On behalf of the scientific committee it is a great pleasure for us to announce the 5th edition of the Paris International Shoulder Course - PISC 2021. PISC has become the world's largest meeting dedicated to shoulder replacement and covers the state of the art, recent developments and innovations of this continuously evolving subject.

Our principal goal is to offer fundamental knowledge of shoulder arthroplasty with regards to current planning strategies, innovative techniques and modern implants to all levels, from junior trainees to experts in the field. The course will combine theoretical and practical elements providing plenty of space for exciting dialogs and discussions to get a detailed overview of the current controversies in shoulder replacement surgery. Another focus of PISC 2021 will be the long-term follow up and the management of complications. With increasing numbers of primary interventions revision surgery still represents an underestimated problem that is mainly solved in specialized centers. Diagnostic strategies and therapeutic options including salvage procedures will be presented during the meeting.

Video demonstrations, live surgeries and mini battles with international and national experts will complement the scientific lectures. Practical skills can be improved and enhanced in ultrasound and cadaver workshops.

A large place should be dedicated to the pre-operative planning of the anatomic and reverse arthroplasty; all the software should be analyzed.

Also, a discussion with the world experts will allow for each one to improve this useful tool in your practice.

A large conference area will be set up for debates where experienced specialists will be able to share their knowledge and examples of difficult cases. And, of course, this event will be, once again, a great occasion to network with your colleagues from all over the world.

This course belongs to you, and these 3 world-class scientific days will be of great benefit to everyone.

See you (again) in Paris for PISC 2021!

Philippe VALENTI Markus SCHEIBEL
Course Chairmen
PROGRAM AT A GLANCE

> WEDNESDAY JULY 7TH, 2021

Cadaver and artificial bone workshops

> THURSDAY JULY 8TH, 2021

Difficult shoulder fractures: current controversies, treatment strategies and management of complications
• Scientific presentations, Video demonstrations, Interactive case discussions, Mini-battle, Live surgeries, ultrasound workshop, Industry lunch symposia.

> FRIDAY JULY 9TH, 2021

Anatomic total shoulder arthroplasties: state of the art, new treatment options and results of revision procedures
• Scientific presentations, Video demonstrations and Relive Surgery, Interactive case discussions, Mini-battle, Live surgeries, ultrasound workshop, Industry lunch symposia.

> SATURDAY JULY 10TH, 2021

Reverse shoulder arthroplasties: history, recent developments and management of complications
• Scientific presentations, Video demonstrations and Relive Surgery, Interactive case discussions, Mini-battle, Industry lunch symposia.

Chairmen
Valenti Philippe
France
Scheibel Markus
Switzerland/Germany

Scientific Committee
Athwal George S.
Canada
Castagna Alessandro
Italy
Gerber Christian
Switzerland
Iannotti Joseph
USA
Lafosse Laurent
France
Verborgt Olivier
Belgium

Faculty List
Agneskirchner Jens (Germany)
Kralinger Franz (Austria)
Antuna Samuel (Spain)
Laedermann Alexandre (Switzerland)
Athwal George S. (Canada)
Lafosse Laurent (France)
Barth Johannes (France)
Levine William N. (USA)
Berhouet Julien (France)
Mansat Pierre (France)
Boileau Pascal (France)
Moro Fabrizio (Switzerland)
Brunner Ulrich (Germany)
Moroder Philipp (Germany)
Calvo Emilio (Spain)
Neyton Lionel (France)
Castagna Alessandro (Italy)
Obert Laurent (France)
Collin Philippe (France)
Ockert Ben (Germany)
Dines David (USA)
Raiss Patric (Germany)
Elhassan Bassem (USA)
Randelli Pietro (Italy)
Favard Luc (France)
Sanchez-Sotelo Joaquin (USA)
Flurin Pierre-Henri (France)
Scheibel Markus (Switzerland/Germany)
Frankle Mark A. (USA)
Schwyzser Hans-Kaspar (Switzerland)
Garrigues Grant (USA)
Tashjian Robert (USA)
Gerber Christian (Switzerland)
Torrens Canovas Carlos (Spain)
Godefroye Arnaud (France)
Valenti Philippe (France)
Gupta Ashish (Australia)
Verborgt Olivier (Belgium)
Iannotti Joseph (USA)
Werthel Jean-David (France)
Jiang Chunyan (China)
Wieser Karl (Switzerland)
Jost Bernhard (Switzerland)
Zumstein Matthias (Switzerland)
Kany Jean (France)
UPDATE AND CONTROVERSIES IN COMPLEX PROXIMAL HUMERAL FRACTURES

Presentation

Current challenges in proximal humeral fracture treatment – How to get it right?

_Moderators: S. Antuna (Spain), C. Jiang (China)_

- 3D analysis and virtual planning for complex fractures – What is new? – C. Torrens (Spain)
- How I teach my fellows to do a proper ORIF? – M. Scheibel (Switzerland/Germany)
- Nailing of complex fractures – Which are the key steps for success? – P. Boileau (France)

Discussion

- When I still do a hemi and when I go for a reverse arthroplasty? – U. Brunner (Germany)
- Long-term outcome of non-operative and surgical fracture treatment – P. Mansat (France)
- Complications after fracture treatment – Are we getting better? – J. Sanchez-Sotoelo (USA)

Interactive cases discussion (3 cases)

Non-operative vs osteosynthesis vs arthroplasty treatment for proximal humeral fractures – A decision making process

_Moderators: L. Obert (France), B. Jost (Switzerland)_

- Cases presentation: L. Obert (France)
- Faculty: S. Antuna (Spain), U. Brunner (Germany), C. Jiang (China), P. Mansat (France)
- Summary and conclusion: B. Jost (Switzerland)

Session 1

08h30-09h00

Session 2

09h00-09h30

09h30-09h45

Relive Surgery

09h45-10h00

Relive Surgery

10h00-10h30

Coffee break

Session 3

10h30-11h30

11h30-12h30

Live Surgery

12h30-14h00

Lunch & Industry Workshops

Session 1

08h30-09h00

Session 2

09h00-09h30

09h30-09h45

Relive Surgery

09h45-10h00

Relive Surgery

10h00-10h30

Coffee break

Session 3

10h30-11h30

11h30-12h30

Live Surgery

12h30-14h00

Lunch & Industry Workshops

• • PROGRAM - Thursday 8th

Update and controversies in complex proximal humeral fractures

Presentation

Current challenges in proximal humeral fracture treatment – How to get it right?

_Moderators: S. Antuna (Spain), C. Jiang (China)_

- 3D analysis and virtual planning for complex fractures – What is new? – C. Torrens (Spain)
- How I teach my fellows to do a proper ORIF? – M. Scheibel (Switzerland/Germany)
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Discussion

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- Long-term outcome of non-operative and surgical fracture treatment – P. Mansat (France)
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Interactive cases discussion (3 cases)

Non-operative vs osteosynthesis vs arthroplasty treatment for proximal humeral fractures – A decision making process

_Moderators: L. Obert (France), B. Jost (Switzerland)_

- Cases presentation: L. Obert (France)
- Faculty: S. Antuna (Spain), U. Brunner (Germany), C. Jiang (China), P. Mansat (France)
- Summary and conclusion: B. Jost (Switzerland)
**PROGRAM - Thursday 8th**

**14h00-15h00**

**Live Surgery**

**Session 4**

15h00-15h30

**Invited special guest lecture**

*Moderator: M. Scheibel (Switzerland/Germany)*

> Lessons learned in proximal humeral fracture care during my career – P. Boileau (France)

**Session 5**

15h30-16h00

**Mini battle**

Augmentation options or alternative methods for treatment of complex proximal humeral fractures

*Moderators: U. Brunner (Germany), M. Zumstein (Switzerland)*

> I operate without augmentation – Ph. Moroder (Germany)
> I operate with graft augmentation – U. Brunner (Germany)
> Cement augmentation works best – F. Kralinger (Austria)
> I replace with metal – B. Jost (Switzerland)

**16h00-16h15**

**Relive Surgery**

**16h15-16h45**

**Coffee break**

**16h45-17h45**

**Live Surgery**

**Session 6**

17h45-18h15

**Interactive case discussion (3 cases)**

The most complex fractures and how I approach them?

*Moderators: L. Obert (France), B. Jost (Switzerland)*

> Cases presentation: F. Kralinger (Austria)
> Faculty: P. Boileau (France), M. Scheibel (Germany/Switzerland), C. Torrens (Spain), P. Mansat (France)
> Summary and conclusion: B. Ockert (Germany)
UPDATE AND CONTROVERSIES IN ANATOMIC TOTAL SHOULDER ARTHROPLASTY (ATSA)

Session 1
08h00-09h00

Presentations

Update on preoperative planning for ATSA
Moderators: B. Jost (Switzerland), J. Iannotti (USA)
- Advantages of 3D reconstruction versus 2D and standard x-rays – L. Neyton (France)
- 3D preoperative planning - Which software is the best? – P. Denard (USA)
- Accuracy of PSI or reusable guides versus standard instrumentation – L. Favard (France)
- Accuracy of intraoperative 3D navigation in ATSA – P.H. Flurin (France)
- Discussion
- Artificial intelligence and applications in shoulder arthroplasty – G. Athwal (Canada)
- Augmented reality for glenoid component implantation – J.D. Werthel (France)
- Discussion

Coffee break
10h00-10h30

Session 2
09h00-10h00

Mini battle

Metal back in ATSA: Myth or true future?
Moderators: M. Frankle (USA), O. Verborgt (Belgium)
- Evolution of the metal back during the last 30 years – D. Dines (USA)
- Why did I decide to stop metal back in 1996? – P. Boileau (France)
- How do you explain the high failure rates of metal back in Australia – A. Gupta (Australia)
- Why I continue: metal back versus full PE with more than five-year FU – Ph. Valenti (France)
- Discussion
- Why do you continue anatomic metal back: long-term FU? – A. Castagna (Italy)

Session 3
10h30-11h00

Interactive cases discussion (3 cases)

Osteoarthritis in patients older than 80 years of age - Is there still a place for ATSA?
Moderators: E. Calvo (Spain), L. Lafosse (France)
- Cases presentation: L. Lafosse (France)
- Faculty: J. Agneskirchner (Germany), C. Gerber (Switzerland), O. Verborgt (Belgium)
- Summary and conclusion: E. Calvo (Spain)

Relive Surgery
11h00-11h15

Lecture
11h15-11h30

Live Surgery
11h30-12h30
**PROGRAM - Friday 9th**

12h30-14h00

**Lunch & Industry Workshops**

14h00-15h00

**Live Surgery**

15h00-15h30

**Philippe Hardy Lecture**

Evolution of the preoperative planning in ATSA and what is the future?

*Moderator: M. Scheibel (Switzerland/Germany)*

> Evolution of the preoperative planning in ATSA and what is the future? – J. Iannotti (USA)

15h30-15h45

**Relive Surgery**

15h45-16h15

**Coffee break**

16h15-17h15

**Live Surgery**

**Session 4**

15h00-15h30

**Session 5**

17h15-18h15

**Mini battle**

Osteoarthritis in patients younger than 50 years of age

*Moderators: A. Castagna (Italy), B. Elhassan (USA)*

> I prefer viscosupplementation or PRP – P. Randelli (Italy)
> I prefer arthroscopic release and debridement – A. Laedermann (Switzerland)
> I look for posterior instability and treat the underlying cause – Ph. Moroder (Germany)

18h15-18h45

**Interactive case discussion (3 cases)**

How to revise a full PE glenoid loosening in ATSA

*Moderators: A. Gupta (Australia), H-K. Schwyzer (Switzerland)*

> Cases presentation: H-K. Schwyzer (Switzerland)
> Faculty: E. Calvo (Spain), D. Dines (USA), P. Randelli (Italy), W. Levine (USA)
> Summary and conclusion: A. Gupta (Australia)

> Discussion
UPDATE AND CONTROVERSIES IN REVERSE TOTAL SHOULDER ARTHROPLASTY (RTSA)

Session 1
08h00-09h00

Presentations

Update on preoperative planning for RTSA
  Moderators: J. Iannotti (USA), O. Verborgt (Belgium)
  Accuracy of glenoid component with only standard x-rays – K. Wieser (Switzerland)
  3D planning with PSI or reusable guide versus standard instrumentation – J. Berhouet (France)
  Accuracy of intra-operative 3D navigation with mix reality in RTSA – Ph. Collin (France)
  Robotic shoulder surgery: is it the future to accurate glenoid implantation – J. Sanchez-Sotelo (USA)
  Discussion

Session 2
09h00-09h30

Mini battle

How do you manage glenoid B2, B3 or C?
  Moderators: D. Dines (USA), P. Denard (USA)
  I don’t use any augmentation – M. Zumstein (Switzerland)
  Augmented metallic baseplate – Ph. Flurin (France)
  Reconstruction using a bone graft – J. Agneskirchner (Germany)
  Alternate centerline – M. Frankle (USA)
  Discussion

Session 3
09h30-10h00

Interactive cases discussion (3 cases)

How do you manage a glenoid E3 or E4?
  Moderators: A. Laedermann (Switzerland), L. Favard (France)
  Faculty: G. Athwal (Canada), A. Castagna (Italy), J. Iannotti (USA)
  Summary and conclusion: L. Favard (France)

09h45-10h00

Relive Surgery

10h00-10h30

Coffee break and visit of the exhibition

Session 4
10h30-11h00

Invited special guest lecture

Moderator: Ph. Valenti (France)
  My mistakes at the beginning of the RTSA and what did I learn?

11h00-11h15

Relive Surgery

11h15-11h30

Relive Surgery
Mini battle

How to lateralize and distalize in RTSA?
Moderators: Ph. Collin (France), R. Tashjian (USA)
- Lateralization with different implants – J.D. Werthel (France)
- Arguments for bipolar metallic lateralization – M. Scheibel (Switzerland/Germany)
- Arguments for BIO-RSA – A. Godeneche (France)
- Arguments for 2/3 glenosphere – M. Frankle (USA)
- Discussion
- Arguments for onlay versus flushlay versus inlay system – A. Laedermann (Switzerland)
- Arguments for inclination 135° versus 145° versus 155° angle – P. Denard (USA)
- Arguments for curved versus straight stem – P. Raiss (Germany)
- Discussion
- Soft tissue and distalization and lateralization – Ph. Valenti (France)
- What is the best combination? – J. Barth (France)

Lunch & Industry Workshops

Presentations

How do you manage difficult situations in RTSA?
Moderators: J. Barth (France), W. Levine (USA)
- Malunion of the great tuberosity – P. Raiss (Germany)
- Managing The Bad Glenoid: Missing bone & loose implants – G. Athwal (Canada)

Session 7
14h45-15h15
Invited special guest lecture
Moderator: Ph. Valenti (France)
- History of the RTSA in US - My evolution with designs, trials and tribulations – M. Frankle (USA)

Coffee break and visit of the exhibition

Session 8
15h45-16h45
Mini battle

RSA and tendon transfer in lack of active forward elevation and external rotation
Moderators: G. Athwal (Canada), P. Raiss (Germany)
- I prefer L’Episcopo procedure – Ph. Valenti (France)
- I prefer lower trapezius transfer – B. Elhassan (USA)
- I prefer a latissimus dorsi transfer – J.D. Werthel (France)
- I prefer a lateralized RTSA – Ph. Collin (France)
- RTSA Tendon transfer in tumor reconstruction – J. Sanchez-Sotelo (USA)
- Discussion
Interactive case discussion (3 cases)

How to diagnose, manage and prevent an infection?

- Moderators: G. Garrigues (USA), Ph. Moroder (Germany)
- Cases presentation: Ph. Moroder (Germany)
- Faculty: J. Kany (France), P. Randelli (Italy), R. Tashjian (USA), K. Wieser (Switzerland)
- Summary and conclusion: G. Garrigues (USA)

End of meeting

Ph. Valenti (France), M. Scheibel (Switzerland/Germany)

Notes
GENERAL INFORMATION

8-10 JULY 2021

Venue: Marriott Paris Rive Gauche Conference Center
17, Boulevard Saint Jacques
75014 Paris, France

ATTENDANCE
700 participants

LANGUAGE
The official language of the course is English. No simultaneous translation will be provided.

CATERING
Coffee-breaks will be served every morning and every afternoon in the exhibition area. Cocktail lunch will also be organised and served in the exhibition area (standing cocktail).

EXHIBITION TIME TABLE

Build-up
Wednesday, July 7th, 2021
from 5pm onwards

Thurday, July 8th, 2021
6:00 am – 8:00 am

Exhibition
Thursday, July 8th, 2021
8:00 am – 6:30 pm

Friday, July 9th, 2021
8:00 am – 6:30 pm

Saturday, July 10th, 2021
8:00 am – 2:00 pm

Dismantling
Saturday, July 10th, 2021
from the end of the course.

CONTACTS

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ACCOMMODATION

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contact elise.tagliarino@eventime-group.com

Single bedroom - breakfast included: 212 € (including VAT) per night
+ tourist tax per night

Double/Twin bedroom: 15 € per night supplement.
+ tourist tax per night