



Shoulder  
Surgery  
2025

# Emerging Technologies in Arthroscopy, Fracture Care and Arthroplasty

**BERLIN**

International Shoulder Course

**2025**

APRIL 23–26  
BERLIN, GERMANY

# PRELIMINARY PROGRAM



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Dear colleagues and friends,

over the last 25 years, the world of shoulder surgery has been influenced by a tremendous amount of new technologies, implant developments and advanced surgical interventions. This trend is still on-going and in a fast-changing world of transient ideas it is time to reflect which of those innovations have been most impactful and helped us to improve patient outcomes, increase patient safety and are more cost-effective.



A robust understanding of each technology, implant design and surgical procedure including the potential impact in addressing a true clinical problem should be the major goal during Berlin International Shoulder Course (BISC) 2025.

For the first time we will start this meeting on Wednesday with a very special event – a Pre-Course dedicated to most recent innovations. Sign in soon – there is only limited capacity!

Leading experts from all over the globe will contribute with their expertise and will illustrate how to achieve the best possible treatment outcome for our patients using advanced technologies.

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

Our meeting will again take place in one of the most attractive locations in the heart of Berlin, between Kurfuerstendamm and Potsdamer Platz. The InterContinental reflects the dynamics of the German capital and unites tradition and modernity. Its outstanding meeting facilities guarantee professionalism in a familial atmosphere.

We are looking forward to welcome you to the Berlin International Shoulder Course from April 23–26 2025.

Prof. Dr. med. Markus Scheibel  
On behalf of the Scientific Committee of BISC



1	<b>Welcome Address</b>
3	<b>Information</b> <b>International Scientific Committee, Local Organizing Committee</b>
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## **Chairman**

Markus Scheibel, Switzerland/Germany

## **International Scientific Committee**

Doruk Akgün, Germany  
Emilio Calvo, Spain  
Philippe Collin, France  
Alessandro Castagna, Italy  
William N. Levine, USA  
Patric Raiss, Germany  
Joaquin Sanchez-Sotelo, USA  
Philippe Valenti, France

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Anh Do, Germany  
Rony-Orijit Dey Hazra, Germany  
Larissa Eckl, Switzerland  
Jan-Philipp Imiolczyk, Switzerland  
Moritz Kraus, Switzerland  
Christina Lorenz, Switzerland  
Alp Paksoy, Germany  
Philipp Vetter, Switzerland  
Isabella Weiß, Germany

# FACULTY

 Doruk Akgün 	 Tjarco Alta 	 George Athwal 	 David Back 
 Stephen Bale 	 Raul Barco 	 Johannes Barth 	 Dirk Böhm 
 Dorothea Böhm 	 Elisabeth Böhm 	 Pascal Boileau 	 Mario Borroni 
 Ulrich Brunner 	 Emilio Calvo 	 Alessandro Castagna 	 Andy Choo 
 Philippe Collin 	 Ruth Delaney 	 Mehmet Demirhan 	 Rony-Orijit Dey Hazra 
 Anh Do 	 Larissa Eckl 	 Bassem Elhassan 	 David Endell 
 Francesco Franceschi 	 Florian Freisleder 	 Christian Gerber 	 Stefano Gumina 
 Florian Haasters 	 Abdul Ilah Hachem 	 Robert Hartzler 	 Jan-Philipp Imiolczyk 
 Bernhard Jost 	 Tobias Jung 	 Moritz Kraus 	 Simon Lambert 

# FACULTY

 Alexandre Lädermann 	 Laurent Lafosse 	 Thibault Lafosse 	 Asimina Lazaridou 
 Osvandre Lech 	 William L. Levine 	 Przemyslaw Lubiatowski 	 Emanuele Maggini 
 Raffy Mirzayan 	 Beat Moor 	 Fabrizio Moro 	 Philipp Moroder 
 Lionel Neyton 	 Alp Paksoy 	 Paolo Paladini 	 Thilo Patzer 
 Michele Pressacco 	 Patric Raiss 	 Matt Ravenscroft 	 Miguel Ruiz Ibán 
 Maristella Saccomanno 	 Joaquin Sanchez-Sotelo 	 Felix H. Savoie 	 Markus Scheibel 
 Bradley Schoch 	 Sebastian Siebenlist 	 Christian Spross 	 Philippe Valenti 
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SCHEDULE – WEDNESDAY | APRIL 23, 2025

Pre-Course	
Introduction	
Introducing Orthopedics First ML Based CT Planning Software	
Implant Innovation – The Identity Shoulder System	
Shoulder Replacement – Worth to Plan but Better to Execute the Plan	
The Importance of Pre-Operative Planning when dealing with Complex Reverse Shoulder Arthroplasty	
Is Metal-Augmented Reverse Baseplate Fixation The Strategy for the Future – Innovation for Glenoid Defects	
Dealing with Revision in 2025	
End of Pre-Course	

14:30–19:30

19:30

07:00	Registration
07:45-08:00	Welcome
08:00-09:00	<b>Keynote Presentations</b> Evolving Technologies in Anterior Shoulder Instability – Non-Operative Treatment and Soft-Tissue Procedures
09:00-09:20	<b>Invited Special Guest Lecture</b> Glenoid Bone Loss in Anterior Instability
09:20-10:00	<b>Live-Surgery</b> Open Latarjet without Screws – The New Gold Standard?
10:00-10:30	Coffee Break and Exhibition
10:30-11:10	<b>Keynote Presentations</b> Bony-Mediated Shoulder Instability – Pathoanatomy and Reconstructive Procedures
11:10-12:00	<b>Relieve Surgical Technique Videos, Round Table Discussion</b> Treatment of Bony-Mediated Shoulder Instability
12:00-13:30	Lunch Break, Exhibition and Lunch Symposia
13:30-14:30	<b>Interactive Mini-Battle</b> Functional Shoulder Instability – What is the Best Treatment Option? Shoulder Instability and Ehlers-Danlos Syndrome Shoulder Instability after Seizures in Epileptics
14:30-15:00	<b>Keynote Presentations</b> Management of Cartilage Injuries of the Shoulder
15:00-15:30	<b>Live-Surgery</b> Shoulder Instability Surgery using VIMS Technology – Streaming from Bella Italia
15:30-15:50	<b>Live-Surgery</b> Allogenic Anatomic Implant-Free Anterior Glenoid Reconstruction
15:50-16:20	Coffee Break and Exhibition
16:20-17:40	<b>Keynote Presentations</b> Complex Fractures and Fracture Sequelae of the Shoulder and Shoulder Girdle
17:40-18:00	<b>Relieve Surgical Technique Videos, Round Table Discussion</b> Innovative Techniques for the Treatment of Fractures of the Proximal Humerus
18:00-18:20	<b>Invited Special Guest Lecture</b> AC-Joint Instability
18:20-19:00	<b>Keynote Presentations</b> Let’s talk about Complications!
19:00	End of First Day and Welcome Reception
19:30	<b>Meet the Experts</b> Case Disasters and How I Overcame them 

<b>LUNCH SYMPOSIA 12:15-13:15</b>
<b>Lunch Symposium 1</b> Management of the Rotator Cuff Tear – The Complete Approach 
<b>Lunch Symposium 2</b> Suture Technology Driving Innovation 
<b>Lunch Symposium 3</b> All around OSTEOCONNECT Techniques for Complex Instability 
<b>Lunch Symposium 4</b> Mastering the Glenoid – Complex Case Discussions 
<b>Lunch Symposium 5</b> Treating Proximal Humeral Fractures 
<b>Lunch Symposium 6</b> Mastering RSA: Strategies for Success 
<b>Lunch Symposium 7</b> Innovative Concepts in Arthroscopic Shoulder Surgery 

<b>LUNCH SYMPOSIA 12:15-13:15</b>
<b>Lunch Symposium 1</b> Complex Case Discussions in Shoulder Arthroplasty 
<b>Lunch Symposium 2</b> Advancing Clinical Outcomes through Novel Implant Designs 
<b>Lunch Symposium 3</b> Innovations in Motion – Personalized Shoulder Solutions and Technologies 
<b>Lunch Symposium 4</b> Innovation in Bone Preservation 
<b>Lunch Symposium 5</b> Advanced Solutions to Improve Shoulder Surgery 
<b>Lunch Symposium 6</b> Proximal Humerus Fractures in 2025 – What do we know 

<b>Keynote Presentations</b> Evolving Technologies in Rotator Cuff Surgery – Non-Operative Treatment and Anatomical Repairs
<b>Invited Special Guest Lecture</b> Digital Innovations in Shoulder Arthroscopy
<b>Live-Surgery</b> Arthroscopic Rotator Cuff Repair with Graft Augmentation using CuffMend™
Coffee Break and Exhibition
<b>Relieve Surgical Technique Videos and Evidence Based-Treatment Approach</b> Augmentation of Rotator Cuff Tears using Regeneten – Who benefits most?
<b>Keynote Presentations</b> Treatment of Massive Irreparable Posterosuperior Rotator Cuff Tears – Let’s try to clarify the Indications!
Lunch Break, Exhibition and Lunch Symposia
<b>Interactive Mini-Battle</b> Controversial topics – Audience please vote! The Future of Augmentation in Rotator Cuff Surgery Chronic Subscapularis Insufficiency Treatment of the Biceps with Concomitant Superior Rotator Cuff Tears
<b>Live-Surgery</b> Reverse Shoulder Arthroplasty (Perform Humeral & Perform Reverse)
Coffee Break, Exhibition and Round Table Discussion
<b>Relieve Surgical Technique Videos, Round Table Discussion</b> Latest Technologies in Shoulder Surgery
<b>Invited Special Guest Lecture</b> Re-Tears after Rotator Cuff Reconstruction – What is Different Compared to Primary Repairs?
<b>Keynote Presentations</b> Scapulo Thoracic Abnormal Motion (STAM) – Diagnosis and Management
End of Second Day

08:00 - 09:00
09:00-09:20
09:20-10:00
10:00-10:30
10:30-11:00
11:00-12:00
12:00-13:30
13:30-14:30
14:30-15:30
15:30-16:00
16:00-16:40
16:40-17:00
17:00-18:00
18:00

08:00-09:00	<b>Keynote Presentations</b> Evolving Technologies in Shoulder Arthroplasty – 3D planning, PSI, Mixed Reality, Navigation, Machine Learning and Robotics
09:00-10:00	<b>Keynote Presentations</b> Latest Technologies in Hard-Ware for Optimizing Outcome in Shoulder Arthroplasty
10:00-11:30	<b>Brunch Break, Exhibition, Brunch Symposia and Ultrasound Workshop</b>
11:30-12:20	<b>Relieve Surgical Technique Videos, Round Table Discussion</b> Latest Technologies in Shoulder Surgery
12:20-13:30	<b>Keynote Presentations</b> How to Manage Complications in Shoulder Arthroplasty in 2025
13:30-13:45	<b>Farewell &amp; Winner Announcement</b>
13:30-14:00	<b>Shuttle to Cadaver Workshop</b>
14:00-17:00	<b>Cadaver Workshop</b>
17:00	<b>End of Meeting</b>

<b>BRUNCH SYMPOSIA 10:15-11:15</b>
<b>Brunch Symposium 1</b> What's your Plan? How a Decade of Innovation has Impacted Shoulder Arthroplasty <b>stryker</b>
<b>Brunch Symposium 2</b> Reveal the Potential – Spheroid Technology for Articular Cartilage Regeneration in the Shoulder <b>ZeLive</b>   <b>codon</b> <small>codon is a the.love company</small>
<b>Ultrasound Workshop</b>

**Rogozinski Glenoid Retractor**  
#4271

Designed by Chaim Rogozinski, MD

*Designed with an ergonomic profile to help reduce retraction fatigue and place the assistant's hand out of surgical view, while the undersurface helps stabilize the humeral head to allow excellent visualization of the glenoid*

**Rogozinski Glenoid Retractor**  
#4277-01

Designed by Chaim Rogozinski, MD

*Designed to help expose the glenoid for reaming during total shoulder arthroplasty*

**Modified Humeral Head Retractors**  
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Designed to help lever and displace the proximal humerus posteriorly

**Wiater Shoulder Slide**  
#6879

Designed by J. Michael Wiater, MD, FAOS, FAOA

*Designed to help avoid damage to the prosthetic bearing surfaces during dislocation and reduction of a shoulder arthroplasty*

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**INNOMEDI**

**14:30-19:30 Pre-Course**

- Introduction**
- Scheibel
- Latest Innovations**
- Introducing Orthopedics First ML Based CT Planning Software**
- Schoch
- Implant Innovation – The Identity Shoulder System**
- Levine
- Shoulder Replacement – Worth to Plan but Better to Execute the Plan**
- Zumstein
- The Importance of Pre-Operative Planning when Dealing with Complex Reverse Shoulder Arthroplasty**
- Moroder
- Is Metal-Augmented Reverse Baseplate Fixation The Strategy for the Future – Innovation for Glenoid Defects**
- Bale
- Dealing with Revision in 2025**
- Sanchez-Sotelo

**19:30 End of the Pre-Course**

07:00

## Registration

07:45-08:00

## Welcome



Scheibel

Session 1  
08:00-09:00

## Keynote Presentations

### Evolving Technologies in Anterior Shoulder Instability – Non-Operative Treatment and Soft-Tissue Procedures



Savoie | Scheibel

- |       |                                                                            |                 |
|-------|----------------------------------------------------------------------------|-----------------|
| 08:00 | The decision-making process using the global glenoid track concept         | <i>Moroder</i>  |
| 08:08 | First-time shoulder dislocation – Non-operative, Bankart-repair or more?   | <i>Lech</i>     |
| 08:16 | Isolated and augmented Bankart-Repairs – Did the results improve?          | <i>Collin</i>   |
| 08:24 | Bankart-repair and remplissage – Outcomes, healing rates and complications | <i>Verma</i>    |
| 08:32 | Anterior instability and hyperlaxity – Strategies in 2025                  | <i>Valenti</i>  |
| 08:40 | How I deal with associated rotator cuff tears and nerve injuries?          | <i>Calvo</i>    |
| 08:48 | The beginning of modern shoulder stabilization – Remember the history!     | <i>Scheibel</i> |
| 08:56 | Discussion                                                                 |                 |

Session 2  
09:00-09:20

## Invited Special Guest Lecture



### Glenoid Bone Loss in Anterior Instability

Scheibel

09:00

Latarjet isn't the gold standard anymore!

*Levine*

Live-Surgery  
09:20-10:00

## Live-Surgery

### Open Latarjet without Screws – The New Gold Standard?



Athwal | Gerber

Case presentation

Surgeon

*Do*

*Boileau*

10:00-10:30

## Coffee Break and Exhibition

Session 3  
10:30-11:10

## Keynote Presentations

### Bony-Mediated Shoulder Instability – Pathoanatomy and Reconstructive Procedures



L. Lafosse | Lubiatowski

10:30

The myth around anterior glenoid rim fractures

*Scheibel*

10:38

From bony avulsion of the cuff to greater tuberosity fractures

*Wieser*

10:46

Free bone-block procedures – History and current concepts

*Hachem*

10:54

Open vs. arthroscopic Latarjet procedure – Where is the difference?

*Lädermann*



Session 4  
11:10-12:00

## Relieve Surgical Technique Videos and Round Table Discussion

### Treatment of Bony-Mediated Shoulder Instability



Akgün | Ravenscroft

- |       |                                                                          |                 |
|-------|--------------------------------------------------------------------------|-----------------|
| 11:10 | Instability repair with remplissage using knotless soft anchors          | <i>Walton</i>   |
| 11:16 | Flipped Latarjet - Technique and short-term outcome                      | <i>Raiss</i>    |
| 11:22 | Arthroscopic-assisted J-graft for posterior glenoid bone loss            | <i>Moroder</i>  |
| 11:28 | Interconnected anchor fixation of free bone grafts                       | <i>Scheibel</i> |
| 11:34 | Posterior bone block using button fixation                               | <i>Haasters</i> |
| 11:40 | The Kouvalchouk procedure for posterior instability                      | <i>Athwal</i>   |
| 11:46 | Acromion and glenoid osteotomies to correct static posterior subluxation | <i>Gerber</i>   |
| 11:52 | Round table discussion                                                   |                 |

12:00-13:30

## Lunch Break, Exhibition and Lunch Symposia

Lunch Symposia  
12:15-13:15

## Lunch Symposia

Lunch Symposium 1	Management of the Rotator Cuff Tear – The Complete Approach	
Lunch Symposium 2	Suture Technology Driving Innovations	
Lunch Symposium 3	All around OSTEOCONNECT Techniques for Complex Instability	
Lunch Symposium 4	Mastering the Glenoid – Complex Case Discussions	ZIMMER BIOMET Moving You Forward™
Lunch Symposium 5	Treating Proximal Humeral Fractures	
Lunch Symposium 6	Mastering RSA – Strategies for Success	
Lunch Symposium 7	Innovative Concepts in Arthroscopic Shoulder Surgery	

Session 5  
13:30-14:30

## Interactive Mini-Battle

Controversial Topics – Audience please vote!



Levine | Valenti

### 13:30-13:50 Functional Shoulder Instability – What is the Best Treatment Option?

- 13:30 Arthroscopic stabilization and rehab is the way to go *Savoie*
- 13:35 Physiotherapy and pacemaker provides the best results *Moroder*
- 13:40 Distal-proximal neuromotor rehab – Cheap and effective *Barth*
- 13:45 Discussion and now please vote!

### 13:50-14:10 Shoulder Instability and Ehlers-Danlos Syndrome

- 13:50 Don't touch – Surgery makes it even worse! *Lädermann*
- 13:55 Capsulorrhaphy with and without allograft augmentation *Alta*
- 14:00 Fusion or alternative non-soft tissue procedures *Demirhan*
- 14:05 Discussion and now please vote!

### 14:10-14:30 Shoulder Instability after Seizures in Epileptics

- 14:10 Bankart repair and remplissage is enough *Hartzler*
- 14:15 Bony reconstruction is mandatory *Sanchez-Sotelo*
- 14:20 I wait until everything else has failed *Werthel*
- 14:25 Discussion and now please vote!

Session 6  
14:30-15:00

## Keynote Presentations

Management of Cartilage Injuries of the Shoulder



Castagna | Werthel

- 14:30 Why I continue to do microfracturing? *Verma*
- 14:36 Autologous chondrocyte transplantation – The gold standard? *E. Böhm*
- 14:42 Minced cartilage – The new kid on the block *Imiolczyk*
- 14:48 When is an osteochondral transplantation indicated? *Mirzayan*
- 14:54 The unusual case – Have you seen it? *Scheibel*

Live-Surgery  
15:00-15:30

## Live-Surgery

Shoulder Instability Surgery using VIMS Technology –  
Streaming from Bella Italia



Barth | Verborgt

- Case presentation *Eckl*
- Surgeon *Saccomanno*

Live-Surgery  
15:30-15:50

## Live-Surgery

Allogenic Anatomic Implant-Free Anterior Glenoid Reconstruction



Lech | Moroder

- Case presentation *Paksoy*
- Surgeon *Akgün*

15:50-16:20

## Coffee Break and Exhibition

Session 7  
16:20-17:40

## Keynote Presentations

### Complex Fractures and Fracture Sequelae of the Shoulder and the Shoulder Girdle



**Brunner** | **Gumina**

- 16:20 Augmented reality to improve fracture care – Where do we stand? *Lubiatowski*
- 16:28 Shape-matching-based fracture reduction navigation *Lambert*
- 16:36 Challenges in 2025 to treat proximal humeral fractures? *Choo*
- 16:44 Minimal-invasive treatment of proximal humeral fractures – My best indications ! *Boileau*
- 16:52 Hemiarthroplasty vs. ORIF for complex fractures in middle-aged patients *Alta*
- 17:00 Reverse for fractures – When to indicate acutely, when to wait? *Schoch*
- 17:08 Complex fractures of the lateral end of the clavicle *Akgün*
- 17:16 Scapula fractures – What can be managed arthroscopically? *Scheibel*
- 17:24 Clavicle malunion and nonunion – The value of 3D printed technology *Sanchez-Sotelo*
- 17:32 Discussion

Session 8  
17:40-18:00

## Relieve Surgical Technique Videos and Round Table Discussion

### Innovative Techniques for the Treatment of Fractures of the Proximal Humerus



**Choo** | **Moro**

- 17:40 How to reduce, retain and fix a proximal humeral fracture? *Scheibel*
- 17:46 RSA in an acute fracture using VIP and the cow hitch fixation technique *Wieser*
- 17:52 Round table discussion

Session 9  
18:00-18:20

## Invited Special Guest Lecture

### AC-Joint Instability



**Scheibel**

- 18:00 AC Joint Instability in 2025 – The Bernese approach *Zumstein*






Session 10  
18:20-19:00

## Keynote Presentations



Let's talk about Complications!

Boileau  | Wieser 

- |       |                                                             |                                                                                              |
|-------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 18:20 | Revision of failed free bone block procedures               | Brunner     |
| 18:28 | Management of failed Latarjet procedures                    | Delaney     |
| 18:36 | How to manage stiffness after proximal humeral fractures    | Moro        |
| 18:44 | Nerve transfers around the shoulder after iatrogenic injury | T. Lafosse  |
| 18:52 | How I deal with my failures of AC joint reconstruction      | Siebenlist  |

19:00

## End of First Day and Welcome Reception

19:30

## Meet the Experts

Case Disasters and How I Overcame them










Session 1  
08:00-09:00

## Keynote Presentations



Evolving Technologies in Rotator Cuff Surgery –  
Non-Operative Treatment and Anatomical Repairs

Collin  | Verma 

- |       |                                                                          |                                                                                                |
|-------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 08:00 | Automatic tear detection in standard MRI using AI                        | Zumstein    |
| 08:08 | Degeneration and healing of cuff tears – How does it match?              | Gumina      |
| 08:16 | How to achieve good results after rotator cuff repair?                   | Lädemann    |
| 08:24 | PASTA lesion – What have I learned during the last three decades?        | Castagna    |
| 08:32 | Reconstruction techniques for posterosuperior massive tears              | Neyton      |
| 08:40 | Subscapularis tears – Pattern recognition and tips and tricks for repair | L. Lafosse  |
| 08:48 | The unusual case – Have you seen it?                                     | Scheibel    |
| 08:56 | Discussion                                                               |                                                                                                |

Session 2  
09:00-09:20

## Invited Special Guest Lecture

Digital Innovations in Shoulder Arthroscopy



Scheibel 

- |       |                                               |                                                                                              |
|-------|-----------------------------------------------|----------------------------------------------------------------------------------------------|
| 09:00 | The digital world enters shoulder arthroscopy | Athwal  |
|-------|-----------------------------------------------|----------------------------------------------------------------------------------------------|

Live-Surgery  
09:20-10:00

## Live-Surgery

Arthroscopic Rotator Cuff Repair with Graft Augmentation using CuffMend™



Hachem  | Raiss 

Case presentation  
Surgeon

Weiβ   
Ravenscroft 

10:00-10:30

## Coffee Break and Exhibition

Session 3  
10:30-11:00

## Relieve Surgical Technique Videos and Evidence Based-Treatment Approach

Augmentation of Rotator Cuff Tears using Regeneten – Who benefits most?



T. Lafosse  | Ruiz Ibán 

10:30 Regeneten augmentation for various types of cuff tears – Video demo

Savoie 

10:40 What is the evidence of structural healing for partial and full-thickness tears?

Ruiz Ibán 

10:45 The use of regeneten in high-risk of failure repairs

Lubiatowski 

10:50 Other indications for regeneten augmentation

Calvo 

10:55 Discussion

Session 4  
11:00-12:00

## Keynote Presentations

Treatment of Massive Irreparable Posterosuperior Rotator Cuff Tears – Let's try to clarify the Indications!



Jost  | Walton 

11:00 Biceps tenotomy for functional irreparable rotator cuff tears

Boileau 

11:08 When is a partial repair indicated? Technique and results

Paladini 

11:16 I prefer arthroscopic biologic tuberoplasty

Mirzayan 

11:24 Tuberoplasty and bursal acromial reconstruction

Ravenscroft 

11:32 Superior capsular reconstruction – Dermal allograft, biceps, ...?

Hartzler 

11:40 Latissimus dorsi transfer – The undisputed winner?

Gerber 

11:48 Lower trapezius transfer – The only way to restore external rotation

Valenti 

11:56 Discussion













12:00-13:30

## Lunch Break, Exhibition and Lunch Symposia

13:30

## Shuttle to Cadaver Workshop

Lunch Symposia 12:15-13:15		
Lunch Symposium 1	Complex Case Discussions in Shoulder Arthroplasty	
Lunch Symposium 2	Advancing Clinical Outcomes through Novel Implant Designs	
Lunch Symposium 3	Innovations in Motion – Personalized Shoulder Solutions and Technologies	
Lunch Symposium 4	Innovations in Bone Preservation	
Lunch Symposium 5	Advanced Solutions to Improve Shoulder Surgery	
Lunch Symposium 6	Proximal Humerus Fractures in 2025 – What do we know?	

Session 5 13:30-14:30		
<b>Interactive Mini-Battle</b>		
Controversial Topics – Audience please vote!		
 Calvo    Hartzler 		
<b>13:30-13:50</b>	<b>The Future of Augmentation in Rotator Cuff Surgery</b>	
13:30	Autografts (biceps etc.) is the way to go	Endell 
13:35	I rely on dermal patches from our tissue bank	Paladini 
13:40	Synthetic technology is the future	Wieser 
13:45	Discussion and now please vote!	
<b>13:50-14:10</b>	<b>Chronic Subscapularis Insufficiency</b>	
13:50	Anterior capsular reconstruction	Mirzayan 
13:55	Pectoralis major or latissimus dorsi transfer?	Elhassan 
14:00	Lower trapezius is the new kid on the block	T. Lafosse 
14:05	Discussion and now please vote!	
<b>14:10-14:30</b>	<b>Treatment of the Biceps with Concomitant Superior Rotator Cuff Tears</b>	
14:10	I preserve the tendon (Keep it!)	Lech 
14:15	I just cut it (Kill it!)	Dey Hazra 
14:20	I tenodese it (Fix it!)	Barco 
14:25	Discussion and now please vote!	

Live-Surgery  
14:30-15:30

## Live-Surgery

Reverse Shoulder Arthroplasty (Perform Humeral & Perform Reverse)



Neyton | Sanchez-Sotelo

Case presentation  
Surgeon

Kraus   
Scheibel

15:30-16:00

## Coffee Break and Exhibition

Session 6  
16:00-16:40

## Relieve Surgical Technique Videos and Round Table Discussion

### Latest Technologies in Shoulder Surgery



Alta | Mirzayan

- |       |                                                          |                |
|-------|----------------------------------------------------------|----------------|
| 16:00 | Neuroanatomy of the subscapularis muscle                 | Lambert        |
| 16:06 | Balloon on top of rotator cuff repairs                   | Sanchez-Sotelo |
| 16:12 | Superior capsular reconstruction using the biceps tendon | Barth          |
| 16:18 | Treatment of isolated biceps pathology                   | Verborgt       |
| 16:24 | How I compensate for posture in RSA                      | Moroder        |
| 16:30 | Pacemaker and RSA – Better outcome?                      | Raiss          |
| 16:36 | Round Table Discussion                                   |                |

Session 7  
16:40-17:00

## Invited Special Guest Lecture

### Re-Tears of the Rotator Cuff



Scheibel

- |       |                                                                                                           |      |
|-------|-----------------------------------------------------------------------------------------------------------|------|
| 16:40 | Management of re-tears after rotator cuff reconstruction – What is different compared to primary repairs? | Jost |
|-------|-----------------------------------------------------------------------------------------------------------|------|

Session 8  
17:00-18:00

## Keynote Presentations

### Scapulo Thoracic Abnormal Motion (STAM) – Diagnosis and Management



Demirhan | Elhassan

- |       |                                                            |          |
|-------|------------------------------------------------------------|----------|
| 17:00 | Anatomy and evaluation of the scapulothoracic articulation | Elhassan |
| 17:10 | What about structural STAM                                 | Hachem   |
| 17:20 | Management of isolated serratus and trapezius paralysis    | Werthel  |
| 17:30 | Management of combined muscle paralysis                    | Demirhan |
| 17:40 | My perspective on functional STAM                          | Elhassan |
| 17:50 | The unusual case – Have you seen it?                       | Scheibel |

18:00

## End of Second Day








Session 1  
08:00-09:00

## Keynote Presentations

### Evolving Technologies in Shoulder Arthroplasty – 3D planning, PSI, Mixed Reality, Navigation, Machine Learning and Robotics



Lädemann  | Levine 

- 08:00 Pre-op planning, PSI and MR in shoulder arthroplasty – When to do what? Delaney 
- 08:08 Blueprint mixed reality guidance – Re-live video and results Neyton 
- 08:16 Augmented reality assisted navigation – Do we really need it? Akgün 
- 08:24 Enabling greater precision and accuracy using ROSA shoulder system Verborgt 
- 08:32 Mixed reality versus robotic surgery – Who will win the battle? Sanchez-Sotelo 
- 08:40 Muscle modeling – What deltoid radiomic measurements are relevant for outcome? Schoch 
- 08:48 Machine learning in shoulder arthroplasty – A systematic review Lazaridou 
- 08:56 Discussion









Session 2  
09:00-10:00

## Keynote Presentations

### Latest Technologies in Hard-Ware for Optimizing Outcome in Shoulder Arthroplasty



Delaney  | Zumstein 

- 09:00 Pyrocarbon hemiarthroplasty with glenoid reaming in young patients Boileau 
- 09:08 Anatomical total shoulder arthroplasty – How to improve longevity? Levine 
- 09:16 Metallic lateralization in RSA – Reproducible, reliable and excellent outcome Freisleder 
- 09:24 Shining light on the dark side of tendon transfer in RSA Valenti 
- 09:32 How to re-establish internal rotation after RSA Collin 
- 09:40 Inverted-bearing reverse shoulder arthroplasty – Long-term results Borroni 
- 09:48 The future of 3D printing and personalized care in shoulder arthroplasty
- An engineer’s perspective Pressacco 
- A shoulder surgeon’s perspective Castagna 
- 09:56 Discussion

10:00-11:30

## Brunch Break, Exhibition, Brunch Symposia and Ultrasound Workshop



10:15-11:15

## Brunch Symposia

Brunch Symposium 1

What's your Plan? How a Decade of Innovation has Impacted Shoulder Arthroplasty

**stryker**

Brunch Symposium 2

Reveal the Potential – Spheroid Technology for Articular Cartilage Regeneration in the Shoulder

**ReLive** | **codon**  
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10:15-11:15

## Ultrasound Workshop\*



**Dirk Böhm**  | **Dorothea Böhm** 

\* A separate registration is required.








Session 3  
11:30-12:20

## Relieve Surgical Technique Videos and Round Table Discussion

### Latest Technologies in Shoulder Surgery



**Moroder**  | **Paladini** 

- 11:30 Tips and tricks for optimal humeral and glenoid exposure *L. Lafosse* 
- 11:36 Use of navigation to reduce complications in shoulder arthroplasty *Barco* 
- 11:42 MyImplant – Custom made technology *Lädemann* 
- 11:48 Implant innovation – The Identity shoulder system *Levine* 
- 11:54 Stemless reverse – Indications and how to avoid early failures *Patzer* 
- 12:00 Revision of humeral stem – Tips and Tricks *Boileau* 
- 12:06 Glenoid reconstruction using femoral head allograft *Warnhoff* 
- 12:12 Discussion

Session 4  
12:20-13:30

## Keynote Presentations

### How to Manage Complications in Shoulder Arthroplasty in 2025



Schoch | Verborgt

- |       |                                                                  |                |
|-------|------------------------------------------------------------------|----------------|
| 12:20 | Glenoid bony reconstruction after failed anatomical TSA          | Scheibel       |
| 12:28 | Metallic solution for severe glenoid bone deficiency             | Bale           |
| 12:36 | Management of proximal humeral bone loss                         | Franceschi     |
| 12:44 | Prevalence and management of complications after stemless RSA    | Alta           |
| 12:52 | Periprosthetic fractures after RSA – A new classification system | Sanchez-Sotelo |
| 13:00 | Hemi-Reverse – Do we really need this procedure for the future?  | Walch          |
| 13:08 | Acromial spine fracture – New aspects to be considered           | Maggini        |
| 13:16 | Periprosthetic infection – Update 2025                           | Akgün          |
| 13:24 | Discussion                                                       |                |

Session 5  
13:30-13:45

## Farewell & Winner Announcement (Berlin Quiz and Social Media Award)



Scheibel

13:30-14:00

## Shuttle to the Cadaver Workshop

14:00-17:00

## Cadaver Workshop\*

17:00

## End of Meeting

\* A separate registration is required.

The Berlin International Shoulder Course  
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### Exhibitor



## GENERAL INFORMATION

### Meeting Dates

April 23 – 26, 2025

### Venue

InterContinental Hotel Berlin  
Budapester Strasse 2  
10787 Berlin  
Germany

### Official Language

English, simultaneous translation will not be provided

### Scientific Coordinator

Prof. Dr. med. Markus Scheibel  
Schulthess Clinic Zürich, Switzerland  
Charité – Universitätsmedizin Berlin,  
Germany

### Organizer and Registration

Congress Compact 2C GmbH  
Gina Isemann  
Joachimsthaler Strasse 31-32  
10719 Berlin  
Germany  
Phone +49 30 88727370  
E-Mail [bisc@congress-compact.de](mailto:bisc@congress-compact.de)

### On-Site Registration and Badge Pick-up

Badge pick-up is scheduled to open on Wednesday, April 23, 2025 afternoon. Participants will be able to pay for their on-site registration in Euro by cash, EC card or by credit card (American Express, MasterCard and Visa). Registration will be open every day at the InterContinental Hotel Berlin during the following hours:

Wednesday, April 23, 2025	14:00-22:00
Thursday, April 24, 2025   Friday, April 25, 2025	07:00-19:00
Saturday, April 26, 2025	08:00-14:00

### Exhibition Area

Participants must be registered for the meeting in order to access to the exhibition area. The exhibition area will be open as follow:

Thursday, April 24, 2025   Friday, April 25, 2025	07:00-19:00
Saturday, April 26, 2025	08:00-14:00



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Information about our booth & Lunch symposium is coming soon



## Participation Fees | Berlin International Shoulder Course (April 23-26, 2025)

Participation   Pre-Course (April 23, 2025)	Early Bird until December 31, 2024	afterwards
Registration Fees	150 €*	175 €*

## Participation | Berlin International Shoulder Course (April 24-26, 2025)

Registration Fees	700 €*	900 €*
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## Participation | Ultrasound Workshop (April 26, 2025)

Registration Fees	150 €*	200 €*
-------------------	--------	--------

## Participation | Cadaver Workshop (April 26, 2025)

Registration Fees	500 €*	600 €*
-------------------	--------	--------

\* plus 19 % VAT

## WiFi Service

Free WiFi access will be available to the participants in all meeting rooms and public areas, including the exhibition area.

## Speakers Ready Room

Please bring a copy of your presentation to the speakers ready room a minimum of 2 hours in advance of your presentation. The Speakers ready room is located at Room Dahlem and will be open as follow:

Wednesday, April 23, 2025  
13:00-19:00

Thursday, April 24, 2025  
17:00-22:00

Friday, April 25, 2025  
07:00-19:00

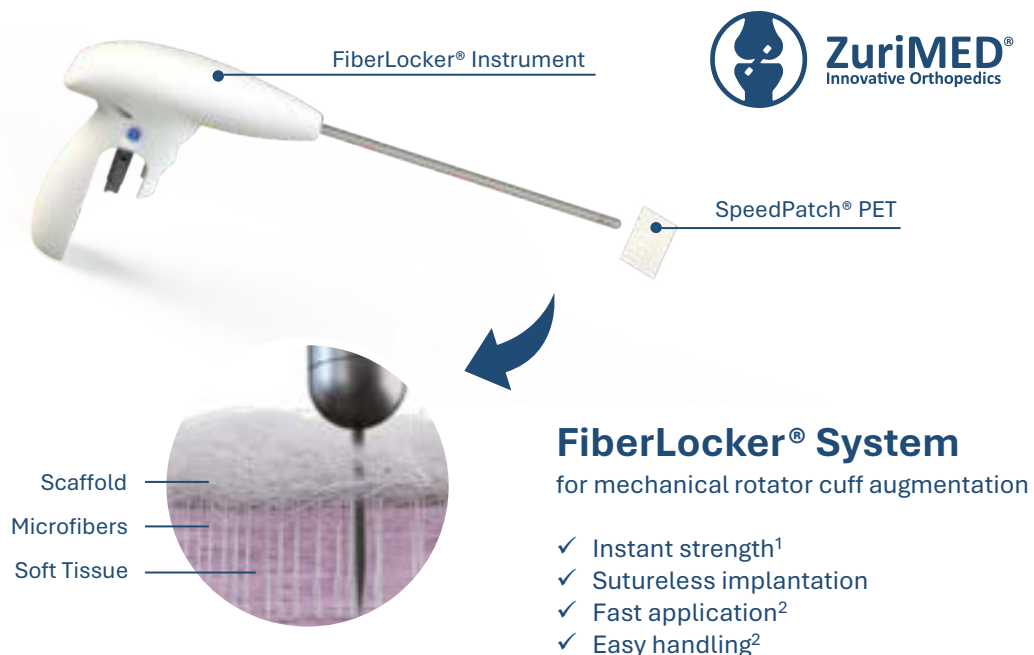
Saturday, April 26, 2025  
07:00-13:00

## Ethical Medtech Evaluation

The event was rated 'COMPLIANT' in all categories by Ethical MedTech Europe.

## Certification

The Certification of the event will be applied for from the Berlin Medical Association and the International Medical Association.



<sup>1</sup>Meyer et. al. (2023)  
<sup>2</sup>Internal test report



Accommodation	Single Room	Double Room
Room per night incl. breakfast	184 €	209 €

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**Access**

Airport BER	28 km
Main train station "Hauptbahnhof"	3 km
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FRIDAY  
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**SPEAKERS**

- Andrew M. Choo, MD, Houston, TX, USA
- Beat Moor, MD, Sion/Martigny, Switzerland
- Markus Scheibel, MD, Zurich, Switzerland/Berlin, Germany
- Christian Spross, MD, Zurich, Switzerland

**MODERATOR**

- Christian Gerber, MD, PhD, FRCS, Zurich, Switzerland



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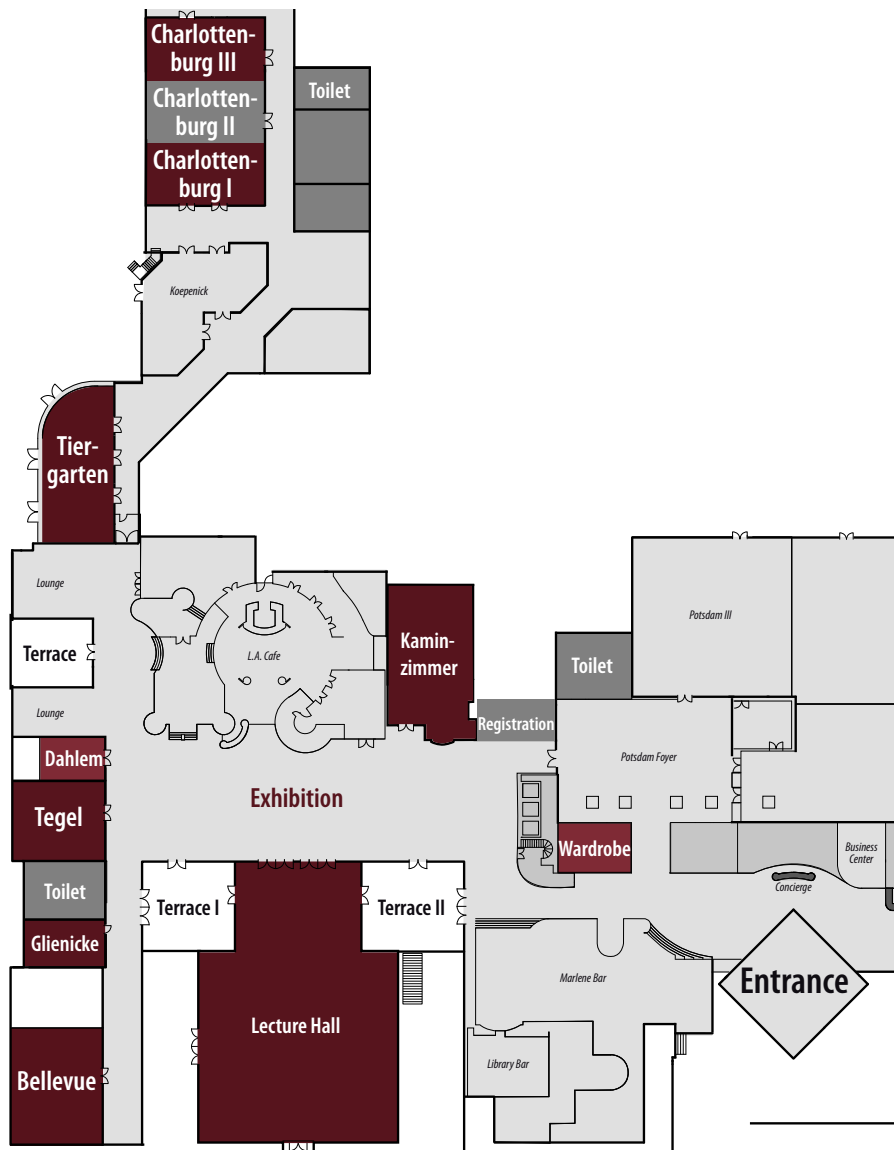


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Registration	until Dec 31, 2024	afterwards
<input type="checkbox"/> Pre-Course	150 €*	175 €*
<input type="checkbox"/> Participation Fee	700 €*	900 €*
<input type="checkbox"/> Cadaver Workshop	500 €*	600 €*
<input type="checkbox"/> Ultrasound Workshop	150 €*	200 €*

\* All prices plus 19% tax.

- I have read the terms of cancellation and accept them.
- Please inform me by E-Mail about future events (newsletter).

### Terms of cancellation

By a cancellation until January 6, 2025, a cancellation fee of 50 €\* will be retained. Until March 12, 2025, 50% of the total amount will be refunded. After that date or in case of no-show without cancellation, 100% will be charged. Cancellations require written form.

City, Date	Signature
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\* All prices plus 19% tax.



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# + Redefining biological healing



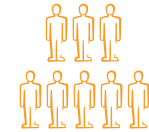
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References 1. Bokor DJ, et al. Muscles, Ligaments Tendons J 2015;5(3):144-150. 2. Smith+Nephew internal data. 3. Smith + Nephew 2019. Internal Report EO/SPM/REGENETEN/005/v1. 4. Hein J, Arthroscopy. 2015;31(11):2274-2281. 5. Ruiz Iban MA, et al. Preliminary Report. SEEC. 2022. 6. Bushnell BD, et al. JSES Int. 2021;5(2):228-237. 7. Thon SG, et al. Am J Sports Med. 2019;47(8):1901-1908. 8. McIntyre L, et al. Arthroscopy. 2019 35(8):2262-2271

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