

Reconstructive Shoulder Surgery – Shaping the Future



BERLIN

International Shoulder Course

2023

APRIL 13–15
BERLIN, GERMANY

PROGRAM

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Dear colleagues and friends,

Berlin International Shoulder Course (BISC) is back and it is a great pleasure to invite you to this fascinating journey of shaping the future in reconstructive shoulder surgery.



The next course will focus on modern arthroscopic and open reconstructive surgical techniques and will combine theoretical and practical elements providing plenty of space for exciting dialogues and discussions.

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

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.

Another highlight will be a transatlantic hybrid session in collaboration with the Shoulder360 Course in Miami. Renowned shoulder surgeons will present their own shoulder pathology that they have suffered as patients and provide insight how it feels to be on "the other side of the curtain".

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 13 – 15 2023.

Prof. Dr. med. Markus Scheibel

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TABLE OF CONTENTS



| | |
|----|---|
| 1 | Welcome address |
| 4 | Information International Scientific Committee, Local Organizing Committee |
| 5 | Faculty |
| 8 | Schedule |
| 12 | Scientific Program |
| 12 | Thursday, April 13, 2023 |
| 22 | Friday, April 14, 2023 |
| 30 | Saturday, April 15, 2023 |
| | Satellite Program |
| 33 | Live-Surgeries |
| 34 | Lunch & Brunch Symposia |
| 39 | Ultrasound Workshop |
| 41 | Sponsors and Exhibitors |
| 42 | General Information |
| 46 | Floor Plan |



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 George S. Athwal, Canada
 Emilio Calvo, Spain
 Alessandro Castagna, Italy
 Patrick Denard, USA
 Bernhard Jost, Switzerland
 Philipp Moroder, Switzerland
 Hiroyuki Sugaya, Japan
 Philippe Valenti, France

Local Organizing Committee

Rony-Orijit Dey Hazra, Germany
 Jan-Philipp Imiolczyk, Germany
 Agnes Mayr, Germany
 Alp Paksoy, Germany
 Katja Rüttershoff, Germany
 Kathi Thiele, Germany
 Mara Warnhoff, Germany
 Isabella Weiß, Germany

Patronage



Speaker



FACULTY

- | | | |
|---|---|---|
|  Christian Fialka  |  Mark Frankle  |  Florian Freisleder  |
|  Raffaele Garofalo  |  Grant Garrigues  |  Christian Gerber  |
|  Thomas Gregory  |  Alex Greene  |  Thorsten Gühring  |
|  Stefano Gumina  |  Abdul Ilah Hachem  |  Pol Huysmans  |
|  Miguel Ruiz Ibañ  |  Jan-Philipp Imiolczyk  |  Steffen Jehmlich  |
|  Kristofer J. Jones  |  Bernhard Jost  |  Matthew Kent  |
|  Jörn Kircher  |  Alexandre Lädermann  |  Laurent Lafosse  |
|  Thibault Lafosse  |  Philippe Landreau  |  Osvandre Lech  |
|  Olaf Lorbach  |  Bartłomiej Lubiowski  |  Przemyslaw Lubiowski  |
|  Agnes Mayr  |  Raffy Mirzayan  |  Fabrizio Moro  |

FACULTY

- | | | |
|---|---|--|
|  Philipp Moroder  |  Lars-Peter Müller  |  Lionel Neyton  |
|  Alp Paksoy  |  Paolo Paladini  |  Thilo Patzer  |
|  Falk Reuther  |  Anthony R. Romeo  |  Claudio Rosso  |
|  Katja Rüttershoff  |  Joaquin Sanchez-Sotelo  |  Alex Schallberger  |
|  Markus Scheibel  |  Paul Sethi  |  Hiroyuki Sugaya  |
|  Mark Tauber  |  Kathi Thiele  |  Thomas Throckmorton  |
|  Scott W. Trenhaile  |  Philippe Valenti  |  Olivier Verborgt  |
|  Arasch Wafaisade  |  Mara Warnhoff  |  Kilian Wegmann  |
|  Isabella Weiß  |  Jean-David Werthel  |  Karl Wieser  |
|  Matthias A. Zumstein  | | |

- 07:00 - 07:45
- 07:45 - 08:00
- 08:00 - 09:00
- 09:00 - 09:20
- 09:20 - 10:20
- 10:20 - 10:40
- 10:40 - 11:20
- 11:20 - 12:00
- 12:00 - 13:30
- 13:30 - 14:30
- 14:30 - 15:00
- 15:00 - 16:00
- 16:00 - 16:30
- 16:30 - 16:45
- 16:45 - 17:10
- 17:10 - 17:30
- 17:30 - 18:30
- 19:30 - 20:30

| |
|---|
| Registration |
| Welcome |
| Key Note Presentations Page 12 Anterior Shoulder Instability – Where are we in 2023? |
| Invited Special Guest Lecture |
| Live Surgery Superior Capsular Reconstruction using Long Head of Biceps Tendon |
| Coffee Break and Exhibition |
| Relive Surgical Technique Videos Innovative Techniques for the Treatment of Anterior Shoulder Instability |
| Statements and Round Table Discussion Posterior Shoulder Instability – Can we avoid Posterior Static Instability? |
| Lunch Break, Exhibition and Lunch Symposia |
| Interactive Mini Battles Controversial Topics – Audience please vote! |
| Relive Surgical Technique Videos Innovative Techniques for the Treatment of Shoulder Instability |
| Live-Surgery Management of Acromioclavicular Joint Instability using Knotless AC TightRope |
| Coffee Break and Exhibition |
| Host Lecture |
| Relive Surgical Technique Videos Innovative Techniques for the Treatment of AC Instability |
| History of BISC and Invited Special Guest Lecture |
| Key Note Presentation Page 20 Let's talk about Complications! |
| End of the First Day and Welcome Reception |
| Meet the Experts stryker Overcoming Disasters – case discussions |

Pre-Registration available
Please use our Pre-Registration on Wednesday April 12, 2023 from 5 to 10 pm

| LUNCH SYMPOSIA | |
|--|---|
| Lunch Symposium 1 Metal Augment vs BIO-RSA | ROOM TEGEL stryker |
| Lunch Symposium 2 OSTEOCONNECT techniques for shoulder instability | ROOM TIERGARTEN SmithNephew |
| Lunch Symposium 3 Cutting Edge of Suture Technology | ROOM BELLEVUE Arthrex |
| Lunch Symposium 4 The Future of Shoulder Arthroscopy | ROOM KAMINZIMMER ZIMMER BIOMET Moving You Forward |
| Lunch Symposium 5 Strategies and Challenges in the Treatment of Complex Shoulder Pathologies | ROOM CHARLOTTENBURG I STORZ KARL STORZ – ENDOSCOPE |
| Lunch Symposium 6 How to reproduce an e-ORTHO digital template in the OR in every situation? | ROOM CHARLOTTENBURG II FH ORTHO |

| LUNCH SYMPOSIA | |
|---|--|
| Lunch Symposium 7 Digital Innovation – 3D pre-operative planning workshop | ROOM BELLEVUE stryker |
| Lunch Symposium 8 The Power of Biological Healing in Rotator Cuff | ROOM TEGEL SmithNephew |
| Lunch Symposium 9 Cutting Edge of Shoulder Arthroplasty | ROOM TIERGARTEN Arthrex |
| Lunch Symposium 10 Evolution to rTSA success | ROOM KAMINZIMMER MATHYS a company of enovis |
| Lunch Symposium 11 Transforming shoulder surgery with HOLO: Build your augmented OR | ROOM CHARLOTTENBURG I RSQ |
| Lunch Symposium 12 Different Solutions for Massive Cuff Tears | ROOM CHARLOTTENBURG I CONMED |

| |
|---|
| Registration |
| Key Note Presentations Page 22 State of the Art in Rotator Cuff Reconstruction |
| Invited Special Guest Lecture |
| Live-Surgery Arthroscopic Rotator Cuff Repair biologically augmented |
| Coffee Break and Exhibition |
| Relive Surgical Technique Videos Innovative Techniques for the Treatment of Rotator Cuff Pathology |
| Statements and Round Table Discussion Rotator Cuff Augmentation in 2023 – What is the out there and what can we expect? |
| Lunch Break, Exhibition and Lunch Symposia |
| Interactive Mini Battles Controversial topics – Audience please vote! |
| Live-Surgery Reverse Shoulder Arthroplasty (Perform Humeral & Perform Reverse) for Massive Rotator Cuff Tears |
| Coffee Break and Exhibition |
| Relive Surgical Technique Videos Latest Technologies in Shoulder Surgery |
| Invited Special Guest Lecture and Live Demonstration |
| Transatlantic Hybrid Session - BISC meets Miami 360° |
| End of the Second Day |

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

- 08:00 - 09:00
- 09:00 - 10:00
- 10:00 - 10:10
- 10:10 - 11:30
- 11:30 - 12:45
- 12:45 - 14:00
- 14:00 - 14:15
- 14:15 - 15:00
- 15:00 - 18:00

| | |
|--|---------|
| Registration | |
| Key Note Presentations Shaping the Future in Treatment of Complex Proximal Humeral Fractures | Page 30 |
| reconskills meets BISC – Live-Surgeries on Pre-fractured Specimen | |
| Announcement of the Social Media Winner | |
| Coffee Break, Exhibition, Brunch Symposia Ultrasound-Workshop | |
| Key Note Presentations Shaping the Future in Anatomical Shoulder Arthroplasty | Page 31 |
| Key Note Presentations Shaping the Future in Reverse Shoulder Arthroplasty | Page 32 |
| Closing lecture | |
| Coffee Break and Shuttle to the Cadaver-Workshop | |
| Cadaver Workshop | |
| End of the Meeting | |

| | |
|---|---|
| BRUNCH SYMPOSIA | |
| Brunch Symposium 1 Blueprint Planning Workshop – Primary and Revision Shoulder Arthroplasty | ROOM TIERGARTEN stryker |
| Brunch Symposium 2 Advanced Solutions in Shoulder Arthroplasty | ROOM KAMINZIMMER Medacta International |
| Brunch Symposium 3 Smarter Decision Making for Better Outcomes | ROOM TEGEL ZIMMER BIOMET Moving You Forward™ |
| Brunch Symposium 4 The Future Meets the Present: How Smart Solutions Can Improve Shoulder Surgery | ROOM CHARLOTTENBURG I exactech |
| Brunch Symposium 5 tba | ROOM CHARLOTTENBURG II + acumed |
| ULTRASOUND WORKSHOP | |
| Ultrasound Workshop | ROOM BELLEVUE FUJIFILM SonoSite |



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07:45-08:00

Welcome



Scheibel

Session 1
08:00-09:00

Key Note Presentations

Anterior Shoulder Instability – Where are we in 2023?

ROOM PAVILLON



Athwal | Castagna

- 08:00 Management of the first-time anterior shoulder dislocation in 2023
- 08:10 How I improve my results of Bankart repairs in recurrent instability
- 08:20 Bristow-Latarjet – Why I moved away from screws!
- 08:30 Arthroscopic bone block procedure 3.0 – Mission accomplished?
- 08:40 Managing instability in collision athletes – A different game
- 08:50 Does the brain heal after shoulder stabilization?

Lech

Denard

Boileau

Scheibel

Delaney

Lädemann

Session 2
09:00-09:20

Invited Special Guest Lecture



Scheibel

ROOM PAVILLON

- 09:00 Management of anterior shoulder instability and rotator cuff tears

Calvo

Live-Surgery
09:20-10:20

Live-Surgery

Superior Capsular Reconstruction using Long Head of Biceps Tendon

ROOM PAVILLON



Collin | Domos



Barth

Case presentation

Weiß

10:20-10:40

Coffee Break and Exhibition

Session 3
10:40-11:20

Relive Surgical Technique Videos

Innovative Techniques for the Treatment of Anterior Shoulder Instability

ROOM PAVILLON



Calvo | Lafosse

- 10:40 Tensionable knotless Bankart repair and Remplissage using soft-anchors Denard
- 10:45 Instability repair with double-loaded all-suture anchors Castagna
- 10:50 Independent double-row reconstruction in glenoid fractures Akgün
- 10:55 Arthroscopic bone block using button fixation Lorbach
- 11:00 All-anterior approach for glenoid reconstruction using a free bone graft Ameziame
- 11:05 Discussion

Session 4
11:20-12:00

Statements and Round Table Discussion

ROOM PAVILLON

Static Posterior Shoulder Instability –
Where does it come from and how can we treat it?



Lubiatowski 🇵🇱 | Moroder 🇨🇭

- | | | |
|-------|--|-------------|
| 11:20 | The glenoid is too far anterior! Let's augment it. | Akgün 🇩🇪 |
| 11:25 | The humerus has too much antetorsion – Can we do something about it? | Athwal 🇨🇦 |
| 11:30 | The muscles are unbalanced – We should correct that | Domos 🇬🇧 |
| 11:35 | The problem is created during birth! Should we screen our patients? | Lädemann 🇨🇭 |
| 11:40 | It's the acromion's fault – My solution | Gerber 🇨🇭 |
| 11:45 | It's multifactorial and so needs to be the treatment | Moroder 🇨🇭 |
| 11:50 | Round Table Discussion | |

12:00-13:30

Lunch Break and Exhibition

SOCIAL MEDIA AWARD

COMPETITION TIME!

Post a picture of #BISC2023 and have the chance to win a free registration to the next Berlin International Shoulder Course.

Rules:

1. Post a picture during the congress on the following networks     
2. Use the hashtag #BISC2023
3. Collect as much likes and shares as possible!

The winner with the most likes under #BISC2023 will be awarded Saturday at 10:00 a.m.

12:15-13:15

Lunch Symposia

Lunch
Symposium 1

Innovative Surgical Strategies for Rotator Cuff Surgery in 2023

stryker

Lunch
Symposium 2

OSTEOCONNECT techniques for shoulder instability

Smith+Nephew

Lunch
Symposium 3

Cutting Edge of Suture Technology

Arthrex

Lunch
Symposium 4

The Future of Shoulder Arthroscopy

ZIMMER BIOMET
Moving You Forward.™

Lunch
Symposium 5

Strategies and Challenges in the Treatment of Complex Shoulder Pathologies

STORZ
KARL STORZ – ENDOSKOPE

Lunch
Symposium 6

How to reproduce an e-ORTHO digital template in the OR in every situation?

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Session 5
13:30-14:30

Interactive Mini-Battles

ROOM PAVILLON

Controversial Topics – Audience please vote!



Lädemann  | Lech 

13:30-13:50 On-track/off-track concept for the decision-making process in anterior instability

13:30 I use it regularly and it improves my results

Calvo 

13:35 I measure it, but only treat the glenoid side

Verborgt 

13:40 I have heard about it, but I don't care

Jost 



Discussion and now please vote!

13:50-14:10 Minimal glenoid bone loss with or without hyperlaxity – What's the best approach?

13:50 Bankart-Plus works best for me

Moroder 

13:55 DAS is between Bankart repair and bony reconstruction

Collin 

14:00 Inferior ligament reconstruction using autograft

Zumstein 



Discussion and now please vote!

14:10-14:30 Allograft or autograft for anterior glenoid reconstruction with bone deficiency

14:10 Only autografts do work. Allografts vanish...

E. Böhm 

14:15 Distal tibial allograft is the way to go

Garrigues 

14:20 The literature is controversial

Werthel 



Discussion and now please vote!

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Session 6
14:30-15:00





Relive Surgical Technique Videos

ROOM PAVILLON

Innovative Techniques for the Treatment of Shoulder Instability



Delaney  | Paladini 

- 14:30 Latarjet/Walch technique – Open and successful Neyton 
- 14:35 Open Latarjet using Buttons Landreau 
- 14:40 Arthroscopic Latarjet with cerclage fixation Barco 
- 14:45 Arthroscopic posterior bone block using the bone cerclage technique Hachem 
- 14:50 Discussion

Live-Surgery
15:00-16:00

Live-Surgery

ROOM PAVILLON

Management of Acromioclavicular Joint Instability using Knotless AC TightRope



Fialka  | Moroder 



Beitzel 

Case presentation Mayr 

16:00-16:30 Coffee Break and Exhibition


Session 7
16:30-16:45

Host Lecture

ROOM PAVILLON



Hachem  | Zumstein 

- 16:30 AC-Joint Instability – Knowing what we know and what we don't! Scheibel 

Session 8
16:45-17:10





Relive Surgical Technique Videos

ROOM PAVILLON

Innovative Techniques for the Treatment of AC Instability



Akgün  | Jost 

- 16:45 Mixed reality for AC dislocations and lateral clavicle fractures Lubiatowski 
- 16:50 The Kite technique for acute acromioclavicular joint dislocation Campagna 
- 16:55 Arthroscopic modified Weaver-Dunn procedure Boileau 
- 17:00 Arthroscopically-assisted hybrid reconstruction of AC instability Scheibel 
- 17:05 Discussion

Session 9
17:10-17:30

History of BISC and Invited Special Guest Lecture



Scheibel

ROOM PAVILLON

- 17:10 Why are we here? *Scheibel*
- 17:20 What are the challenges in 2023 in patients with shoulder instability? *Valenti*

Session 10
17:30-18:30

Key Note Presentations



Let's talk about Complications!

ROOM PAVILLON

Boileau | Scheibel

- 17:30 Reasons for failed Bankart repairs – Only a problem of indications? *Athwal*
- 17:40 How I deal with large Hill-Sachs defects during revision surgery *Sugaya*
- 17:50 Revision after free bone block procedures – Does it exist? *Fialka*
- 18:00 Failed Latarjet – It is more common than you would think! *Paladini*
- 18:10 Nerve transfers around the shoulder after iatrogenic injury *Lafosse*
- 18:20 How I deal with my failures in AC reconstruction *Barth*

18:30 End of First Day and Welcome Reception

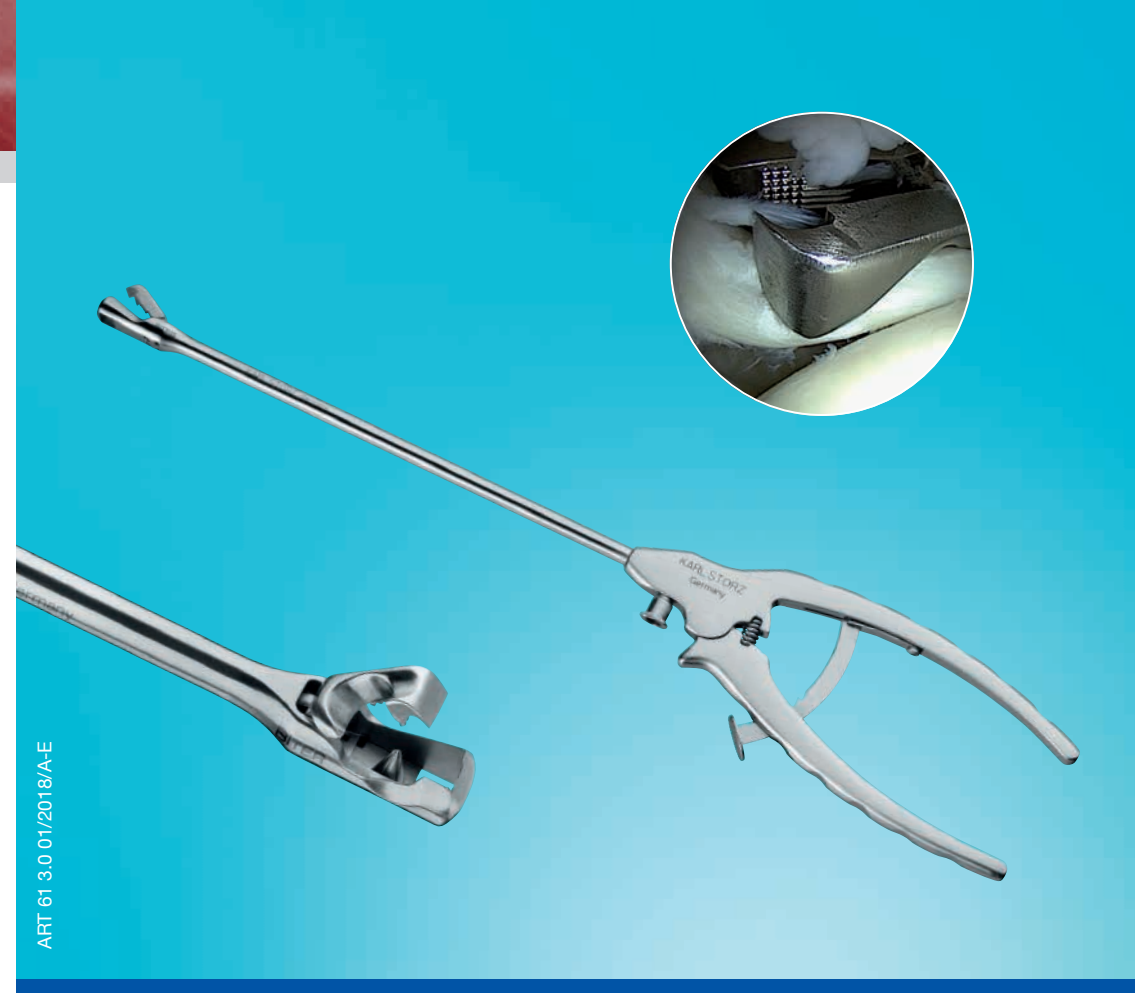
19:30 Meet the Experts



Overcoming Disasters – case discussions

Athwal | Boileau

stryker



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KARL STORZ – ENDOSKOPE
THE DIAMOND STANDARD

Session 1
08:00-09:00

Key Note Presentations

ROOM PAVILLON

State of the Art in Rotator Cuff Reconstruction



Barco | **Denard**

- 08:00 Natural history of rotator cuff tendon tears – What is proven? *Wieser*
- 08:10 Latest strategies on preoperative planning for rotator cuff repairs *Werthel*
- 08:20 Arthroscopic cuff repair – Patient reported outcome and quality of life *Castagna*
- 08:30 When and why my rotator cuff repairs fail? *Gumina*
- 08:40 Strategies to optimize cuff healing *Scheibel*
- 08:50 New aspects in rehabilitation of cuff repairs? *Beitzel*

Session 2
09:00-09:20

Invited Special Guest Lecture

ROOM PAVILLON



Scheibel

- 09:00 What is the future of rotator cuff surgery? *Gerber*
- 09:10 Cutibacterium acnes infection in shoulder surgery – Why do we need new guidelines? *Castagna*

Live-Surgery
09:20-10:20

Live-Surgery

Arthroscopic Rotator Cuff Repair biologically augmented



Huysmans | **Scheibel** | **Lafosse**

Case presentation *Imiolczyk*

10:20-10:40

Coffee Break and Exhibition

Session 3
10:40-11:20

Relive Surgical Technique Videos

ROOM PAVILLON

Innovative Techniques for the Treatment of Rotator Cuff Pathology



Elhassan | **Wieser**

- 10:40 Biceps tenotomy using the BITER (Biceps Tendon Releaser) *Scheibel*
- 10:45 Transosseous rotator cuff repair *Huysmans*
- 10:50 How to do a perfect realize and subscapularis repair *Calvo*
- 10:55 Arthroscopic rotator cuff repair – Current technique *Kircher*
- 11:00 Rotator cuff repair protected with subacromial Balloon Spacer *Garofalo*
- 11:05 In Space Balloon for irreparable massive rotator cuff tears *Agneskirchner*
- 11:10 Discussion

Session 4
11:20-12:00

Statements and Round Table Discussion

ROOM PAVILLON

Rotator Cuff Augmentation in 2023 –
What is the out there and what can we expect?



Beitzel | Neyton

- | | | |
|-------|---|----------|
| 11:20 | Regeneten is my favorite type of graft | Calvo |
| 11:25 | The biceps smash is the way to go | Endell |
| 11:30 | I use a synthetic patch to improve my healing rates | Zumstein |
| 11:35 | Bursal augmentation has the greatest potential | Thiele |
| 11:40 | Next generation of patches | Wieser |
| 11:45 | Round Table Discussion | |

12:00-13:30

Lunch Break and Exhibition

12:15-13:15

Lunch Symposia

Lunch Symposium 7

Reversed Glenoid: Bio-RSA vs Metal Augmentation
Using Blueprint 3D Planning

Lunch Symposium 8

The Power of Biological Healing in Rotator Cuff

Lunch Symposium 9

Cutting Edge of Shoulder Arthroplasty

Lunch Symposium 10

Evolution to rTSA success

Lunch Symposium 11

Transforming shoulder surgery with HOLO:
Build your augmented OR

Lunch Symposium 12

Different Solutions for Massive Cuff Tears

Session 5
13:30-14:30

Interactive Mini-Battles

ROOM PAVILLON

Controversial topics – Audience please vote!



Kircher | Werthel

13:30-13:50 Balloon vs Superior capsular reconstruction – What is the truth behind?

- | | | |
|-------|---|----------------|
| 13:30 | Subacromial spacer – Quick, safe and efficient | Sanchez-Sotelo |
| 13:35 | Superior capsular reconstruction has worked well in Japan | Sugaya |
| 13:40 | My patients get an anterior cable reconstruction | Denard |
| | Discussion and now please vote! | |

13:50-14:10 Irreparable posterolateral cuff tears – The best procedure to improve active external rotation

- | | | |
|-------|---|---------|
| 13:50 | Latissimus dorsi transfer has been proven to work | Wieser |
| 13:55 | Lower trapezius transfer works much better | Valenti |
| 14:00 | Only a lateralized reverse arthroplasty will do the job | Brunner |
| | Discussion and now please vote! | |

14:10-14:30 Which tendon transfer should we use for irreparable anterosuperior cuff tears

- | | | |
|-------|--|----------|
| 14:10 | Pectoralis major transfer stood the test of time | Jost |
| 14:15 | Latissimus dorsi transfer is superior | Elhassan |
| 14:20 | I still use the pectoralis minor | Paladini |
| | Discussion and now please vote! | |

Live-Surgery
14:30-15:30

Live-Surgery

Reverse Shoulder Arthroplasty (Perform Humeral & Perform Reverse) for Massive Rotator Cuff Tears

ROOM PAVILLON



Demirhan | Sanchez-Sotelo



Scheibel

Case presentation

Rüttershoff

15:30-16:00

Coffee Break and Exhibition

Session 6
16:00-16:30

Relive Surgical Technique Videos

Latest Technologies in Shoulder Surgery

ROOM PAVILLON



Agneskirchner | Sugaya

16:00 Subscapularis repair during RSA – Tips and tricks

Lädemann

16:05 3D planning of an augmented base plate

Verborgt

16:10 Rediscovering shoulder arthroplasty – Exactech GPS navigation

Barco

16:15 How to use mixed reality for shoulder arthroplasty

Collin

16:20 Blueprint planning for complex humeral cement-in-cement revision

Athwal

16:25 Discussion



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Friday, April 14 2023
12:15 – 13:15

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success

A TRANSATLANTIC CROSS OVER EVENT YOU DON'T WANT TO MISS

Friday sessions from the Shoulder360 Course (Miami) & International Shoulder Course (Berlin) will be broadcasted live for attendees at both courses and giving them the opportunity to learn from the best from around the world! Registration to one of the meetings is required.



Prof. Markus Scheibel
Chairman
Berlin International Shoulder Course



Joseph Abboud, MD
Co -Chair
Shoulder360 Course



Raffy Mirzayan, MD
Co -Chair
Shoulder360 Course



Paul Sethi, MD
Co -Chair
Shoulder360 Course

SESSIONS THAT WILL BE LIVE STREAMED ON FRIDAY, APRIL 14, 2023

SESSION 1

Shoulder Surgeons Who Have Had Shoulder Surgery

SESSION 2 - DEBATE

American versus European Perspectives on

- Use of bone blocks for shoulder instability
- Evolving role of stemless reverse
- Outpatient shoulder surgery European and American Experience



April 13-15, 2023
Miami, FL
www.shoulder360.org



April 13-15, 2023
Berlin, Germany
www.berlin-shoulder-course.com

Session 7
16:30-17:00

Invited Special Guest Lecture and Live Demonstration



Scheibel

ROOM PAVILLON

Scapulothoracic disorders – What is out there and what do you need to know?

Demirhan
Elhassan

Hybrid Session
17:00-18:30

Transatlantic Hybrid Session BISC meets Shoulder360

17:00-17:45

Shoulder Surgeons who have had Shoulder Surgery

ROOM PAVILLON



Mirzayan | Scheibel

BERLIN
International Shoulder Course



Agneskirchner | Boileau | Abboud | Frankle
Castagna | Delaney | Jones | Lafosse
Gerber | Zumstein | Romeo

17:45-18:30

Debates – American vs. European Perspectives



Scheibel | Sethi

17:45 Stemless Reverse – Pro

Rosso

17:50 Stemless Reverse – Con

Frankle

18:00 Outpatient Arthroplasty – It's a money maker!

Throckmorton

18:05 Inpatient Arthroplasty – It's a money maker!

Gühring

18:15 Anterior Instability with bone loss – Free bone block

Moroder

18:20 Anterior Instability with bone loss – Latarjet

Edwards

18:30

End of the Second Day

Session 1
08:00-09:00

Key Note Presentations

ROOM PAVILLON

Shaping the Future in Treatment of Complex Proximal Humeral Fractures



Brunner | Valenti

- | | | |
|-------|---|-------------|
| 08:00 | 3D guidance for complex proximal humeral fractures | Lubiatowski |
| 08:10 | Complex proximal humeral fractures – Why I nail it? | Boileau |
| 08:20 | Why we prefer plating of complex fractures? | Scheibel |
| 08:30 | My algorithm tells me, when ORIF is not a good indication | Jost |
| 08:40 | Reverse shoulder arthroplasty for fractures – What is the best inclination angle? | Damos |
| 08:50 | How to manage complications after complex proximal humeral fracture treatment | Moro |

Session 2
09:00-10:00

reconskills meets BISC

reconskills

Live-Surgeries on Pre-Fractured Specimen

ROOM PAVILLON



Jost | Müller | Wegmann

- | | | |
|-------|--|--------------------------|
| 09:00 | Introduction | Müller |
| 09:10 | ORIF of proximal humeral fracture – plate osteosynthesis | Schallberger Zumstein |
| 09:30 | Reverse arthroplasty for proximal humeral fractures | Gühring |

Award
10:00-10:10

Announcement of the Social Media Winner

ROOM PAVILLON

Coffee Break and Exhibition

10:10-11:30

30

10:15-11:15

Brunch Symposia

Brunch Symposium 1

Blueprint Planning Workshop – Primary and Revision Shoulder Arthroplasty

stryker

Brunch Symposium 2

Advanced Solutions in Shoulder Arthroplasty

edacta International

Brunch Symposium 3

Smarter Decision Making for Better Outcomes

ZIMMER BIOMET
Moving You Forward.

Brunch Symposium 4

The Future Meets the Present: How Smart Solutions Can Improve Shoulder Surgery

exactech

Brunch Symposium 5

tbd

acumed

10:15-11:15

Ultrasound Workshop

ROOM BELLEVUE

Session 3
11:30-12:45

Key Note Presentations

Shaping the Future in Anatomical Shoulder Arthroplasty

ROOM PAVILLON



Barth | Gumina

- | | | |
|-------|---|-----------|
| 11:30 | What the surgeon needs to know from pre-op planning software | Zumstein |
| 11:40 | Influencing soft-tissue factors on outcome of total shoulder arthroplasty | Verborgt |
| 11:50 | Subscapularis management in the context of stemless shoulder arthroplasty | Tauber |
| 12:00 | Short-stem-implants – Challenges and opportunities | Neyton |
| 12:10 | The best material for the humeral head and glenoid component | Reuther |
| 12:20 | Augmented glenoid components – Are we getting better? | Athwal |
| 12:30 | Outpatient total shoulder arthroplasty | Garrigues |

31

Session 4
12:45-14:00

Key Note Presentations

ROOM PAVILLON

Shaping the Future in Reverse Shoulder Arthroplasty



Garrigues | Verborgt

- 12:45 Decision-making process – Which implant should we use in 2023? *Lech*
- 12:55 Pre-op planning, PSI guides and mixed reality *Delaney*
- 13:05 Reverse arthroplasty for primary osteoarthritis and cuff tear arthropathy – Which results can we expect? *Freisleder*
- 13:15 What is the best indication for reverse arthroplasty and tendon transfer? *Valenti*
- 13:25 Fracture sequelea and reverse shoulder arthroplasty – Where are the challenges? *Sanchez-Sotelo*
- 13:35 Soft-tissue management following massive humeral bone loss *Kent*
- 13:45 Why it is important to think outside the box in reverse shoulder arthroplasty? *Moroder*

Session 5
14:00-14:15

Closing lecture

ROOM PAVILLON



Scheibel

- 14:00 Diagnosis and management of periprosthetic joint infection *Garrigues*

14:15-15:00

Coffee Break and Shuttle to the Cadaver-Workshop

15:00-18:00

Cadaver workshop

18:00

End of Meeting

Live-Surgeries

Thursday | April 13, 2023

ROOM PAVILLON

09:20-10:20 Superior Capsular Reconstruction using Long Head of Biceps Tendon



Collin | Domos



Barth

Case presentation

Weiß

15:00-16:00 Management of Aromioclavicular Joint Instability using Knotless AC TightRope



Fialka | Moroder



Beitzel

Case presentation

Mayr

Live-Surgeries

Friday | April 14, 2023

ROOM PAVILLON

09:20-10:20 Arthroscopic Rotator Cuff Repair biologically augmented



Huysmans | Scheibel



Lafosse

Case presentation

Imiolczyk

14:30-15:30 Reverse Shoulder Arthroplasty (Perform Humeral & Perform Reverse) for Massive Rotator Cuff Tears



Demirhan | Sanchez-Sotelo



Scheibel

Case presentation

Rüttershoff

Lunch Symposia

Thursday | April 13, 2023

Lunch Symposium 1



Innovative Surgical Strategies for Rotator Cuff Surgery in 2023

April 13, 2023, 12:15-13:15, Room Tegel

Freislederer | Sanchez-Sotelo | Scheibel

stryker

Lunch Symposium 2



Instability excellence, OSTEOCONNECT techniques

April 13, 2023, 12:15-13:15, Room Tiergarten

Boileau

SmithNephew

Open Latarjet with OSTEOCONNECT Technique

Landreau

Arthroscopic Bone Block with OSTEOCONNECT Technique

Wafaisade

Arthroscopic Latarjet with OSTEOCONNECT Technique

Lubiatowski

Lunch Symposium 3



Cutting Edge of Suture Technology

April 13, 2023, 12:15-13:15, Room Bellevue

Denard

Arthrex

Benefits of Knotless Tensionable Repairs in Shoulder Instability

Moroder

Back on Track with Remplissage using Knotless FiberTak®

Denard

How to Tailor My Cuff Repairs to My Patient's Need

Beitzel

FiberTape® Cerclage Upper Extremity Applications

Hachem

Lunch Symposium 4



The Future of Shoulder Arthroscopy

April 13, 2023, 12:15-13:15, Room Kaminzimmer

Gühring | Zumstein

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Moving You Forward™

Tricera™ by Relign: Gaining efficiency and versatility through integration

Gühring

ArthroVims: Advanced visualisation combined with a live broadcast opportunity

Zumstein

Lunch Symposium 5



Strategies and Challenges in the treatment of complex shoulder pathologies

April 13, 2023, 12:15-13:15, Room Charlottenburg I

Jehmlich | Wieser

STORZ
KARL STORZ—ENDOSKOPE

Joint preserving therapeutic options in irreparable RC tears

Wieser

Surgical Treatment of Anterior Instability - Indication, Options, Evidence

Jehmlich

Lunch Symposium 6



How to reproduce an e-ORTHO digital template in the OR in every situation?

April 13, 2023, 12:15-13:15, Room Charlottenburg II

Valenti

GROUP FH ORTHO

Pre op Planification – Why and how to plan ?

RSA case

Lunch Symposia

Friday | April 14, 2023

Lunch Symposium 7



Metal Augment vs BIO-RSA
April 14, 2023, 12:15-13:15, Room Bellevue

stryker

Boileau | **Scheibel**

Intro

Why I plan and prefer metal augmentation for most of my cases

Scheibel

Why I plan and prefer BIO-RSA for most of my cases

Boileau

Discussion

Questions

Lunch Symposium 8



The Power of Biological Healing in Rotator Cuff
April 14, 2023, 12:15-13:15, Room Tegel

Smith+Nephew

Calvo

Challenges in RC healing and what we can use to maximise healing

Calvo

Clinical case discussion and tips and tricks

Lafosse

Clinical evidence + discussion

Ibán

Lunch Symposium 9



Cutting Edge of Shoulder Arthroplasty
April 14, 2023, 12:15-13:15, Room Tiergarten



Denard

Considering patient posture in planning humeral resection and component placement

Moroder

Planning & Augmenting the difficult glenoid using VIP in Reverse TSA

Denard

Restoring the tuberosities anatomically with a stemmed based repair technique in 4-part PHF's

Beitzel

Humeral Considerations given in revision shoulder arthroplasty

Lichtenberg

Lunch Symposium 10



Evolution to rTSA success
April 14, 2023, 12:15-13:15, Room Kaminzimmer



Collin

From Gramont design to Frankle design

Collin

The most studied reverse design

Garrigues

Inverted Bearing rTSA. Fewer complications and improved outcomes in long term?

Reuther

What will be the future direction for rTSA?

Lädemann

Lunch Symposium 11

Transforming shoulder surgery with HOLO: Build your augmented OR
 April 14, 2023, 12:15-13:15, Room Charlottenburg II



Greene

- "Medical Metaverse" and mixed reality
- Healthcare from the future: RSQHolo
- Mixed reality and navigation in shoulder arthroplasty
- So much support from RSQHolo: Clinical cases
- Live demonstration
- Discussion
- Try RSQHolo with us

Gregory

B. Lubiowski

Trenhaile

P. Lubiowski

P. Lubiowski

Lunch Symposium 12

Different Solutions for Massive Cuff Tears
 April 14, 2023, 12:15-13:15, Room Charlottenburg I



Barco | **Castagna** | **Verbort**

- Massive RC tears: definition and treatment options
- Arthroscopically-assisted lat dorsi transfer: indications and technique
- Lower trap transfer, partial repair

Castagna

Verbort

Barco

Brunch Symposia

Saturday | April 15, 2023

Brunch Symposium 1

Digital Innovation – 3D pre-operative planning workshop



April 15, 2023, 10:15-11:15, Room Tiergarten



Athwal | **Delaney** | **Neyton** | **Sanchez-Sotelo**

- Intro to 3D pre-operative planning
- LIVE case planning using BLUEPRINT pre-operative planning software

Brunch Symposium 2

Advanced Solutions in Shoulder Arthroplasty



April 15, 2023, 10:15-11:15, Room Kaminzimmer



Zumstein

- Why is it important to plan shoulder replacement?
- How to execute the 3D plan in the OR?
- NextAR Shoulder re-live surgery
- Early results using NextAR technology
- Q&A – Discussion

B. Jost

D. Akgün

A. Lädemann

M. Zumstein

Brunch Symposium 3

Smarter Decision Making for Better Outcomes



April 15, 2023, 10:15-11:15, Room Tegel



Ascani | **Gühring** | **Verbort**

- Data driven insights using Signature One Planner™
- Contemporary measures of glenoid inclination (TSA vs RSA)
- Glenoid management using Augmented base plates

Verbort

Ascani

Gühring

Brunch Symposium 4

The Future Meets the Present: How Smart Solutions Can Improve Shoulder Surgery

April 15, 2023, 10:15-11:15, Room Charlottenburg I



Tauber

Advantages of TSA Pre-Planning Using the Equinoxe® Planning App

Barco

GPS Navigation: You Don't Know What You Don't See

Drumm

Predict+ : Machine Learning in Orthopaedics

Kent

Re-Live Surgery: Navigated TSA with the Stemless Shoulder

Tauber

Disasterplasty: How GPS Can Help Turn Your Nightmare Into a Standard Case

All Panel

Brunch Symposium 5

tbd

April 15, 2023, 10:15-11:15, Room Charlottenburg II



Ultrasound Workshop

Saturday | April 15, 2023

UW 1

Ultrasound Workshop

April 15, 2023, 10:15-11:15, Room Bellevue

FUJIFILM
Value from Innovation

SonoSite



Dirk Böhm | **Dorota Böhm** | **Dey Hazra** | **Freislederer**

Cadaver workshop

Saturday | April 15, 2023

Cadaver workshop

April 15, 2023, 15:00-18:00, Department of Anatomy Charité



Akgün | **Beitzel** | **Hachem** | **Moroder**



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ORGANISATION

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www.15-mai.com

GENERAL INFORMATION

Meeting Dates

April 13 – 15, 2023

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 Zurich, Switzerland
Charité – Universitätsmedizin Berlin,
Germany

Organizer and Registration

Congress Compact 2C GmbH
Gina Braun, Gina Isemann, Sarah Koprowski
Joachimsthaler Strasse 31-32
10719 Berlin, Germany
Phone +49 30 88727370
E-Mail bisc@congress-compact.de

On-Site Registration and Badge Pick-up

Badge pick-up is scheduled to open on Wednesday, April 12, 2023 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 12, 2023 | 17:00-22:00 |
| Thursday, April 13, 2023 Friday, April 14, 2023 | 07:00-19:00 |
| Saturday, April 15, 2023 | 08:00-14:00 |

Exhibition Area

Participants must be registered for the meeting in order to access to the exhibition area. A complete listing and booth plan of all exhibitors will be included in the final program. The exhibition area will be open as follow:

| | |
|---|-------------|
| Thursday, April 13, 2023 Friday, April 14, 2023 | 07:00-19:00 |
| Saturday, April 15, 2023 | 08:00-14:00 |



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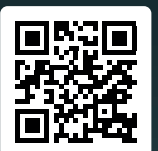
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GENERAL INFORMATION

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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 12, 2023
17:00-22:00

Thursday, April 13, 2023
07:00-19:00

Friday, April 14, 2023
07:00-19:00

Saturday, April 15, 2023
07:00-13:00

Ethical Medtech Evaluation

The Berlin International Shoulder Course has been evaluated and approved to be **COMPLIANT** in all categories. Please find details on the Ethical Medtech Website: www.ethicalmedtech.eu/medtech-apps/cvs/view-event/EMT30650

Certification

The certification of this event will be applied at the Medical Association of Berlin.

Participation Fees

| | afterwards |
|---------------------|-----------------|
| Participation Fee | 800 €* <hr/> |
| Cadaver Workshop | 500 €* <hr/> |
| Ultrasound Workshop | 150 €* <hr/> |

* All prices plus 19% tax.

Members of AGA and DVSE will get a discount of 20% on the registration fees. Members of the societies with patronage (see page 4) receive 10% on the registration fees. Workshops excluded.

Workshops are only bookable in combination with a congress ticket.

Accommodation

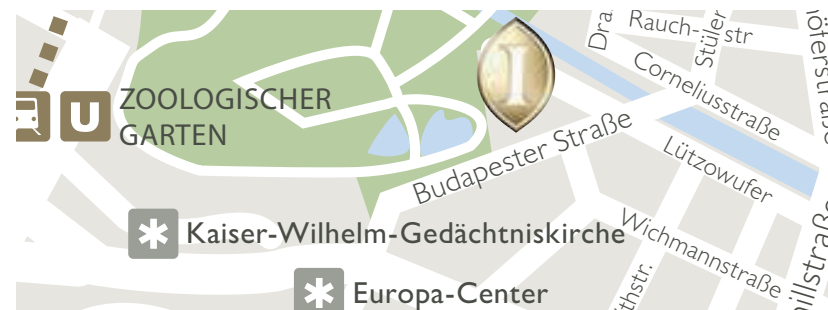
| | Single | Double/Twin |
|--------------------------------|----------------|----------------|
| Room per night incl. breakfast | 170 € <hr/> | 195 € <hr/> |



You can book your room directly online at www.berlin-shoulder-course.com/hotel, by scanning the QR Code or by calling +49 30 26020 under the keyword „Berlin International Shoulder Course 2023“.

Access

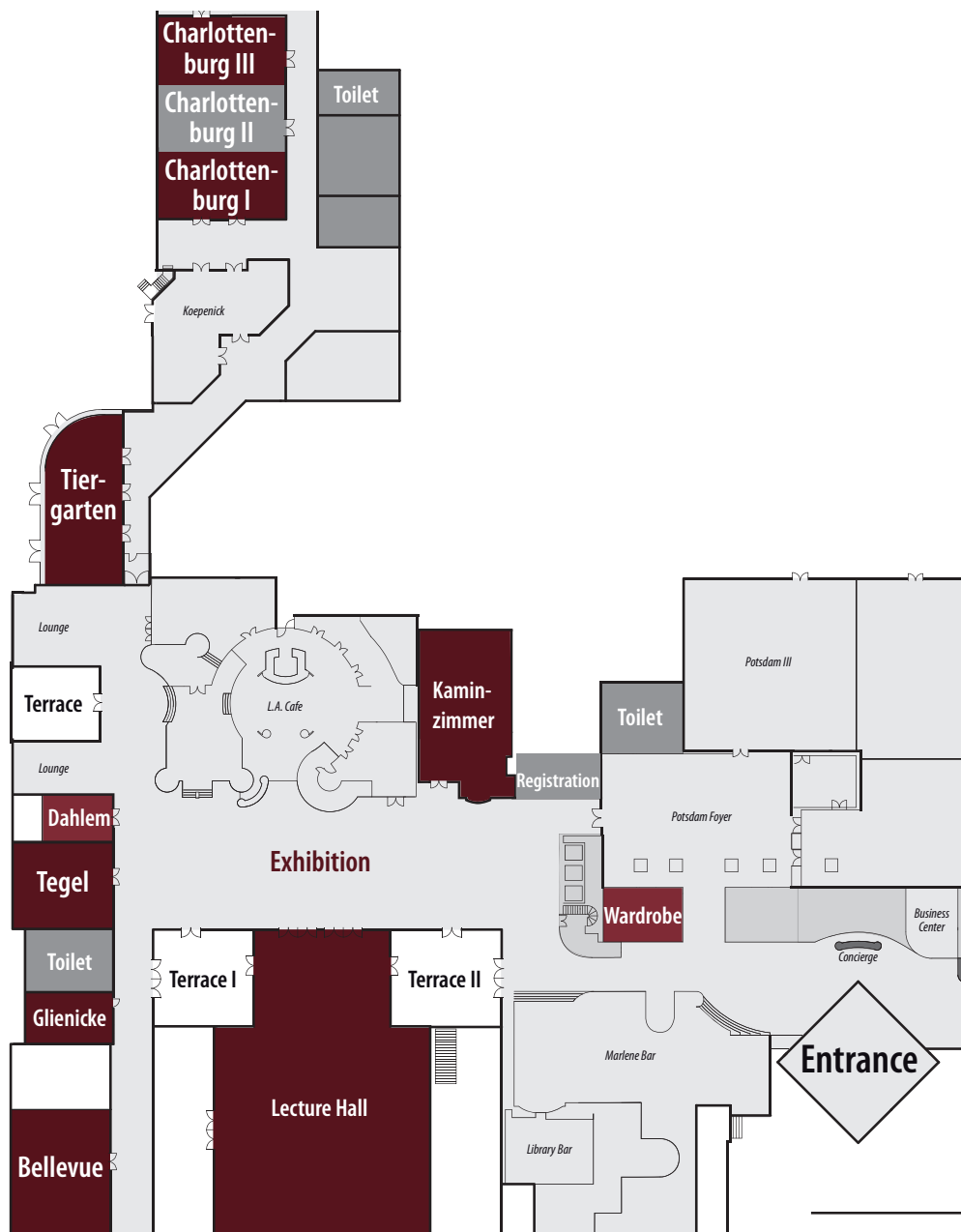
| | |
|-------------------------------------|--------|
| Airport BER | 28 km |
| Main train station "Hauptbahnhof" | 3 km |
| Train station "Zoologischer Garten" | 1,5 km |



[1] Data on file at ZuriMED Technologies: Internal test report-31

[2] Data on file at ZuriMED Technologies: Internal test report-19

*Animal and bench testing results may not necessarily be indicative of clinical performance.



YOU ARE INVITED FOR A FACULTY LED LUNCHTIME SESSION

Different Solutions for Massive Cuff Tears

14th April | 12:15 - 13:15 | Charlottenburg I

SURGEON FACULTY:



Prof. Alessandro Castagna
Italy



Prof. Olivier Verborgt
Belgium



Dr. Raul Barco
Spain

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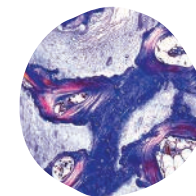
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^{*}Specific to REGENETEN Bioinductive Implant, Ruiz Iban MA, García Navlet M, Moros Marco S, et al. The Effect On Healing Rate Of The Addition Of A Bioinductive Implant To A Rotator Cuff Repair. Preliminary Report. SECEC. 2022.




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^[1] Marin E, Fedrizzi L, Regis M, Pressacco M, Zagra L, Fusi S. Stability Enhancement Of Prosthetic Implants: Friction Analysis Of Trabecular Titanium. Hip Int. 2012;4(2):427-8.
^[2] Sollazzo V, Mascari L, Pezzetti F, Girani A, Farnella F, Lorusso V, Burelli S, Bloch HR, Carinci F. Genetic effects of Trabecular Titanium™ on MG-63 cell line: a genetic profiling evaluation. ISRN Mater Sci. 2011;3(9):2743.
^[3] Benazzo F, Betta L, Scaffino MF, Calogna L, Marullo M, Fusi S, Gastaldi G. Trabecular Titanium can induce in vitro osteogenic differentiation of human adipose derived stem cells without osteogenic factors. J Biomed Mater Res Part A. 2014;102A:2641-11.
^[4] Devine D, Arens D, Burelli S, Bloch HR, Boure L. In vivo evaluation of the osteointegration of new highly porous Trabecular Titanium™. J Bone Joint Surg Br. 2012;94-B (Suppl XXXVIII):201.
^{*} Results from pre-clinical study.

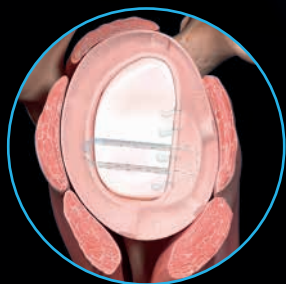
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