IBRA International Bone Research Association

Program

IBRA EDUCATION PROGRAM
Resident

IBRA Resident Course

Osteosynthesis of the Hand & Wrist

January 26 – 27, 2023
Irchel Campus
University of Zurich
Institute of Anatomy

University of Zurich[UZH]

Chairperson:
Prof. Dr. med. Maurizio Calcagni

Foreword

Dear friends,

the treatment of hand and wrist fractures greatly evolved in the last few years enlarging the spectrum, but also posing new challenges. The introduction of new fixation material together with better understanding of the wrist biomechanics allowed for new approaches and eventually enhanced results. The accurate diagnosis of the injury, the choice of the best possible treatment strategy (surgical or not), the use of the most adapted osteosynthesis and a personalized rehabilitation protocol are all necessary steps for an optimal functional recovery.

This course features theoretical demonstrations followed by practical workshops on anatomical specimens. This structure will give an in deep sight of the actual state of the art in the treatment of most common hand and wrist injuries. Four key-lectures will highlight specific topics in the hand and wrist fixation.

The small number of participants together with the large faculty local and international experts will allow for a constructive and in depth discussion. The experts will guide the participants through the different exercises and will stay at disposal for analysis of specific cases or problems.

We look forward to welcoming you in Zurich for a highly productive course.

Prof. Dr. Maurizio Calcagni
Zurich, CH

Faculty

Chairperson

Prof. Dr. Maurizio Calcagni, Zurich, CH

Faculty

(in alphabetical order)

Vera Beckmann-Fries, Zurich, CH
Dr. Inga Besmens, Zurich, CH
Prof. Dr. Maurizio Calcagni, Zurich, CH
Dr. Marco Guidi, Aarau, CH
Dr. Martina Gremiger, Zurich, CH
Dr. Marco Keller, Zurich, CH
Dr. Alex Lluch, Barcelona, ES
Dr. Ivan Tami, Lugano, CH
Andrea Tami, Basel, CH

Thursday – January 26, 2023

8:00 – 8:30	**Registration**	
8:30 – 8:35	Welcome	*M. Calcagni*
8:35 – 8:40	IBRA Introduction	*T. Hövekamp*
8:40 – 12:35	**Session I** **(Theory 65 min / Practice 150 min)**	
8:40 – 8:55	Material science from the implant industry point of view	*A. Tami*
8:55 – 9:25	Treatment of proximal phalanx fractures	*A. Lluch*
9:25 – 9:45	Endomedullary fixation of finger bones	*M. Calcagni*
9:45 – 10:05	**Coffee Break**	
10:05 – 11:05	Lab 1: Horizontal fracture of the proximal phalanx (plating)	*M. Keller*
11:05 – 12:35	Lab 2: Horizontal fracture of the proximal phalanx (cannulated screws)	*M. Guidi*
12:35 – 13:35	**Lunch**	

Thursday – January 26, 2023

13:35 – 17:00	**Session II (Theory 80 min / Practice 100 min)**	
13:35 – 13:55	Strategies in the treatment of metacarpal fractures (first to fifth)	*M. Keller*
13:55 – 14:15	Complications in the treatment of finger fractures	*M. Guidi*
14:15 – 15:05	Lab 3: Neck fracture of the 2. metacarpal	*M. Keller*
15:05 – 15:55	Lab 4: Winterstein fracture 1. metacarpal	*A. Lluch*
15:55 – 16:15	**Coffee Break**	
16:15 – 16:35	Rehabilitation of finger fractures	*V. Beckmann-Fries*
16:35 – 16:55	Fractures involving PIP joints and PIP reconstruction (hemihamate to prosthetics)	*I. Tami*
16:55 – 17:00	Conclusion	*M. Calcagni*
19:30	**Networking Dinner**	

Friday – January 27, 2023

8:00 – 12:00	**Session III** **(Theory 60 min / Practice 180 min)**	
8:00 – 9:00	Lab 5: Fractures of the scaphoid palmar approach	*M. Gremiger*
9:00 – 10:00	Lab 6: Fractures of the scaphoid dorsal approach	*A. Lluch*
10:00 – 10:20	**Coffee Break**	
10:20 – 10:50	Scaphoid reconstruction	*M. Calcagni*
10:50 – 11:20	Partial wrist fusion	*A. Lluch*
11:20 – 12:20	Lab 7: Four corner fusion	*I. Tami*
12:20 – 13:20	**Lunch**	

Friday – January 27, 2023

13:20 – 17:40	**Session IV** **(Theory 60 min / Practice 180 min)**	
13:20 – 14:20	Lab 8: Fractures of the distal radius palmar approach	*I. Tami*
14:20 – 15:20	Lab 9: Ulna Shortening	*M. Guidi*
15:20 – 16:20	Lab 10: Fractures of the distal radius dorsal approach	*M. Gremiger*
16:20 – 16:40	**Coffee Break**	
16:40 – 17:10	Arthroscopy distal radius fixation	*I. Tami*
17:10 – 17:40	3D technology for hand and wrist fractures and their time and effort/costs	*M. Keller*
17:40 – 17:45	**Conclusion and adjourn**	*M. Calcagni*

General Information

Chairperson

Prof. Dr. Maurizio Calcagni, Zurich, CH

Organized by

IBRA - International Bone Research Association, Basel, Switzerland

Registration & Information

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Registration via www.handflaps.org

Course Fee incl. Tax

IBRA Full Member	EUR 440
Non- / Basic Member (IBRA)	EUR 880

Certification

Total: 16 credits SGH, 16 credits SGPRAC

Course Fee includes

January 26 + 27: Lunch and Coffee Breaks
Registration for Workshop only: not possible!
Networking Dinner: not included

Networking Dinner

Costs: EUR 40 per person

General Information

Educational hours

Theoretical Part on Thursday, January 26 - 130 min
Practical Part on Thursday, January 26 - 250 min

Theoretical Part on Friday, January 27 - 120 min
Practical Part on Friday, January 27 - 360 min

Total: 14,5h

Target audience

Recommended for senior residents and physicians in sub-specialty training.

Main specialty of the event

The course offers the basics in clinical diagnostics, treatment and follow-up. The focus is on state-of-the-art surgical techniques.

Expected total number of participants

30

Educational needs

Starts with clinical anatomy. Based on expressed needs by participants of previous courses and events (evaluations), residents and physicians in training request and appreciate „hands-on“ workshops, explanations of experts, the exchange with a variety of faculty as well as discussions with peers about clinical cases.

Expected educational outcomes

Consolidate the knowledge of classifications and most useful approaches. increase the spectrum of skills dealing with standard surgeries. Learning tips and tricks (alternatively: handy hints) in applying techniques and conducting operations.

General Information

Nature of the event

Standard procedures and interesting cases are introduced in lectures and contain case studies and discussions. After that, a cad lab workshop follows the theoretical sessions. Each approach is usually explained by a corresponding educational video explained by a faculty member.

Methods to promote active learning

Multimedia presentations; time for question & answer sessions and discussion; cadaver workshop with helpful hints shown by faculty members.

International audience

Yes

Main language of the event

The official language is English.

Simultaneous translation

No simultaneous translation will be provided.

General Information

Method of Payment

Payment instructions will be provided upon registration.

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

Please see www.handflaps.org

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

Sponsoring

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

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

Venue

Irchel Campus
University of Zurich
Institute of Anatomy
Winterthurerstr. 190
CH-8057 Zürich

University of Zurich[UZH]

Networking Dinner

Thursday, January 26, 2023
Time: 19:30h

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 International Bone Research Association

IBRA is a financially independent, 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-to-date 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

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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

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