

# Reconstructive Shoulder Surgery – Shaping the Future



**BERLIN**

**International Shoulder Course**

**2023**

**APRIL 13–15  
BERLIN, GERMANY**

# PRELIMINARY 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 Miami 360° shoulder course. 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 13th–15th 2023

Prof. Dr. med. Markus Scheibel





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DISCOVER  
MORE



## Chairman

Markus Scheibel, Switzerland/Germany

## International Scientific Committee

Doruk Akgün, Germany  
George S. Athwal, Canada  
Emilio Calvo, Spain  
Alessandro Castagna, Italy  
Bernhard Jost, Switzerland  
Philipp Moroder, Switzerland  
Hiroyuki Sugaya, Japan  
Philippe Valenti, France

## Local Organizing Committee

Agnes Mayr, Germany  
Jan-Philipp Imiolczyk, Germany  
Marie-Jacqueline Reisener, Germany  
Katja Rüttershoff, Germany  
Kathi Thiele, Germany  
Mara Warnhoff, Germany  
Isabella Weiß, Germany



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## Speaker



Joseph A. Abboud



Jens Agneskirchner



Doruk Akgün



Yacine Ameziane



George S. Athwal



Johannes Barth



Raul Barco,



Knut Beitzel



Dirk Böhm



Dorota Böhm



Elisabeth Böhm



Pascal Boileau



Ulrich Brunner



Emilio Calvo



Alessandro Castagna



Philippe Collin



Ruth Delaney



Mehmet Demirhan



Patrick Denard



Peter Doms



Florian Drumm



Bassem Elhassan



David Endell



Christian Fialka



Mark Frankle



Florian Freisleder



Raffaele Garofalo







































## FACULTY







 Grant Garrigues 	 Thorsten Gühring 	 Stefano Gumina 
 Abdul Ilah Hachem 	 Pol Huysmans 	 Jan-Philipp Imiolczyk 
 Steffen Jehmlich 	 Kristofer J. Jones 	 Bernhard Jost 
 Matthew Kent 	 Jörn Kircher 	 Alexandre Lädemann 
 Laurent Lafosse 	 Thibault Lafosse 	 Philippe Landreau 
 Osvandre Lech 	 Olaf Lorbach 	 Przemyslaw Lubiatowski 
 Agnes Mayr 	 Pierre Métais 	 Raffy Mirzayan 
 Fabrizio Moro 	 Philipp Moroder 	 Lars-Peter Müller 
 Lionel Neyton 	 Paolo Paladini 	 Marie-Jacqueline Reisener 

## FACULTY

 Falk Reuther 	 Anthony R. Romeo 	 Katja Rüttershoff 
 Joaquin Sanchez-Sotelo 	 Markus Scheibel 	 Paul Sethi 
 Hiroyuki Sugaya 	 Mark Tauber 	 Kathi Thiele 
 Philippe Valenti 	 Olivier Verborgt 	 Mara Warnhoff 
 Kilian Wegmann 	 Isabella Weiß 	 Jean-David Werthel 
 Karl Wieser 	 Matthias A. Zumstein 	

## SCHEDULE – THURSDAY | APRIL 13, 2023

07:00 - 07:45	Registration
07:45 - 08:00	Welcome
08:00 - 09:00	<b>Key Note Presentations</b> Page 12 Anterior Shoulder Instability – Where are we in 2023?
09:00 - 09:20	<b>Invited Special Guest Lecture</b>
09:20 - 10:20	<b>Live Surgery</b> Superior Capsular Reconstruction using Long Head of Biceps Tendon
10:20 - 10:40	Coffee Break and Exhibition
10:40 - 11:20	<b>Relive Surgical Technique Videos</b> Innovative Techniques for the Treatment of Anterior Shoulder Instability
11:20 - 12:00	<b>Statements and Round Table Discussion</b> Posterior Shoulder Instability – Can we avoid Posterior Static Instability?
12:00 - 13:30	Lunch Break, Exhibition and Lunch Symposia
13:30 - 14:30	<b>Interactive Mini Battles</b> Controversial Topics – Audience please vote!
14:30 - 15:00	<b>Relive Surgical Technique Videos</b> Innovative Techniques for the Treatment of Shoulder Instability
15:00 - 16:00	<b>Live-Surgery</b> Management of Aromioclavicular Joint Instability using Knotless AC TightRope
16:00 - 16:30	Coffee Break and Exhibition
16:30 - 16:45	<b>Host Lecture</b>
16:45 - 17:10	<b>Relive Surgical Technique Videos</b> Innovative Techniques for the Treatment of AC Instability
17:10 - 17:30	<b>History of BISC and Invited Special Guest Lecture</b>
17:30 - 18:30	<b>Key Note Presentation</b> Page 20 Let's talk about Complications!
	End of the First Day and Welcome Reception

LUNCH SYMPOSIA
<b>Lunch Symposium 1</b> Innovative Surgical Strategies for Rotator Cuff Surgery in 2023 
<b>Lunch Symposium 2</b> Arthroscopic and Open Bone Graft Procedures utilizing ENDOBUTTON fixation 
<b>Lunch Symposium 3</b> Cutting Edge of Suture Technology 
<b>Lunch Symposium 4</b> The Future of Shoulder Arthroscopy 
<b>Lunch Symposium 5</b> Different Solutions for Massive Cuff Tears – How do we fix Massive Rotator Cuff Tears 
<b>Lunch Symposium 6</b> Strategies and Challenges in the Treatment of Complex Shoulder Pathologies 

## SCHEDULE – FRIDAY | APRIL 14, 2023

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

LUNCH SYMPOSIA
<b>Lunch Symposium 7</b> Reversed Glenoid: Bio-RSA vs Metal Augmentation Using Blueprint 3D Planning 
<b>Lunch Symposium 8</b> The Power of Biological Healing in Rotator Cuff Surgery 
<b>Lunch Symposium 9</b> Cutting Edge of Shoulder Arthroplasty 
<b>Lunch Symposium 10</b> Current Challenges in Shoulder Arthroplasty 
<b>Lunch Symposium 11</b> Mixed Reality in Shoulder and Elbow Surgery 
<b>Lunch Symposium 12</b> tbd

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

Registration

**Key Note Presentations** Page 30  
Shaping the Future in Treatment of Complex Proximal Humeral Fractures

09:00 - 10:00

**Reconskills meets BISC –**  
**Live-Surgeries on Pre-fractured Specimen**

10:00 - 11:30

Coffee Break and Exhibition  
Brunch Symposia  
Ultrasound-Workshop

11:30 - 12:45

**Key Note Presentations** Page 31  
Shaping the Future in Anatomical Shoulder Arthroplasty

12:45 - 14:00

**Key Note Presentations** Page 32  
Shaping the Future in Reverse Shoulder Arthroplasty

14:00 - 14:15

**Closing lecture**

14:15 - 15:00

Coffee Break and Shuttle to the Cadaver-Workshop

15:00 - 18:00

**Cadaver Workshop**

End of the Meeting

BRUNCH SYMPOSIA

**Brunch Symposium 1**  
Blueprint Planning Workshop – Primary  
and Revision Shoulder Arthroplasty  
**stryker**

**Brunch Symposium 2**  
Advanced Solutions in  
Shoulder Arthroplasty  
**medacta**  
international

**Brunch Symposium 3**  
Smarter Decision Making for Better  
Outcomes  
**ZIMMER BIOMET**  
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**Brunch Symposium 4**  
The Future Meets the Present: How Smart  
Solutions Can Improve Shoulder Surgery  
**exactech**

ULTRASOUND WORKSHOP

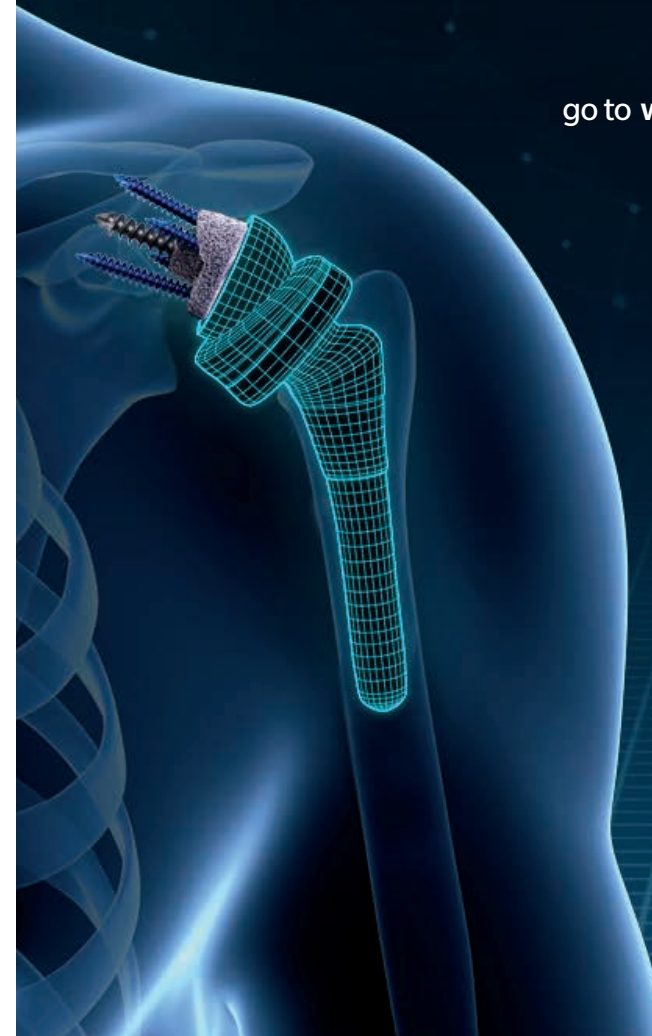
**Ultrasound Workshop**

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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?



Athwal | Castagna

08:00 Management of the first-time anterior shoulder dislocation in 2023

Lech

08:10 How I improve my results of Bankart repairs in recurrent instability

Denard

08:20 Bristow-Latarjet – Why I moved away from screws!

Boileau

08:30 Arthroscopic bone block procedure 3.0 – Mission accomplished?

Scheibel

08:40 Managing instability in collision athletes – A different game

Delaney

08:50 Does the brain heal after shoulder stabilization?

Lädemann

Session 2  
09:00-09:20

## Invited Special Guest Lecture



Scheibel

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



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



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

Ameziane

11:05 Discussion








Session 4  
11:20-12:00

## Statements and Round Table Discussion

Posterior Shoulder Instability –  
Can we avoid Posterior Static Instability?



Lubiatowski  | Moroder 

- |       |  |   |
|-------|--|---|
| 11:20 | Is it a consequence of posterior shoulder instability?<br>My solution  | Moroder   |
| 11:25 | The glenoid is too far anterior! Let's augment it.                     | Akgün     |
| 11:30 | The humerus has too much antetorsion!                                  | Athwal    |
| 11:35 | The muscles are unbalanced! We should correct that.                    | Domos     |
| 11:40 | The problem is created during birth! Should we<br>screen our patients? | Lädemann  |
| 11:45 | Round Table Discussion   |   |

12:00-13:30

## Lunch Break and Exhibition

12:15-13:15

## Lunch Symposia

Lunch  
Symposium 1

Innovative Surgical Strategies for Rotator Cuff Surgery  
in 2023

**stryker**

Lunch  
Symposium 2

Arthroscopic and Open Bone Graft Procedures  
utilizing ENDOBUTTON fixation

**Smith+Nephew**

Lunch  
Symposium 3

Cutting Edge of Suture Technology

**Arthrex**

Lunch  
Symposium 4

The Future of Shoulder Arthroscopy

**ZIMMER BIOMET**  
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Lunch  
Symposium 5

Different Solutions for Massive Cuff Tears –  
How do we fix Massive Rotator Cuff Tears

**CONMED**

Lunch  
Symposium 6

Strategies and Challenges in the Treatment of  
Complex Shoulder Pathologies






**STORZ**  
KARL STORZ – ENDOSKOPE

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.

Session 5  
13:30-14:30

## Interactive Mini-Battles

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

### Innovative Techniques for the Treatment of Shoulder Instability



**Delaney**  | **Paladini** 

- |       |   |  |
|-------|---|--|
| 14:30 | Latarjet/Walch technique – Open and successful                      | <i>Neyton</i>    |
| 14:35 | Open Latarjet using Buttons   | <i>Landreau</i>  |
| 14:40 | Arthroscopic Latarjet with cerclage fixation                        | <i>Barco</i>     |
| 14:45 | Arthroscopic posterior bone block using the bone cerclage technique | <i>Hachem</i>    |
| 14:50 | Posterior acromial pediculated bone-block – Technique and results   | <i>Métais</i>    |
| 14:55 | Discussion  |  |

Live-Surgery  
15:00-16:00

## Live-Surgery

### 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



**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

### Innovative Techniques for the Treatment of AC Instability



**Akgün**  | **Jost** 

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



Session 9  
17:10-17:30

## History of BISC and Invited Special Guest Lecture



Scheibel

- |       |  |          |
|-------|--|----------|
| 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!

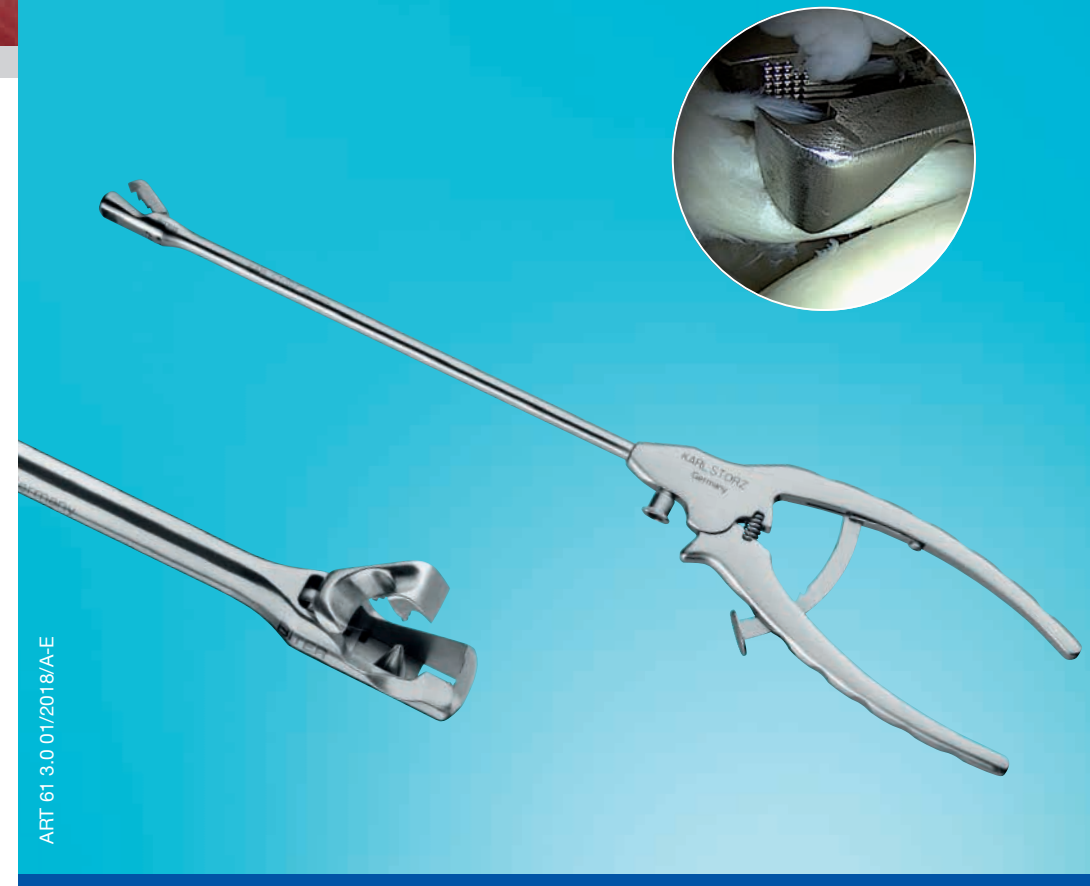


Boileau | Scheibel

- |       |   |          |
|-------|---|----------|
| 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



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**STORZ**  
KARL STORZ – ENDOSKOPE  
THE DIAMOND STANDARD

## Session 1 08:00-09:00

### Key Note Presentations

#### State of the Art in Rotator Cuff Reconstruction



**Barco** | **Denard**

- |       |   |                 |
|-------|---|-----------------|
| 08:00 | Natural history of rotator cuff tendon tears – What is proven?          | <i>Wieser</i>   |
| 08:10 | Latest strategies on preoperative planning for rotator cuff repairs     | <i>Werthel</i>  |
| 08:20 | Arthroscopic cuff repair – Patient reported outcome and quality of life | <i>Castagna</i> |
| 08:30 | When and why my rotator cuff repairs fail?                              | <i>Gumina</i>   |
| 08:40 | How I try to improve outcomes and decrease recurrent defects            | <i>Scheibel</i> |
| 08:50 | What is new in rehabilitation of cuff repairs?                          | <i>Beitzel</i>  |

## Session 2 09:00-09:20

### Invited Special Guest Lecture



**Scheibel**

- |       |  |                 |
|-------|--|-----------------|
| 09:00 | Cutibacterium acnes infection in shoulder surgery – Why do we need new guidelines? | <i>Castagna</i> |
|-------|--|-----------------|

## 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

#### Innovative Techniques for the Treatment of Rotator Cuff Pathology



**ElHassan** | **Wieser**

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

Session 4  
11:20-12:00

## Statements and Round Table Discussion

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 Surgery	
Lunch Symposium 9	Cutting Edge of Shoulder Arthroplasty	
Lunch Symposium 10	Current Challenges in Shoulder Arthroplasty	
Lunch Symposium 11	Mixed Reality in Shoulder and Elbow Surgery	
Lunch Symposium 12	tbd	

Session 5  
13:30-14:30

## Interactive Mini-Battles

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 posterosuperior 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	Is 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



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



Agneskirchner  | Sugaya 

- 16:00 Subscapularis repair during RSA – Tips and tricks
- 16:05 3D planning of an augmented base plate
- 16:10 Rediscovering shoulder arthroplasty – Exactech GPS navigation
- 16:15 Reverse shoulder arthroplasty using Blueprint mixed reality guidance
- 16:20 Discussion

Lädemann 

Verborgt 

Barco 

Collin 

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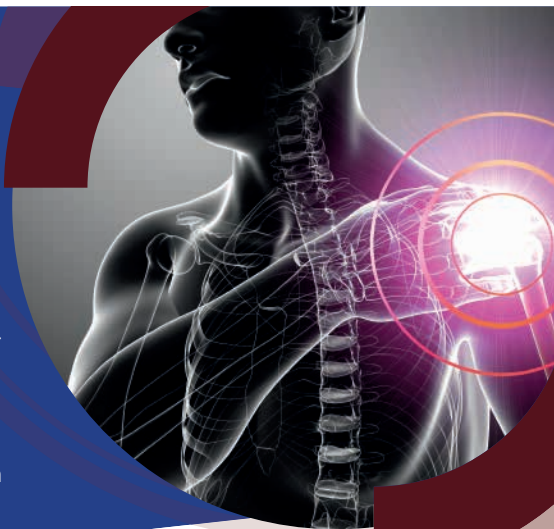
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.....  
Current challenges in  
shoulder arthroplasty  
Friday, April 14 2023  
12:15 – 13:15

## 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](http://www.shoulder360.org)



April 13-15, 2023  
Berlin, Germany  
[www.berlin-shoulder-course.com](http://www.berlin-shoulder-course.com)

Session 7  
16:30-17:00

## Invited Special Guest Lecture and Live Demonstration



Scheibel

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 Miami 360°

17:00-18:00

Shoulder Surgeons who have had Shoulder Surgery



Abboud | Sethi | Mirzayan | Scheibel

**BERLIN**  
International Shoulder Course



Agneskirchner |  
Boileau | Castagna |  
Delaney | Zumstein

Abboud | Frankle |  
Lafosse | Jones |  
Romeo

18:00-18:30

Debates – American vs European Perspectives  
Use of Bone Blocks for Shoulder Instability;  
Evolving Role of Stemless Reverse;  
Outpatient Shoulder Surgery

19:00

## End of the Second Day

Session 1  
08:00-09:00

## Key Note Presentations

### Shaping the Future in Treatment of Complex Proximal Humeral Fractures



**Brunner** | **Valenti**

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

Session 2  
09:00-10:00

## reconskills meets BISC

### Live-Surgeries on Pre-Fractured Specimen



**Müller** | **Wegmann**

09:00	Introduction	<i>Müller</i>
09:10	tbd	
09:30	Reverse arthroplasty for proximal humeral fractures	<i>Gühring</i>

Award  
10:00-10:10

## Social Media Award Winner

10:10-11:30

## Coffee Break and Exhibition

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**

10:15-11:15

## Ultrasound Workshop

Session 3  
11:30-12:45

## Key Note Presentations

### Shaping the Future in Anatomical Shoulder Arthroplasty



**Barth** | **Gumina**

11:30	What the surgeon needs to know from pre-op planning software	<i>Zumstein</i>
11:40	Influencing soft-tissue factors on outcome of total shoulder arthroplasty	<i>Verborgt</i>
11:50	Subscapularis take-down and repair techniques – Up Date 2023	<i>Tauber</i>
12:00	Stemless and short-stem implants – Challenges and opportunities	<i>Neyton</i>
12:10	The best material for the humeral head and glenoid component	<i>Reuther</i>
12:20	Augmented glenoid components – Are we getting better?	<i>Athwal</i>
12:30	Outpatient total shoulder arthroplasty	<i>Garrigues</i>



Session 4  
12:45-14:00

## Key Note Presentations

### 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 | Shoulder pacemaker in reverse arthroplasty – Kinematics and outcome                                      | Moroder        |

Session 5  
14:00-14:15

## Closing lecture



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

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

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

# SATELLITE PROGRAM

Lunch Symposia  
12:15-13:15

Thursday | April 13, 2023

Lunch Symposium 1 Innovative Surgical Strategies for Rotator Cuff Surgery in 2023 **stryker**



Freislederer  | Sanchez-Sotelo  | Scheibel 

Lunch Symposium 2 Arthroscopic and Open Bone Graft Procedures utilizing ENDOBUTTON fixation **SmithNephew**



Boileau  | Lubiatowski 

Lunch Symposium 3 Cutting Edge of Suture Technology **Arthrex**



Beitzel  | Denard  | Hachem  | Moroder 

Lunch Symposium 4 The Future of Shoulder Arthroscopy **ZIMMER BIOMET**  
Moving You Forward.™



Lunch Symposium 5 Different Solutions for Massive Cuff Tears – How do we fix Massive Rotator Cuff Tears **CONMED**



Barco  | Castagna  | Verborgt 

Lunch Symposium 6 Strategies and Challenges in the treatment of complex shoulder pathologies **STORZ**  
KARL STORZ – ENDOSKOPE



Jehlich  | Wieser 

Lunch Symposia  
12:15-13:15

Friday | April 14, 2023

Lunch Symposium 7 Reversed Glenoid: Bio-RSA vs Metal Augmentation Using Blueprint 3D Planning **stryker**



Boileau  | Scheibel 

Lunch Symposium 8 The Power of Biological Healing in Rotator Cuff Surgery **SmithNephew**



Lafosse  | Calvo 

Lunch Symposium 9 Cutting Edge of Shoulder Arthroplasty **Arthrex**



Collin  | Denard  | Moroder 

Lunch Symposium 10 Current challenges in Shoulder Arthroplasty **MATHYS**  
a company of enovis.

Lunch Symposium 11 Mixed Reality in Shoulder and Elbow Surgery **RSQ**  
REALITY SHAPING QUALITY

Lunch Symposium 12 tbd

## Brunch Symposia 10:15-11:15

### Saturday | April 15, 2023

Brunch Symposium 1 **Blueprint Planning Workshop – Primary and Revision Shoulder Arthroplasty** 



Athwal  | Delaney  | Neyton  | Sanchez-Sotelo 

Brunch Symposium 2 **Advanced Solutions in Shoulder Arthroplasty** 



Akgün  | Jost  | Lädermann  | Zumstein 

Brunch Symposium 3 **Smarter Decision Making for Better Outcomes** 

Brunch Symposium 4 **The Future Meets the Present: How Smart Solutions Can Improve Shoulder Surgery** 



Barco  | Drumm  | Kent  | Tauber 

## Ultrasound Workshop 10:15-11:15

### Saturday | April 15, 2023

UW 1 **Ultrasound Workshop** 



Akgün  | Dirk Böhm  | Dorota Böhm 

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### Bronze Sponsors



### Exhibitors and Sponsors





## 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  
Fax +49 30 887273710  
E-Mail [bisc@congress-compact.de](mailto:bisc@congress-compact.de)

## Patronage



## 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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[1] Marin E, Fedrizzi L, Regio M, Pressacco M, Zagra L, Fusi S. Stability Enhancement Of Prosthetic Implants: Friction Analysis Of Trabecular Titanium. Hip Int. 2012;403:427-8.  
[2] Sellazzo V, Massari L, Pizzetti F, Girardi 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;392763.  
[3] Benazzo F, Bolta L, Scaffino MF, Calogno 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:2581-71.  
[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 XXXVII):201.  
\* Results from pre-clinical study.



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[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.

## GENERAL INFORMATION

### 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 requested a evaluation by the Ethical Medtech.

### Participation Fees

	until January 6, 2023	afterwards
Participation Fee	600 €*	800 €*
Cadaver Workshop	400 €*	500 €*
Ultrasound Workshop	100 €*	150 €*

\* All prices plus 19% tax.

Participants from Eastern Europe will get a reduction of 20% of the registration fees. Workshops are only bookable in combination with a congress ticket.

### Accommodation

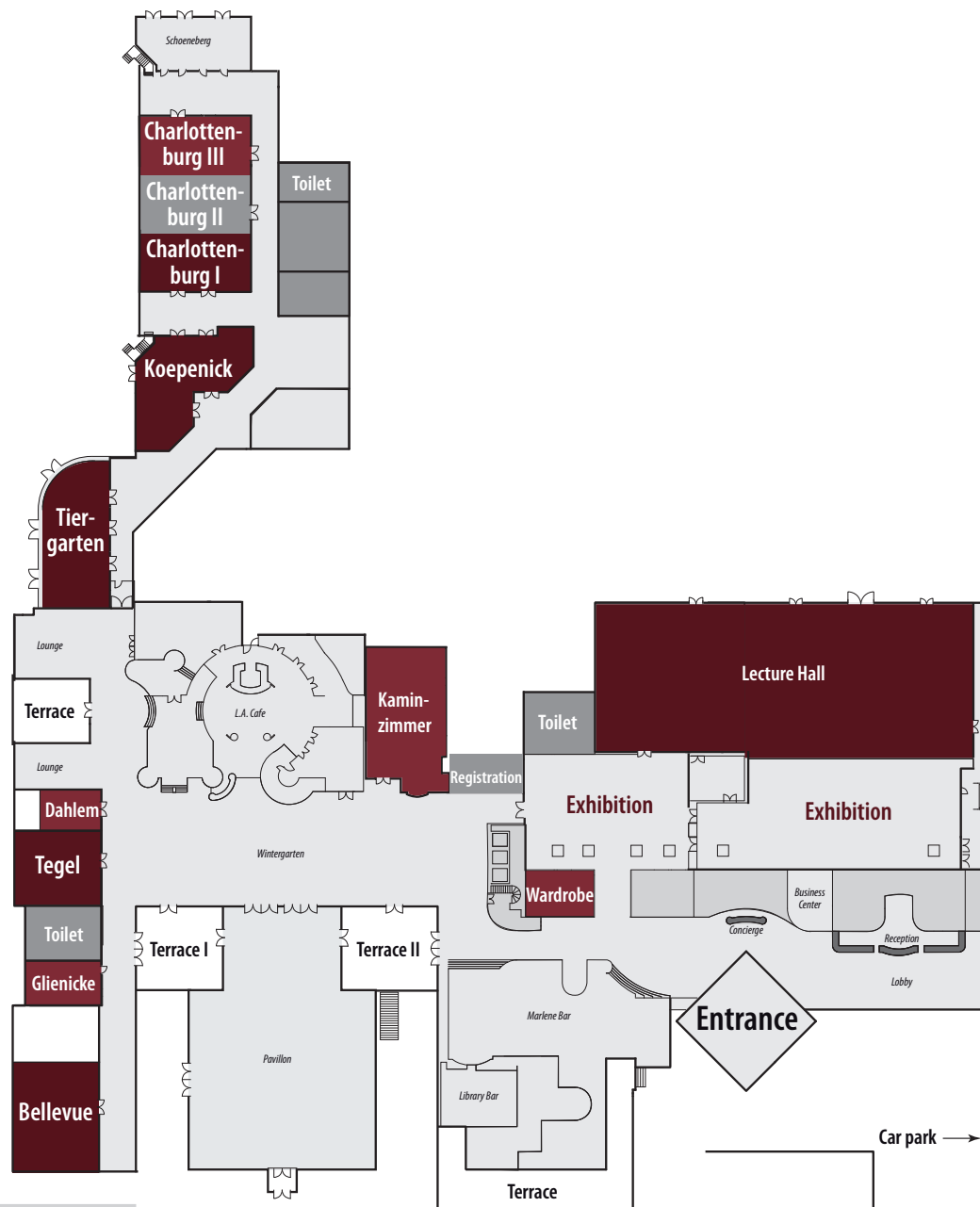
	Single	Double/Twin
Room per night incl. breakfast	170 €	195 €

You can book your room by mailing us at: [berha.reservations@ihg.com](mailto:berha.reservations@ihg.com). or call +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





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Berlin International Shoulder Course  
Berlin, Germany  
April 13 - 15, 2023





## REGISTRATION BISC 2023

Please use the online form at: [www.berlin-shoulder-course.com](http://www.berlin-shoulder-course.com)  
or return the registration form by fax +49 30 887273710.

Address		Title
First Name		Last Name
Institution		
Street, Number		
ZIP	City	Country
Phone	Fax	
E-Mail		
EFN Number		

Registration	until January 6, 2023	afterwards
<input checked="" type="checkbox"/> Participation Fee	600 €*	800 €*
<input type="checkbox"/> Cadaver Workshop	400 €*	500 €*
<input type="checkbox"/> Ultrasound Workshop	100 €*	150 €*

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

\* All prices plus 19% tax.  
 Participants from Eastern Europe will get a reduction of 20% of the registration fees.

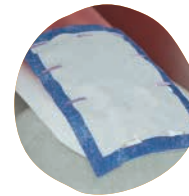
### Terms of cancellation

By a cancellation until January 6, 2023, a cancellation fee of 50 € will be retained. Until March 12, 2023, 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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