IBRA International Bone Research Association

Preliminary Program



IBRA Resident Course

Osteosynthesis of the Hand & Wrist

January 28 – 29, 2027
Irchel Campus
University of Zurich
Institute of Anatomy

University of Zurich[UZH]

Chairperson:
Prof. Dr. Maurizio Calcagni, Zurich, Switzerland

Foreword

Dear friends,

The treatment of hand and wrist fractures has advanced considerably in recent years, broadening our options while also presenting new challenges. Innovations in fixation materials, combined with an improved understanding of wrist biomechanics, have opened the door to novel surgical strategies and better clinical outcomes. Achieving optimal recovery, however, still relies on accurate diagnosis, careful treatment planning – whether surgical or conservative – the use of the most appropriate osteosynthesis technique, and a tailored rehabilitation protocol.

This course combines concise theoretical sessions with hands-on cadaveric workshops, offering participants an in-depth and practical view of the current state of the art in hand and wrist fracture management. Keynote lectures will further highlight critical aspects of fixation and reconstruction.

With a deliberately small group size and an internationally renowned faculty, the program is designed to foster constructive exchange, detailed case discussions, and personalized guidance through every step of the practical exercises.

We look forward to welcoming you to Zurich for what promises to be an inspiring and highly productive course.



Prof. Dr. Maurizio Calcagni
Zurich, CH

Faculty

Chairperson

Prof. Dr. Maurizio Calcagni, Zurich, CH

Faculty

To be announced (preliminary)

Thursday – January 28, 2027 (preliminary)

8:00 – 8:30	**Registration**
8:00 – 8:35	Welcome
8:35 – 8:40	IBRA Introduction
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
8:55 – 9:25	Treatment of proximal phalanx fractures
9:25 – 9:45	Endomedullary fixation of phalanges
9:45 – 10:05	**Coffee Break**
10:05 – 11:05	**Lab 1:** Horizontal fracture of the proximal phalanx (plating)
11:05 – 12:35	**Lab 2:** Horizontal fracture of the proximal phalanx (cannulated screws)
12:35 – 13:35	**Lunch**

Thursday – January 28, 2027 (preliminary)

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)
13:55 – 14:15	Complications in the treatment of finger fractures
14:15 – 15:05	**Lab 3:** Fracture of the 2nd metacarpal (fully threaded CCS)
15:05 – 15:55	**Lab 4:** Winterstein fracture first metacarpal
15:55 – 16:15	**Coffee Break**
16:15 – 16:35	Rehabilitation of finger fractures
16:35 – 16:55	Fractures involving PIP joints and PIP reconstruction (hemihamate to prosthetics)
16:55 – 17:00	Conclusion
19:30	**Networking Dinner**

Friday – January 29, 2027 (preliminary)

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

Friday – January 29, 2027 (preliminary)

13:20 – 17:40	**Session IV** **(Theory 60 min / Practice 180 min)**
13:20 – 14:20	**Lab 8:** Ulna Shortening
14:20 – 15:20	**Lab 9:** Fractures of the Distal Radius: palmar approach
15:20 – 16:20	**Lab 10:** Fractures of the Distal Radius: dorsal approach
16:20 – 16:40	**Coffee Break**
16:40 – 17:10	Arthroscopy distal radius fixation
17:10 – 17:40	Concepts for hand and wrist fracture malunions
17:40 – 17:45	**Conclusion and adjourn**

Registration via www.handflaps.org