IBRA International Bone Research Association

Program

IBRA EDUCATION PROGRAM Master

IBRA Master Course

with pre-fractured specimen

Trauma from Wrist to Elbow: A Case Based Workshop with Realistic Treatment Options

November 8 – 9, 2024
Basel, Switzerland

Chairpersons:
Prof. Dr. Lars P. Müller, Cologne, Germany
Prof. Dr. Rainer Meffert, Würzburg, Germany

Foreword

Dear colleagues,

Within the last decade, a number of „new“ potential OR indications and ORIF techniques have been developed for pathologies around the wrist and the elbow joint. These include arthroscopic and (hemi)-prosthetic options. Ultimate goal is the anatomical und biological reconstruction of the bony and ligamentous injury. Artificial joint elements should be avoided if possible.

Besides the new developments in the field of osteosynthesis techniques, the reconstruction of soft tissue injuries, especially the direct or indirect repair of ligamentous injuries, play a major role. In the context of the current course concept fracture production WITH the soft tissue specimens, we address the bony stabilization techniques and possibilities of soft tissue reconstruction.

Forearm fractures are addressed with anatomical plates in this course as well (the first time within a „prefracture-event“): Checking for a good reposition is essential (length, bow, rotation!). We look forward to welcoming you in Basel to practical surgery days full of interesting discussions with pre-fractured specimens.

Lars P. Müller

Rainer Meffert

Faculty

Chairpersons

Prof. Dr. Lars P. Müller, Cologne, DE

Prof. Dr. Rainer Meffert, Würzburg, DE

Faculty

(in alphabetical order)

Univ.-Prof. Dr. Rohit Arora, Innsbruck, AT

Dr. Alejandro Badia, Doral, FL, US

Dr. Marion Burnier, Lyon, FR

Dr. Ben East, Newcastle, AUS

Prim. Dr. Wolfgang Hintringer, Vienna, AT

Prof. Dr. Hermann Krimmer, Ravensburg, DE

Dr. Alberto Lazzerini, Milano, IT

Prof. Dr. Rainer Meffert, Würzburg, DE

Prof. Dr. Lars Peter Müller, Cologe, DE

Dr. Carlos Rueda, Bogotà, COL

Friday – November 8, 2024

	Location IBRA Institute BioSkills Lab Hochbergerstrasse 60E CH-4057 Basel	
7:45 – 8:00	**Registration**	
8:00 – 8:05	Welcome	*L. P. Müller* *R. Meffert*
8:05 – 8:10	Introduction IBRA	*A. Gab*
8:10 – 9:30	**Theoretical Part I: Elbow Fractures (80 min)**	***L. P. Müller*** ***R. Meffert***
8:10 – 8:20	Fracture Simulator – a story from cologne	*L. P. Müller*
8:20 – 8:30	Radial head fractures	*A. Badia*
8:30 – 8:40	Isolated coronoid fractures	*R. Arora*
8:40 – 8:50	Terrible-triad	*L. P. Müller*
8:50 – 9:00	Monteggia-like fractures	*R. Meffert*
9:00 – 9:10	Distal humerus fractures	*B. East*
9:10 – 9:30	Discussion	*L. P. Müller*
9:30 – 10:00	**Coffee Break**	

Friday – November 8, 2024

10:00 – 13:00	**Practical Part I: Proximal Forearm Fractures (180 min)**	***L. P. Müller***
10:00 – 10:10	Introduction to the workshop	*L. P. Müller*
10:10 – 10:25	Pre-operative planning with X-Rays and CT-Scans	*All*
10:25 – 11:40	Difficult fracture treatment with pre-fractured specimens in a group of 4 participants	*All*
11:40 – 13:00	Each group presents its case, describes what went well, what went wrong, what complications can occur, what were the learnings and discuss open questions.	*All*
13:00 – 14:00	**Lunch**	
14:00 – 16:00	**Theoretical Part II: Case Discussion - Elbow (120 min)**	***L. P. Müller***
14:00 – 16:00	Most difficult elbow cases presented by the faculty and participants	*all*
16:00 – 16:15	Summary	*L. P. Müller*
20:00	**Networking Dinner**	

Saturday – November 9, 2024

	Location IBRA Institute BioSkills Lab Hochbergerstrasse 60E CH-4057 Basel	
8:15 – 8:30	**Registration**	
8:30 – 8:40	Welcome	*H. Krimmer* *W. Hintringer*
8:40 – 10:30	**Theoretical Part II: Distal Radius and Forearm Shaft Fractures (110 min)**	***H. Krimmer*** ***W. Hintringer***
8:40 – 8:50	Distal radius: Key fragments, lunate facet and volar rim	*W. Hintringer*
8:50 – 9:00	Distal radius: High velocity injuries	*R. Meffert*
9:00 – 9:10	Galeazzi injuries	*R. Arora*
9:10 – 9:20	Correction: Around distal radius	*H. Krimmer*
9:20 – 9:30	Perilunate carpal injuries	*C. Rueda*
9:30 – 9:40	Scaphoid: Solutions for difficult cases	*A. Badia*
9:40 – 9:50	Scaphoid plate fixation: Indication, technique and outcome	*A. Lazzerini*
9:50 – 10:00	Scaphoid nonunion	*M. Burnier*
10:00 – 10:10	Forearm shaft fractures	*R. Meffert*
10:10 – 10:30	Discussion	*H. Krimmer*
10:30 – 10:45	**Coffee Break**	

Saturday – November 9, 2024

10:45 – 12:30	**Practical Part II: Distal Radius Fractures (105 min)**	***H. Krimmer***
10:45 – 10:50	Introduction to the workshop	*R. Meffert*
10:50 – 11:00	Pre-operative planning with X-Rays and CT-Scans	*All*
11:00 – 12:00	Difficult fracture treatment with pre-fractured specimens in a group of 4 participants	*All*
12:00 – 12:30	Each group presents its case, describes what went well, what went wrong, what complications can occur, what were the learnings and discuss open questions.	*All*
12:30 – 13:15	**Lunch**	
13:15 – 15:00	**Practical Part III: Forearm Shaft Fractures (105 min)**	***R. Arora***
13:15 – 13:30	Pre-operative planning with X-Rays and CT-Scans	*All*
13:30 – 14:30	Difficult fracture treatment with pre-fractured specimens in a group of 4 participants	*All*
14:30 – 15:00	Each group presents its case, describes what went well, what went wrong, what complications can occur, what were the learnings and discuss open questions.	*All*
15:00 – 15:15	Summary	*R. Meffert* *L. P. Müller*

General Information

Chairpersons

Prof. Dr. Lars P. Müller, Cologne, DE
Prof. Dr. Rainer Meffert, Würzburg, DE

Organized by

IBRA - International Bone Research Association, Basel, Switzerland

Registration & Information

IBRA Administration Office
Hochbergerstrasse 60E, CH-4057 Basel
Phone: +41 (0) 61 319 05 05
info@ibra.net, www.ibra.net

Registration Fees

	Wrist & Elbow	Wrist	Elbow
IBRA Full Member	EUR 820	EUR 410	EUR 410
Non- / Basic Member (IBRA)	EUR 1640	EUR 820	EUR 820

Registration Fee includes

November 8 + 9: Lunch and Coffee Breaks at the IBRA Institute BioSkills Lab

Registration for Workshop only: not possible!

Networking Dinner: not included

Networking Dinner

Costs: EUR 45 per person

Registration Deadline: October 11, 2024

Certification

CME certification will be applied for

General Information

Educational hours

Theoretical Part on Friday, November 8 – 200 min

Practical Part on Friday, November 8 – 180 min

Theoretical Part on Saturday, November 9 – 110 min

Practical Part on Saturday, November 9 – 210 min

Total: 11,5h

Target audience

Recommended for senior surgeons and department heads.

Main specialty of the event

An interactive seminar and hands- on workshop, addressing trauma and reconstruction with representative cases and discussions. Latest innovations and trends are presented both in theoretical discussions and surgical demonstrations. Practical exercises are designed as close as possible to realities in the operating room (pre-operative discussion of the case, use of pre-fractured or deformed specimen).

Expected total number of participants

32

Educational needs

A vital scientific exchange between experts of the subspecialty reaching out for the establishment of refined standards in surgery and further improved treatment for patients has been identified as the specific need of this course level. Opening of new perspectives and a solid sounding board. Testing and possible confirmation of individual ideas through discussion with peer experts.

Expected educational outcomes

Broadening of spectrum of good practices and their dissemination, Aware of new/improved techniques and methodologies to diagnose, treat and follow-up patients.

General Information

Nature of the event

Each day starts with cases presentations and discussions. Panel discussions analyze operative challenges, followed by „pearls and pitfalls“. Most part of the day focuses on hands-on cadaver lab starting with a preoperative planning based on radiologic findings. The inter-active course format will engage the participants and highlight the controversy linking lack of evidence and broad range of experience.

Methods to promote active learning

Multimedia presentations; time for question & answer sessions and discussion; cadaver workshop (of pre-fractured specimens) with sharing and discussion of the various cases.

International audience

Yes

Main language of the event

The official event language is English.

Simultaneous translation

No simultaneous translation will be provided.

General Information

Course Format

Since 2011, a multidisciplinary team of trauma surgeons from the University hospital of Cologne, biomechanics from the German Sport University and engineers has been specialized in creating realistic limb injuries of specimens in order to offer surgical training. Together with the University hospital of Cologne the team offers surgeons and orthopaedics practical training courses in which the participants get training on specimens with realistic bony and ligamentous injury patterns. To create these realistic osteoligamentous injuries with intact soft tissues, the team has designed a complex test-bench with multiple technical adaptations.

Compared to established courses on artificial bones or intact specimens, this new concept is designed to challenge advanced surgeons as well.

Before starting the treatment, the participants have to analyze the injury with the help of X-ray and CT imaging. After the fracture classification, the surgeons discuss the approach and realize the surgical treatment. X-ray images help to analyze the result of the treatment of the individual case and it can be discussed by the entire group.

For the indicated body parts elbow and hand, this team is able to create defined, realistic injuries. Further body parts such as shoulder and lower extremities, the team is working constantly to analyze individual sequences of injuries in order to design technical methods and to create realistic injuries.

General Information

Venue

IBRA Institute
BioSkills Lab
Hochbergerstrasse 60E
CH-4057 Basel

Accommodation

Essential by Dorint Basel City
Schönaustrasse 10
CH-4058 Basel

Room Rate

Essential room CHF 159 per night/ single usage incl. breakfast
Superior room CHF 179 per night/ single usage incl. breakfast

Please indicate your room requirements in the registration form.

Networking Dinner

Friday, November 8, 2024

Time

20:00 h

General Information

Registration and Confirmation

All registrations are confirmed by e-mail. If you have not received a confirmation prior to your departure for this course, please contact us.

Refund Policy

All refunds must be requested by email (info@ibra.net) to the IBRA Administration Office. If IBRA receives it 3 weeks prior to the event, a full refund will be given. If IBRA receives it 10 days prior to the event, a refund of 50% of the registration fee will be given. No refunds will be given for later notifications or non-attendance.

Please note: The course fee will be fully refunded in case of cancellations due to Pandemic-related regulations and restrictions imposed by regional or national authorities.

Sponsoring

We thank our sponsor Medartis for contributing in-kind support (material and logistics) without which this event would not be possible.

A special thanks to Medartis for providing an unrestricted financial support for this event.

IBRA would like to make the participants of this course aware that there is a variety of different similar products available on the market beyond the ones provided at this particular event.

General Information

Disclaimer and Waiver

I understand that the material presented in this educational program (the "Program") has been made available under sponsorship of IBRA (International Bone Research Association) for educational purposes only. This material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty that may be of interest to others.

As a condition of my participation in the Program, I hereby (i) waive any claim I may have against IBRA and its officers, directors, employees, sponsor, agents, or against the presenters or speakers, for reliance on any information presented in the Program; and (ii) release IBRA, its officers, directors, employees, sponsors and agents, as well as the presenters and speakers, from and against any and all liability for damage or injury that may arise from my participation or attendance at the Program.

I further understand and agree that no reproduction of any kind, including photographs, audiotapes and videotapes, may be made of the Program.
All property rights in the material presented, including common law copyright, are expressly reserved to the presenter or speaker or to the IBRA.

IBRA is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available. Costs incurred by the registrant, such as airline or hotel fees or penalties, are the responsibility of the registrant.

I hereby certify that I am correctly vaccinated against the current diseases which could be transmitted during the dissection workshops. I also certify that my personal insurance company will take in charge the possible injuries and complications that may occur during the dissection workshops. I relieve the organizers from their responsibility concerning any injury and complication that may occur during the workshops.

By registering for the Program, I consent to the conditions of participation set forth above.

IBRA Institute

BioSkills by IBRA International Bone Research Association

Empowering through excellence in medical education.

IBRA International Bone Research Association

IBRA is an internationally oriented non-profit organization, for specialized clinicians and research scientists. IBRA's core activity is the future-oriented advancement of bone-tissue research and management focusing particularly on:

- Bone biology, including osteointegration, bone generation and soft tissue reaction
- Maxillofacial and orthopaedic rehabilitation
- Materials research including hardware development
- Biomechanics
- Tissue engineering
- Surgical procedures & clinical management

IBRA encourages the development of innovative solutions in a friendly, loyal atmosphere. Future-oriented open-mindedness and international acceptance form the basis for first-rate assistance in realizing modern research projects and promoting individual careers. As an international forum reaching across geographic and cultural borders, IBRA offers an up-todate network for the exchange of experience and knowledge in applied bone and tissue research.

History

IBRA was founded in Zurich, Switzerland on September 25, 2004 at the initiative of eighteen forward-looking clinicians. Its primary aims are the exchange of professional knowledge, promotion of new scientific developments, engineering of the musculoskeletal system, coordinated multi-centre research and highly specialized advanced training.

Research Support

IBRA offers financial support for research projects dealing with bone biology and the improvement or development of internal fixation devices for maxillofacial and limbs surgery. With the emphasis on innovation and suitability for practical application, 95% of the research budget goes towards applied research and clinical studies and 5% towards basic research.

Education

IBRA's education area offers clinicians special courses on the application of specific methods of treatment. IBRA's particular concern is to train tomorrow's highly qualified research scientists. IBRA enhances its members' qualifications through a scholarship program.

Notes

IBRA International Bone Research Association

IBRA – a unique international network in research and continuing education

Our aim is to promote the exchange of professional knowledge, provide highly specialized medical training and encourage research as well as new scientific developments.

Core activities

- Global grid of IBRA Training Centers
- Courses, workshops and webinars
- International scholarship program
- Research grants

IBRA Membership – Your future is in your hands!

Take advantage of our innovative hands-on training courses and connect with like-minded experts worldwide.

Membership

IBRA Basic Membership

The gateway to the IBRA affiliation

- Worldwide networking (Members and Training Centers)
- Regular updates on events
- Access to our database of materials and recorded webinars
- Free of charge

IBRA Full Membership

Shaping our organization in various functions

All Basic Membership benefits plus:

- Prioritized access to IBRA research grants and scholarships
- Considerably reduced course fees (50%)
- Voting rights at the General Assembly
- Development opportunities within IBRA (e.g. speaker, course chair, Training Center)

www.ibra.net/Membership

IBRA International Bone Research Association

IBRA Virtual Campus

Flexible, self-paced learning for busy healthcare professionals

The IBRA Virtual Campus features:

✓ Recorded webinars
✓ Online courses
✓ Instructional videos
✓ Scientific articles
✓ Case discussions

Virtual Campus

All IBRA Members enjoy access to the Virtual Campus through the member area.

Not part of our affiliation yet?

Join us today and take advantage of the benefits of the IBRA Basic Membership:

- Worldwide networking
- Regular updates on events
- Access to the Virtual Campus
- Free of charge

IBRA Virtual Campus:

Headquarters

IBRA
International Bone Research Association
Hochbergerstrasse 60E
CH-4057 Basel
Phone +41 61 319 05 05
info@ibra.net
www.ibra.net

North America

IBRA North America, Inc.
Four Tower Bridge
200 Barr Harbor Drive, Suite 400
PMB# 9097
West Conshohocken, PA 19428
Phone +1 610 357 7024
info@ibra.net
www.ibra.net