

## THE DIGITIZED SHOULDER &amp; UPDATES ON SHOULDER ARTHROPLASTY

07:00 Coffee - Exhibits

07:25 Welcome for a Journey through the Digitized Shoulder

Pascal Boileau, MD

## I- 3D PLANNING &amp; PATIENT SPECIFIC INSTRUMENTS (PSI) IN ANATOMIC TSA

Moderators : John Sperling, MD &amp; Jon JP Warner, MD

07:30 The Golden Rules of Anatomic Glenoid Implantation

Joaquin Sanchez-Sotelo, MD

07:37 Augmented Glenoid in Anatomic TSA: Are they All the Same?

George Athwal, MD FRCS (C)

07:44 I am Using PSI for all my Cases: Let me Explain to You Why

Jon JP. Warner, MD

07:51 I am NOT using PSI... There is No Advantage Compared with 3-Dimensional Planning Alone

Adrien Jacquot, MD &amp; Daniel Molé, MD

07:58 Ask the Experts : Case Discussion (7')

## II- 3D PLANNING &amp; PATIENT SPECIFIC INSTRUMENTS (PSI) IN REVERSE TSA

Moderators: Robert Tashjian, MD &amp; Joaquin Sanchez-Sotelo, MD, PhD

08:05 Does Simulated ROM Really Predict Clinical Postoperative ROM in Planned RSA

Marc-Olivier Gaudi, MD

08:12 Lateralization, Version and Inclination of the Baseplate in RSA: Is There Any Consensus?

Julien Berhouet, MD &amp; Luc Favard, MD

08:19 In Vivo 3D Motion in RSA Using Fluoroscopy: Learning About RSA Kinematics and Scapulohoracic Motion

Peter Chalmers, MD

08:26 The RSA Angle : Utility and Validation with a 3D Software

John Sperling, MD

08:33 The Role of Acromioplasty and Tuberopecty in Reverse Shoulder Arthroplasty

Maria Brotat-Rodriguez, MD &amp; Juan-David Lacouture, MD

08:40 Ask the Experts :Case Discussion (10') : A 50 year old heavy worker with a B2 Glenoid

HA with Concentric Reaming?

TSA with Reaming the Hide Side and cemented PE Glenoid?

Augmented TSA?

or RSA?

08:50 Coffee Break - Refreshments / Exhibits (30')

## III- GLENOID BONE LOSS &amp; RECONSTRUCTION REVISITED

Moderator : David Dines, MD &amp; Philippe Valenti, MD

09:20 Managing Severe Glenoid Bone Loss with the BIO-RSA

Pascal Boileau, MD

09:27 Metal Augmented RSA vs BIO-RSA: A Prospective, Randomized Clinical Trial

George Athwal, MD, FRCS (c)

09:34 Reverse Shoulder Arthroplasty Using a Monobloc Baseplate with a Hybrid Central Post

Lionel Neyton, MD

09:41 Managing Glenoid Defect with with Allograft Reconstruction &amp; RSA

Robert Tashjian, MD

09:48 Managing Glenoid Defect with Patient Specific Implant

Jay D. Keener, MD

10:05 Ask the Experts : Case Discussion (10')

## IV- ARTIFICIAL INTELLIGENCE (AI) &amp; SHOULDER ARTHROPLASTY

Moderators: J. Sanchez-Sotelo, MD, PhD &amp; Mark Franke, MD

10:15 Application of AI in Shoulder Arthroplasty: Can We Predict RSA vs. TSA?

Jean Chaoui, PhD

10:22 AI-Driven Shoulder Replacement Surgery: Avoiding Wasted Time and Resources

Jon JP Warner, MD

10:29 Auto-Planning Shoulder Arthroplasty for Glenohumeral Osteoarthritis

Pascal Boileau, MD

10:36 Planning Revision Surgery: Automated Preoperative Identification of the Previous Failed Soulder Arthroplasty

George Athwal, MD FRCS

10:42 3D Computed Analysis of Proximal Humerus Fractures: Proof of Concept

Mikael Chelli, MD &amp; Thomas Ripoll, MD

10:49 Ask the Experts : Case Discussion (11')

## V- AUGMENTED &amp; MIXED REALITY IN SHOULDER SURGERY

Moderator : Jay D. Keener, MD &amp; Jean-David Werthel, MD

11:00 Surgery Guided by Mixed Reality: What is it?...What for...

George Athwal, MD

11:07 Mixed Reality: A New Surgical Assistance Method for Glenoid Implantation in TSA

Joaquin Sanchez Sotelo, MD PhD

11:14 Augmented Reality (Microsoft HoloLens) for Baseplate Positioning in RSA: Is the Promise Broken?

Karl Wieser, MD

11:21 Shoulder Muscle Evaluation before Surgery: The New Kid in the Block

Jean-David Werthel, MD

11:28 Ask the Experts : Case Discussion (10')

## VI- SHOULDER NAVIGATED SURGERY &amp; ROBOTIC SHOULDER SURGERY

Moderators : M. Scheibel, MD &amp; Luc Favard, MD, PhD

11:38 Patient Specific VRS Glenoid for Severe Bone Loss

David Dines, MD

11:45 Reverse Shoulder Prosthesis Navigation

Philippe Clavert, MD, PhD

11:52 Computer Navigation &amp; Patient-Specific Instrumentation in Shoulder Arthroplasty: Do We Need Both?

Olivier Verborgt, MD, PhD

11:59 Robotic-Assisted Shoulder Surgery: Where Are We In 2022?

Pierre-Emmanuel Chammas, MD

12:06 Ask the Experts : Case Discussion (9')

12:15 Luncheon / Coffee / Visit Exhibits (75')

## VII- UPDATES ON RSA (Part A)

Moderators: George Athwal, MD, FRCS(c) &amp; Laurent Lafosse, MD

13:30 The Alternate Centerline of the Scapula in the Deformed/Eroded Glenoid: What is it? How to Use it?

Mark Franke, MD

13:37 Superior approach &amp; Subscapularis Management in RSA - What is the Evidence?

Laurent Lafosse, MD

13:44 RSA in the Kyphotic Patient: Should We Modify Retroversion of the Humeral Component ?

Phillip Moroder, MD, PhD

13:51 Hemi-Reverse in Primary and Revision Surgery

Arnaud Walch, MD

13:58 2D Assessment of Distalization and Lateralization in RSA

Johannes Barth, MD

14:05 Ask the Experts : Case Discussion (10')

14:15 Coffee - Exhibits (15')

## VIII- UPDATES ON RSA (Part B)

Moderators : Giuseppe Porcellini, MD &amp; Luc Favard, MD

14:30 Lateralized vs. Classic Grammont-style Reverse Shoulder Arthroplasty

Markus Scheibel, MD

14:37 Scapular Notching is the Main Cause of Late Glenoid Loosening : A Longitudinal FU Study

Luc Favard, MD

14:44 BIO-RSA with 135° Humeral Prosthesis: Are the Results Better and Complications Lower?

Philippe Colotte, MD

14:51 Long-term Results with Stemless Reverse Prosthesis

Philippe Teissier, MD

14:58:00 RSA with Inverted-Bearing Materials: Clinical and Radiological Results at 5 years Minimum Follow-up

Riccardo Ranieri MD

15:05 Ask the Experts : Case Discussion (10')

## IX- UPDATES ON ANATOMIC TSA

Moderators : Giuseppe Porcellini, MD &amp; François Sirveaux, MD

15:15 Long-Term Results of Stemless Anatomical Shoulder Replacement

Markus Scheibel, MD

15:22 Inset vs. Inlay Glenoids: The New Kids on the Block

Robert Tashjian, MD

15:29 Survival of the Aequalis total shoulder replacement at a minimum 20-year follow-up

Jonathan P. Evans, MBChB, MSc, MD

15:36 Posterior Humeral Subluxation in TSA for Primary Osteoarthritis: Can We Correct it?

Pascal Boileau, MD

15:46 Ask the Experts : Case Discussion (9')

## X- UPDATES ON HEMIARTHROPLASTY &amp; INTERPOSITION ARTHROPLASTY

Moderators : George Athwal, MD FRCS(c) &amp; Christophe Lévéigne, MD

15:55 Long-term (Minimum 10-year FU) Outcomes of Humeral Head Replacement for the Treatment of Osteoarthritis

John Sperling, MD

16:02 Humeral Head Resurfacing with Biologic Resurfacing of the Glenoid in Arthritic Patients 60 years old or Younger

Armand Hatizidakis, MD

16:09 Hemiarthroplasty with Pyrocarbon Head for Shoulder Osteoarthritis: The Nice Experience

Caroline Cointat, MD &amp; Riccardo Ranieri, MD

16:16 Pyrocarbon Interposition Shoulder Arthroplasty (PISA): Minimum 10 years Follow up

Hugo Barret, MD

16:16 Ask the Experts : Case Discussion (9')

16:25 CONCLUSION - What Did We Learn Today?

Pascal Boileau, MD

16:30 End of Meeting