY IN EDUCATION

Chair: Thomas Gregory (France)

ROOM CHARLOTTENBURG III · 07:30 - 08:45

#### Arthroscopic training and simulation, state of the art

Gabriëlle Tuijthof (Netherlands)

#### Haptics and simulation for orthopaedic surgery and training

Ferdinando Rodriguez y Baena (UK)

#### Simulation based shoulder and elbow management

Young Lae Moon (South Korea)

#### Virtual reality simulators and surgical certification

Thomas Gregory (France)





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## SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 16<sup>th</sup>

### SCIENTIFIC SESSION 11

#### REVERSE SHOULDER ARTHROPLASTY-I

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

ROOM POTSDAM · 09:00 - 10:30

09:00 - 09:08

**OP-107. Effect of humeral and glenoid combination on range of motion in reverse shoulder arthroplasty**

*Pierrick Deransart<sup>1</sup>, Gilles Walch<sup>1</sup>, Alain Farron<sup>2</sup>, Alexandre Lädermann<sup>3</sup>*

<sup>1</sup> IMASCAP, Brest, France

<sup>2</sup> CHUV, Lausanne, Switzerland

09:08 - 09:16

**OP-108. Can a functional difference be detected in reverse arthroplasty with 135° vs. 155° prosthesis for the treatment of rotator cuff arthropathy: a prospective randomized study**

*Yousef Shishan<sup>1</sup>, Evan Lederman<sup>2</sup>, Patrick Denard<sup>3</sup>,*

*Reuben Gobeze<sup>4</sup>*

<sup>1</sup> The Cleveland Shoulder Institute, Cleveland, United States

<sup>2</sup> The Orthopedic Clinic Association, University of Arizona, College of Medicine, Phoenix, United States

<sup>3</sup> Southern Oregon Orthopedics, Medford, United States

<sup>4</sup> The Cleveland Shoulder Institute, Medford/Cleveland, United States

09:16 - 09:24

**OP-109. Does the glenosphere size influences mid to long terms clinical results of reversed shoulder arthroplasties - 36 and 42 glenospheres**

*Philippe Clavert<sup>1</sup>, Agathe Kling<sup>1</sup>, François Sirveaux<sup>2</sup>, Luc Favard<sup>3</sup>, Gilles Walch<sup>4</sup>*

<sup>1</sup> Shoulder and Elbow Service - University Hospital Strasbourg, Strasbourg, France

<sup>2</sup> Shoulder and Elbow Service, Nancy, France

<sup>3</sup> Shoulder and Elbow Service, Tours, France

<sup>4</sup> Centre Orthopédique Santy, Lyon, France

09:24 - 09:32

**OP-110. Correlation between the humeral component retroversion and the internal rotation in reverse shoulder arthroplasty**

*Christina - Garving, Ulrich - Bechler, Ulrich H Brunner*

*Krankenhaus Agatharied, Hausham, Germany*

09:32 - 09:40

**OP-111. Not repairing the subscapularis in reverse shoulder arthroplasty does not change the final outcome: a prospective controlled study.**

*Sabri Dlimi<sup>1</sup>, Stefano Tognon<sup>1</sup>, Renato Salvador<sup>2</sup>, Diego Carniel<sup>1</sup>,*

*Roberto Ferrante<sup>1</sup>, Francesco Bisco<sup>1</sup>, Camobrecco Domenico<sup>1</sup>,*

*Oreste Arduin<sup>1</sup>, Camille Saffaye<sup>1</sup>, Paolo Piovani<sup>1</sup>*

<sup>1</sup> Department of Orthopaedic Surgery, Casa di Cura Porto Viro, Italy, Porto Viro, Italy

<sup>2</sup> Department of Surgery, School of Medicine, University of Padua, Italy, Padova, Italy

09:40 - 09:48

**OP-112. Long-term results of reverse total shoulder arthroplasty for massive irreparable rotator cuff tears in patients younger than 60 years**

*Lukas Ernstbrunner, Aline Suter, Sabrina Catanzaro, Stefan Rahm, Christian Gerber*

*Balgrist University Hospital, Zurich, Switzerland*

09:48 - 09:56

**OP-113. Long term results after reverse shoulder arthroplasty: glenoid notch or glenoid osteolysis?**

*Stéphane Jullion<sup>1</sup>, Adrien Jacquot<sup>1</sup>, Thomas Goetzmann<sup>1</sup>,*

*François Sirveaux<sup>1</sup>, Pascal Boileau<sup>2</sup>, Daniel Molé<sup>1</sup>*

<sup>1</sup> Centre Chirurgical Emile Gallé, Nancy, France

<sup>2</sup> Hôpital Pasteur<sup>2</sup>, Nice, France

09:56 - 10:04

**OP-114. Survivorship analysis of 1953 reverse shoulder arthroplasties (RSA) followed for five to twenty-two years: predictive factors of revision.**

*Luc Favard<sup>1</sup>, Julien Berhouet<sup>1</sup>, Mikael Chell<sup>2</sup>, Pascal Boileau<sup>3</sup>, Gilles Walch<sup>4</sup>*

<sup>1</sup> CHU Tours, Tours Cedex, France

<sup>2</sup> CHU Amiens, Amiens, France

<sup>3</sup> CHU Nice, Nice, France

<sup>4</sup> Santy, Lyon, France

10:04 - 10:12

**OP-115. Resurfacing hemiarthroplasty versus reverse shoulder arthroplasty in treatment of cuff tear arthropathy - a matched-pair analysis**

*Mette Ammitzbøll, Amin Baram, Jeppe Vejlgard Rasmussen, Bo Sanderhoff Olsen*

*Herlev Hospital, Copenhagen, Denmark*

10:12 - 10:20

**OP-116. BIO-RSA with allograft bone grafting of the glenoid surface, with a minimum follow-up of 5 years**

*Tjarco D.W. Alta<sup>1</sup>, Nicolas Morin-Salvo<sup>2</sup>, Charles Bessière<sup>2</sup>,*

*Pascal Boileau<sup>2</sup>*

<sup>1</sup> Spaarne Gasthuis, Hoofddorp, Netherlands, The

<sup>2</sup> IULS - Hôpital Pasteur<sup>2</sup>, Nice, France

10:20 - 10:28

**OP-117. Mid-term results of metallic lateralization in reverse shoulder arthroplasty.**

*Jean-David Raphael Werthel<sup>1</sup>, Ali Maqdes<sup>2</sup>, Philippe Valenti<sup>3</sup>*

<sup>1</sup> Hôpital Ambroise Paré, Boulogne-Billancourt, France

<sup>2</sup> Al Razi Orthopaedic Hospital, Kuwait City, Kuwait

<sup>3</sup> Kuwait City, Paris, France





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

## SCIENTIFIC PROGRAM

**SATURDAY, SEPTEMBER 16<sup>th</sup>**

### AWARD SESSION

Moderator: **Juan Bruguera (Spain)**

ROOM POTSDAM · 11:00 - 11:50

**Introduction of the US fellows (Grant Garrigues, Anshuman Singh)**

**Philippe Collin, France**

**Introduction of the fellows**

**Philippe Collin, France**

**Travel report 2016 Europe/Asia travelling fellows**

**Tjarco Alta, The Netherlands, Alexander Van Tongel, Belgium**

**Travel report 2017 Intra European travelling fellows**

**Joanna Walecka, Poland, Abbas Rashid, UK**

**Best poster prize**

**Chairman: Philippe Collin (France)**

**Presentation of the 5 best posters (2 min)**

**1. The incidence of propionibacterium acnes in shoulder surgery**

**Yukihiro N/A Kajita<sup>1</sup>, Yusuke N/A Iwahori<sup>2</sup>, Ryouzuke N/A Takahashi<sup>2</sup>**

<sup>1</sup> Ichinomiyaniishi hospital, Ichinomiya, Japan

<sup>2</sup> Aichimedical university, Nagakute, Japan

**2. Effect of neuromuscular control on the shoulder function after rotator cuff repair – availability of time to peak torque and acceleration time**

**Jisoon Park<sup>1</sup>, Jin Hyuck Lee<sup>2</sup>, Woong Kyo Jeong<sup>2</sup>**

<sup>1</sup> Sheikh Khalifa Specialty Hospital, Ras Al Kaimahh, United Arab Emirates

<sup>2</sup> Korea University Anam Hospital, Seoul, South Korea

**3. Mechanoreceptors distribution in the human medial collateral ligament of the elbow**

**Erica Kholinne<sup>1</sup>, Hyun Joo Lee<sup>2</sup>, Maria Florencia Deslivia<sup>3</sup>, Ga Yeong Kim<sup>4</sup>, In-Ho Jeon<sup>4</sup>**

<sup>1</sup> Upper Extremity Unit, Department of Orthopedic Surgery, St. Carolus Hospital, Jakarta, Indonesia

<sup>2</sup> Department of Orthopedic Surgery, Kyungpook National University Hospital, Daegu, South Korea

<sup>3</sup> Korea Institute of Science and Technology, Seoul, South Korea

<sup>4</sup> Department of Orthopedic Surgery, Asan Medical Center, University of Ulsan, Seoul, South Korea

**4. Open biceps tenodesis: a biomechanical comparison of six fixation techniques**

**Miguel Enrique Diaz, Brendan Shi, Matthew Baker, Stephen Belkoff, Uma Srikumaran**

Johns Hopkins University School of Medicine, Baltimore, United States

**5. Clinical outcomes of arthroscopic stabilization for recurrent anterior shoulder instability with glenoid bone loss : arthroscopic bankart repair alone versus the augmentation with bone graft**  
**Norishige Iizawa<sup>1</sup>, Minoru Yoneda<sup>1</sup>, Shinichi Yamada<sup>2</sup>, Naoko Mizuno<sup>3</sup>, Kazuki Goto<sup>4</sup>, Satoshi Iwashita<sup>1</sup>, Shinro Takai<sup>1</sup>**

<sup>1</sup> Nippon Medical School, Tokyo, Japan

<sup>2</sup> Hoshigaoka Medical Center, Osaka, Japan

<sup>3</sup> Toyonaka Municipal Hospital, Osaka, Japan

<sup>4</sup> Japan Community Health care Organization on Osaka Hospital, Osaka, Japan

Announce of the winner

**- Video Prize**

**Chairman: Philippe Collin (France)**

Announce of the winner

**- Best Paper Prize**

**Chairman: Nicole Pouliart (Belgium)**

Announce of the winner

**- Research grant**

**Chairman: Nicole Pouliart (Belgium)**

Announce of the winner

**- Didier Patte Prize**

**Chairman: Nicole Pouliart (Belgium)**

Announce of the winner

**-National Societies' Best Paper Prize**

**Chairman: Anders Ekelund (Sweden)**

Announce of the winner

### INVITED SOCIETIES SESSION

**GERMAN SOCIETIES DVSE AND AGA**

Moderators: **Matthias Flury (Switzerland)**

**Markus Scheibel (Germany)**

ROOM POTSDAM · 12:00 - 12:50



German Shoulder and Elbow Society (DVSE)



Society of Arthroscopy and Joint Surgery (AGA)

**The value of multicenter studies (MCS) in the german speaking societies**

**Dirk Maier, Germany**





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## SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 16<sup>th</sup>

### DVSE - MCS

Acute Rockwood type III injuries – surgical vs non-operative management

*Mark Tauber, Germany*

First-time anterior shoulder dislocation – immobilization vs arthroscopic stabilization

*Marvin Minkus, Germany*

### AGA - MCS

Clinical and structural results after arthroscopic revision after failed primary rotator cuff repair

*Eddi Buess, Switzerland*

Arthroscopic reconstruction of bony avulsions of the rotator cuff

*David Krüger, Germany*

14:04 - 14:12

OP-123. Reconstruction of the proximal humerus with massive allograft and reverse shoulder arthroplasty

*Jean-Luc Raynier<sup>1</sup>, Patrick Gendre<sup>1</sup>, Yves Bouju<sup>2</sup>, Olivier Gastaud<sup>1</sup>, Thomas D'Ollonne<sup>1</sup>, Christophe Trojani<sup>1</sup>, Luc Favard<sup>3</sup>, Pascal Boileau<sup>1</sup>*

<sup>1</sup> IJLS - Hôpital Pasteur<sup>2</sup>, Nice, France

<sup>2</sup> Institut Main Atlantique, Nantes, France

<sup>3</sup> Hôpital Trousseau, Tours, France

14:12 - 14:20

OP-124. Outcomes of endoprosthetic replacement for massive proximal humeral bone deficiency

*Mohamed S. Galhoum<sup>1</sup>, Simon P Frostick<sup>2</sup>, Amanda Wood<sup>3</sup>*

<sup>1</sup> Orthopedic Surgery Department, Royal Liverpool and Broadgreen University Hospital NHS Trust, Liverpool, United Kingdom

<sup>2</sup> Musculoskeletal Science Research Group, Department of Molecular and Clinical Cancer Medicine, Institute of Translational Medicine, Faculty of Health and Life Sciences, University of Liverpool, Liverpool, UK, Liverpool, United Kingdom

<sup>3</sup> Musculoskeletal Science Research Group, Department of Molecular and Clinical Cancer, Liverpool, United Kingdom

LUNCH BREAK

EXHIBITION AREA · 12.50 - 13.40



SCIENTIFIC SESSION 12

### REVERSE SHOULDER ARTHROPLASTY-II

Moderators: *Alain Farron (Switzerland)*  
*Philip Kasten (Germany)*

ROOM POTSDAM · 13:40 - 14:20

13:40 - 13:48

OP-120. Outcome and complications after reverse shoulder arthroplasty in patients with parkinson's disease

*Christian Jung, Hans-Kaspar Schwyzer, Matthias Flury, Laurent Audigé, Christoph Kolling*

*Schulthess Clinic, Zurich, Switzerland*

13:48 - 13:56

OP-121. Are convertible platform systems really revisable?

*Albert Ferrando<sup>1</sup>, Luis Natera<sup>2</sup>, Paolo Consigliere<sup>2</sup>, Caroline Witney-Lager<sup>2</sup>, Juan Bruguera<sup>2</sup>, Giuseppe Sforza<sup>2</sup>, Ehud Atoun<sup>2</sup>, Ofer Levy<sup>2</sup>*

<sup>1</sup> Hospital Politecnico i Universitari La Fe, Valencia, Spain

<sup>2</sup> Reading Shoulder Unit, Reading, United Kingdom

13:56 - 14:04

OP-122. Reverse shoulder arthroplasty for failed hemi, a 5 year minimum follow up study

*Thomas D'Ollonne, Pascal Boileau, Toby Baring, Patrick Gendre*  
*CHU Nice, Nice, France*

SCIENTIFIC SESSION 13

### MISCELLANEOUS - II

Moderators: *Cecilie Piene Schroeder (Norway)*  
*Lars-Johannes Lehmann (Germany)*

ROOM POTSDAM · 14:30 - 15:20

14:30 - 14:38

OP-125. No association between propionibacterium acnes and frozen shoulder; shoulder injections increase likelihood of shoulder capsule colonisation

*Simon John Booker, Matthew Boyd, Sian Gallacher, Jonathan P Evans, Cressida Auckland, Jeffrey Kitson, William Thomas, Chris Smith*

*Royal Devon and Exeter Hospital, Exeter, United Kingdom*

14:38 - 14:46

OP-126. Propionibacterium acnes in primary reverse shoulder arthroplasty. From skin to deep layers.

*Carlos Torrens, Raquel Mari, Albert Alier, Lluís Puig, Fernando Santana Santana*

*Hospital del Mar, Barcelona, Spain*





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## SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 16<sup>th</sup>

14:46 - 14:54

**OP-127. Cefazolin is superior to cefonicid for antibiotic prophylaxis in shoulder surgery**

*Kazum Efrain, Ofir Chechik<sup>1</sup>, Ronen Ben-Am<sup>2</sup>, Oleg Dolkart<sup>1</sup>, Yariv Goldstein<sup>1</sup>, Dani Rotman<sup>3\*</sup>, Eran Maman<sup>1</sup>*

<sup>1</sup> Shoulder Unit, Orthopedic Surgery Division, Tel-Aviv Medical Center, Tel Aviv, Israel

<sup>2</sup> Infectious Diseases Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

14:54 - 15:02

**OP-128. Interest of the glenoid hull method for analyzing humeral subluxation in primary glenohumeral osteoarthritis**

*Soufyane Bouacida, Cyril Lazerges, Michel Chammas, Bertrand Coulet*

CHU Lapeyronie, Montpellier, France

15:02 - 15:10

**OP-129. Glenoid bone deficiency in anatomic total shoulder arthroplasty – clinical impact of a new treatment-based classification system**

*Birgit S Werner, Inken Wiese, Robert Hudek, Frank Gohlke*  
Rhön Klinikum AG, Bad Neustadt, Germany

15:10 - 15:18

**OP-130. A novel shoulder disability staging system for scapulothoracic arthrodesis in patients with facioscapulohumeral dystrophy**

*Ilker Eren<sup>1</sup>, Olgar Birsel<sup>1</sup>, Özgür Öztıp Çakmak<sup>2</sup>, Ayça Aslanger<sup>3</sup>, Mehmet Demirhan<sup>4</sup>, Piraye Oflazer<sup>4</sup>, Yasemin Gürsoy Özdemir<sup>2</sup>, Hülya Kayserilip<sup>3</sup>, Serpil Eraslan<sup>5</sup>*

<sup>1</sup> Koc University, School of Medicine, Department of Orthopaedics and Traumatology, Istanbul, Turkey

<sup>2</sup> Koc University, School of Medicine, Department of Neurology, Istanbul, Turkey

<sup>3</sup> Koc University, School of Medicine, Department of Medical Genetics, Istanbul, Turkey

<sup>4</sup> Memorial Hospital, Department of Neurology, Istanbul, Turkey

<sup>5</sup> Koc University, School of Medicine, Department of Molecular Genetics, Istanbul, Turkey

### SCIENTIFIC SESSION 14

#### NEW TECHNIQUES / TIPS & TRICKS

Moderators: **Mario Borroni (Italy)**  
**Natascha Kraus (Germany)**

ROOM POTSDAM · 15:20 - 16:15

15:20 - 15:28

**OP-131. The “fishmouth” long head of the biceps biological tenodesis without implant.**

*Juan Bruguera<sup>1</sup>, Luis Gerardo Natera<sup>1</sup>, Luigi Piscitelli<sup>2</sup>, Paolo Consigliere<sup>1</sup>, Caroline Witney-Lagen<sup>1</sup>, Ofer Levy<sup>1</sup>*

<sup>1</sup> Reading Shoulder Unit, Reading, Berkshire, United Kingdom

<sup>2</sup> Hospital Santa Maria della Misericordia, Perugia, Italy

15:28 - 15:36

**OP-132. Acromioplasty planification: a randomized prospective study**

*Caecilia Charbonnier<sup>1</sup>, Frank C Kolo<sup>2</sup>, Alexandre Lädermann<sup>3</sup>*

<sup>1</sup> Artanim, Meyrin, Switzerland

<sup>2</sup> Rive Droite Radiology Center, Meyringeneva, Switzerland

<sup>3</sup> La Tour Hospital, Meyrin, Switzerland

15:36 - 15:44

**OP-133. A Shortcut to arthroscopic suprascapular nerve decompression at the suprascapular notch: new arthroscopic landmarks and surgical technique**

*Hatem Galal Said<sup>1</sup>, Ayman Farouk Abdelkawi<sup>1</sup>, Tarek Nabil Fetih<sup>1</sup>, Ahmed Wahid Kandil<sup>2</sup>*

<sup>1</sup> Orthopedic Department, Assiut University Hospital, Assiut, Egypt

<sup>2</sup> Orthopedic Department, Alexandria University Hospital, Alexandria, Egypt

15:44 - 15:52

**OP-134. Clinical outcome in patients with thoracic outlet syndrome who had arthroscopic-assisted transaxillary first rib resection**

*Yasuhiro Mitsui<sup>1</sup>, Masafumi Gotoh<sup>1</sup>, Hirokazu Honda<sup>1</sup>, Ryo Amamoto<sup>1</sup>, Takahiro Okawa<sup>1</sup>, Naoto Shiba<sup>2</sup>*

<sup>1</sup> Kurume University Medical Center, Kurume, Japan

<sup>2</sup> Kurume University Hospital, Kurume, Japan

15:52 - 16:00

**OP-135. Double nerve transfer for the reanimation of isolated deltoid palsies.**

*Thibault Lafosse, Thibault Gerosa, Malo Lehanneur, Emmanuel Masmajejan, Jerome Pierrart, Arnaud Walch*

European Hospital Georges Pompidou, Paris, France





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## SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 16<sup>th</sup>

16:00 - 16:08

**OP-136. Osteotomy of ulna and humerus with preservation of triceps tendon for revision of total elbow arthroplasty**

*Christophe Spormann*

*Endoclinic Klinik Hirslanden, Zürich, Switzerland*

### SCIENTIFIC SESSION 15



#### REHABILITATION I

Moderators: **Ingrid Hultenheim Klintberg (Sweden)**  
**Yasmaine Karel (Netherlands)**

ROOM PAVILLON · 14:00 - 15:03

14:00 - 14:07

**OP-137. Sensomotoric deficits following shoulder surgery**

*Knut Beitzel<sup>1</sup>, Stefan Buchmann<sup>2</sup>, Robin Köhler<sup>1</sup>, Fabian Stöcker<sup>3</sup>, Andreas B Imhoff<sup>1</sup>, Sven Reuter<sup>2</sup>*

<sup>1</sup>. Department of Orthopaedic Sportsmedicine, TU Munich, Munich, Germany

<sup>2</sup>. OFZ Weilheim, Weilheim, Germany

<sup>3</sup>. Department of Sports Science, TU Munich, Munich, Germany

14:07 - 14:14

**OP-138. Early mobilization after rotator cuff repair, does it really matter?**

*Marwan Haddad<sup>1</sup>, Galit Daniel-Lavee<sup>1</sup>, Wasim Mshiel<sup>1</sup>, Yaniv Keren<sup>2</sup>, Yaron Berkovich<sup>2</sup>*

<sup>1</sup>. Galilee Medical Center, Naharyia, Israel

<sup>2</sup>. Rambam Medical CAMPUS, Haifa, Israel

14:14 - 14:21

**OP-139. How does shoulder immobilization influence daily physical activity – an accelerometer based study**

*Dennis Liem, Monika Grabowski, Georg Gosheger, Kristian Schneider, Sebastian Klingebiel, Dominik Schorn, Carolin Rickert*

*University Hospital Muenster, Münster, Germany*

14:21 - 14:28

**OP-140. One-year follow-up of the progressive exercise training for patients with rotator cuff related shoulder pain: single group study to investigate the effects on pain severity and disability status**

*Elif Turgut, Irem Düzgün*

*Hacettepe University, Ankara, Turkey*

14:28 - 14:35

**OP-141. Preoperative factors influence the recovery of forward flexion following reverse shoulder arthroplasty**

*Solenn Gain, Philippe Collin*

*CHP Saint Grégoire, Saint Grégoire, France*

14:35 - 14:42

**OP-143. Development and use of a tool for quantifying physiotherapy treatment of subacromial impingement syndrome / rotator cuff tendinopathy (SIS/RCT) patients**

*Michael J Smith<sup>1</sup>, Robert Goldsmith<sup>2</sup>, Anne Wilkes<sup>2</sup>, Timothy Matthews<sup>2</sup>*

<sup>1</sup>. Cardiff University, Cardiff, United Kingdom

<sup>2</sup>. Cardiff and Vale University Health Board, Cardiff, United Kingdom

14:42 - 14:49

**OP-144. The efficacy of cryotherapy for dysfunctions primarily developed from the musculo skeletal system - a systematic review**

*Ingrid Hultenheim Klintberg*

*Institute of Neuroscience and Physiology, Department of Health and Rehabilitation, Unit of Physiotherapy, Lerum, Sweden*

14:49 - 14:56

**OP-145. Changes in the scapular kinematics in reverse shoulder arthroplasty: a pilot study**

*Taha Ibrahim Yildiz, Gazi Huri, Burak Ulusoy, Leyla Eraslan, Serdar Demirci, Dilara Kara, Elif Turgut, Egemen Turgan, Irem Duzgun, Mahmut Nedim Doral*

*Institution of Health Sciences, Ankara, Turkey*

### SCIENTIFIC SESSION 16



#### REHABILITATION II

Moderators: **Andre Le Leu (UK)**  
**Dick Egmond (Germany)**

ROOM PAVILLON · 15:00 - 16:00

15:00 - 15:07

**OP-146. Conservative rehabilitation for shoulder instability in an elite gymnast**

*Hilde - Fredriksen*

*Norwegian Olympic Sports Center, Oslo, Norway*





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## SCIENTIFIC PROGRAM

**SATURDAY, SEPTEMBER 16<sup>th</sup>**

15:07 - 15:14

**OP-147. The acute effect of kinesiotaping in surgically repaired shoulders with history of anterior instability: a three-dimensional motion analysis**

*Elif Turgut, Gazi Huri, Taha I Yildiz, Egemen Turhan, Leyla S Eraslan, Serdar Demirci, Irem Düzgün, Mahmut N Doral*  
*Hacettepe University, Ankara, Turkey*

15:14 - 15:21

**OP-148. New dynamic brace and targeted fast rehab protocol for soccer players with in season gleno humeral anterior dislocation**

*Marco Conti<sup>1</sup>, Raffaele Garofalo<sup>2</sup>, Enrico Ceccarelli<sup>3</sup>, Alessandro Castagna<sup>4</sup>*

<sup>1.</sup> *MedSport, Varese, Italy*

<sup>2.</sup> *Miulli Hospital, Bari, Italy*

<sup>3.</sup> *Villa Stuart, Roma, Italy*

<sup>4.</sup> *Humanitas, Milano, Italy*

15:21 - 15:28

**OP-149. Impact of multidisciplinary rehabilitation on the socio-economic burden of shoulder instability – a prospective study.**

*Tania Louise Douglas, Elaine Cobb, Anthony Gilbert, Anju Jaggi*  
*Royal National Orthopaedic Hospital, Stanmore, United Kingdom*

15:28 - 15:35

**OP-150. The Scapular Dyskinesis Test: Is it reliable and valid?**

*Michael J Smith<sup>1</sup>, Robert Goldsmith<sup>2</sup>, Kevin Nicholas<sup>1</sup>, Samantha Owen<sup>2</sup>*

<sup>1.</sup> *Cardiff University, Cardiff, United Kingdom*

<sup>2.</sup> *Cardiff & Vale University Health Board, Cardiff, United Kingdom*

15:35 - 15:42

**OP-151. Influence of selected factors on shoulder proprioception among handball players**

*Piotr Krzysztof Kaczmarek<sup>1</sup>, Przemyslaw Lubiatowski<sup>2</sup>, Pawel Cisowski<sup>1</sup>, Witold Dudzinski<sup>1</sup>, Leszek Romanowski<sup>3</sup>*

<sup>1.</sup> *Rehasport Clinic, Poznan, Poland*

<sup>2.</sup> *Rehasport Clinic; Department of Traumatology, Orthopaedics and Hand Surgery of University of Medical Sciences in Poznan, Poznan, Poland*

<sup>3.</sup> *Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland*

15:42 - 15:49

**OP-152. Inferior shoulder joint position sense in junior handball players**

*Hilde - Fredriksen, Piotr Krzysztof Kaczmarek<sup>1</sup>, Przemyslaw Lubiatowski<sup>2</sup>, Pawel Cisowski<sup>1</sup>, Piotr Ogradowicz<sup>2</sup>, Witold Dudzinski<sup>1</sup>, Leszek Romanowski<sup>3</sup>*

<sup>1.</sup> *Rehasport Clinic, Poznan, Poland*

<sup>2.</sup> *Rehasport Clinic; Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland*

<sup>3.</sup> *Department of Traumatology, Orthopaedics and Hand Surgery, University of Medical Sciences in Poznan, Poznan, Poland*

15:49 - 15:56

**OP-153. Kinematics and electromyographic analysis of shoulder girdle in professional archery. A prospective laboratory study**

*Elisa De Santis, Ilaria Parel, Fabio Dellabiancia, Giuseppe Porcellini, Giovanni Merolla*

*Biomechanics Laboratory, D. Cervesi Hospital, Cattolica, Italy*

**CLOSING REMARKS**

**ROOM POTSDAM - 16:15**



