IBRA International Bone Research Association

Program

IBRA Master Training Course

Realistic Treatment of Wrist Fractures

September 2 – 3, 2016
Institute of Anatomy
University of Cologne, Germany

Chairmen:
Prim. Dr. Wolfgang Hintringer
Dr. Radek Kebrle

Host:
Prof. Dr. Lars P. Müller

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Foreword

Dear friends

Complex injuries of the Wrist are technical challenges that require a prioritization of care. As part of a comprehensive primary care, the definitive recovery of soft tissue structures, bones and joints is strived for. Extensive reconstructions or plastic coverings are often secondarily required.

However, complex injuries of the upper extremity sometimes appear in the context of multiple injuries and require a quick, minimal invasive primary stabilization. The right timing and the good planning of the final reconstruction are the keys to success.

The Master Training Courses in Cologne represent an absolutely new course concept and are focused on exercises in a realistic clinical setting and practical relevance.

An intensive theoretical part with exciting case discussions on Friday evening will be followed by a practical part with pre-fractured specimens on Saturday. The cases are based on CT and X-ray images allowing the discussion of the best care strategy in small groups. The subsequent internal fixation of the fracture and the intact soft tissue will generate an active exchange between participants and instructors.

In conclusion, all groups will present their case and discuss it in common, allowing all participants to benefit from the experiences made by each other.

We look forward to welcoming you in Cologne for a memorable interactive Event.

Dr. med.
Wolfgang Hintringer
IBRA President

Dr. med.
Radek Kebrle

Prof. Dr. med.
Lars P. Müller
Host

General Information

Chairmen

Prim. Dr. Wolfgang Hintringer Vienna, AT
Dr. Radek Kebrle, Vysoke Nad Jizerou, CZ

Host

Prof. Dr. Lars P. Müller, Cologne, DE

Faculty
(in alphabetical order)
Dr. Mariusz Bonczar, Kraków PL, mariuszbonczar@gmail.com
Prim. Dr. Wolfgang Hintringer Vienna AT, w@hintringer.at
Dr. Radek Kebrle, Vysoke Nad Jizerou, CZ, radek.kebrle@seznam.cz
Dr. Alberto Lazzerini, Milano, IT, alberto.lazzerini@humanitas.it
Dr. Emmanouil Skouras, Cologne DE, emmanouil.skouras@uk-koeln.de
Dr. Christian Spies, Bad Rappenau DE, Dr.Christian.Spies@vulpiusklinik.de
Dr. Kilian Wegmann, Cologne DE, Kilian.Wegmann@uk-koeln.de

Friday – September 2, 2016

	Location **Lindner Hotel City Plaza** **Magnusstr. 20, D-50672 Cologne**	
16:45 – 17:00	**Registration**	
17:00 – 17:05	**Welcome**	***Wolfgang Hintringer*** ***Radek Kebrle*** ***Lars P. Müller***
17:05 – 19:00	**Radius Fractures Theoretical Part**	***Wolfgang Hintringer***
17:05 – 17:15	Fracture simulator – a story from Cologne	*Kilian Wegmann*
17:15 – 17:25	Anatomy and Biomechanics – what`s important?	*Wolfgang Hintringer*
17:25 – 17:35	Classification: The good, the bad and the ugly	*Radek Kebrle*
17:35 – 17:45	Locking plates – technical overview	*Medartis*
17:45 – 17:55	Locking plates – clinical relevance	*Christian Spies*
17:55 – 18:05	Palmar approach: tips and tricks	*Mariusz Bonczar*
18:05 – 18:15	Dorsal approach: when and how?	*Emmanouil Skouras*

Friday – September 2, 2016

18:15 – 18:25	Severe comminuted fractures – what can be done?	*Radek Kebrle*
18:25 – 18:35	Concomitant injuries (SL ligament and broken ulnar styloid) – when do they need treatment?	*Alberto Lazzerini*
18:35 – 19:00	**Kölsch Break**	
19:00 – 20:00	Clinical case discussion	*Wolfgang Hintringer*
20:15	**Dinner Brauerei Gilden im Zims**	

Saturday – September 3, 2016

Location
Institut II für Anatomie der Universität Köln, Gebäude 35
Joseph-Steltzmann-Straße 9, 50937 Köln
(for taxi please indicate house no. 65)
Transfer from Lindner Hotel City Plaza to the Institue of Anatomy is organized

8:30 – 15:15	**Radius Fractures Practical Part**	***Wolfgang Hintringer*** ***Radek Kebrle***
8:30 – 8:40	Medartis Implants and Instruments	*Medartis*
8:40 – 10:00	Case 1: All groups (instructor and 4 participants) receive a fractured specimen and x-ray/ CT and elaborate the case in the group	*All*
10:00 – 11:00	Presentation und Discussion Case 1	*Groups*
11:00 – 12:00	**Lunch**	
12:00 – 14:00	Case 2: All groups (instructor and 4 participants) receive a fractured specimen and x-ray/ CT and elaborate the case in the group	*All*
14:00 – 15:00	Presentation und Discussion Case 2	*Groups*
15:00 – 15:15	Summary and adjourn	*Wolfgang Hintringer* *Radek Kebrle*

General Information

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, Fax: +41 (0)61 319 05 19
info@ibra.ch, Website: www.ibra.ch

Registration Fees

IBRA Member	EUR 620	Non-Member	EUR 700

Registration Deadline: August 22nd, 2016

Accomodation

Participants may book a hotel room online via the registration link on the IBRA website.
Price for a single room including breakfast is EUR 129 per person/night.

Lindner Hotel City Plaza
Magnusstr. 20
D-50672 Cologne

Cancellation policy:

Rooms that are cancelled after 22.07.2016 are fully charged.

General Information

Methods of Payment

Credit Card VISA Master Card

Bank Transfer (EUR)	Bank J. Safra Sarasin AG, CH-4002 Basel
Account no.	6010055.4001
IBAN no.	CH17 0875 0060 1005 5400 1
Clearing no.	8750
SWIFT	SARACHBB

Refund Policy

All refunds must be requested in writing to the IBRA Administration Office. If written notification is received 3 weeks prior to the event, a full refund less a EUR 40 processing fee will be given. If written notification is received 10 days prior to the event, a refund of 50% of the registration fee will be given. For later notifications there will be no refunds. Refunds will not be given for non-attendance.

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 specialised 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 analyse the injury with the help of X-Ray and CT imaging. After the fracture classification, the surgeons discuss the approach and realise the surgical treatment. X-Ray images help to analyse 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 analyse individual sequences of injuries in order to design technical methods and to create realistic injuries.

Team members: Univ.-Prof. Dr. L. P. Müller, PD Dr. K. Burkhart, Dr. K. Wegmann, Univ.-Prof. Dr. G.-P. Brüggemann, Dipl. Ing (FH) K. Engel, M. Ebinger (M.Sc.), Robert Holz (M.Sc.).

The level-1 trauma center is led by Prof. Dr. med. Lars P. Müller, a national and international renowned trauma surgeon with specialty in upper extremity surgery.

Annually more than 250 surgeries focus on the pathologies of the elbow-joint.

Specific indications for elective procedures of the elbow joint are:

- Acute and chronic instability of the elbow (e.g. after dislocation or chronic overuse)
- Fracture dislocation
- Malunion
- Septic joint disease
- Rheumatic disease of the elbow
- Primary and secondary arthritis of the elbow
- Prosthetic replacement of the elbow joint / Total elbow replacement
- Prosthetic replacement of the radial head
- Temporary stabilization with external fixators and dynamic external fixators
- Reconstruction of the medial and lateral collateral ligament with autologous and allogenic transplant
- Congenital deformities
- Post-traumatic correction of deformities and nerve injuries

The institution has established its own cadaver laboratory, which offers the possibility to undertake macro-anatomic and biomechanical studies. Regularly research projects are conducted also in cooperation with external renowned institutes. For example, in cooperation with the Technical University Jülich, 3-D imaging and finite element analyses of the upper extremity and the spine are conducted to investigate biomechanical questions.

Moreover, the institution is part of the “CCMB”, the Cologne Center for Muscoskeletal Biomechanics. The Center was founded in 2013 as a scientific cooperation between the Medical Faculty of the University of Cologne and the German Sport University Cologne and is an interface between basic and clinical research with the purpose of a pragmatic translational research (“From bench to bedside and back”). The research focuses of the CCMB are musculoskeletal injuries and diseases. The center is composed of different institutes from both universities in order to concentrate expertise and to create synergies. The research of the diverse disciplines on musculoskeletal injuries and diseases will be collated complementing each other.

At the department we welcome fellows and exchange scientists on a regular basis. Research fellows from all over the world fulfill their doctorate and commit themselves to further research projects.

The young history of the institution is marked by patient oriented care, high-level surgical procedures and innovative as well as relevant research projects.

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-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.

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International Bone Research Association

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