IBRA International Bone Research Association

20 Years

Program

IBRA Basic-Intermediate / Fellow Course

Orthognathic Surgery

December 7 – 8, 2024
Tokyo, Japan

Chairperson:
Prof. Dr. Dr. Johannes Kleinheinz, Münster, Germany

Local Chairperson:
Prof. Dr. Akira Watanabe, Tokyo, Japan

Foreword

Dear Colleagues and Friends

It is our pleasure to invite you to our IBRA Seminar and Workshop on Orthognathic Surgery in Nihonbashi, Tokyo.

IBRA's seminar and workshop series launched in Japan in 2022, and we are delighted to host the 3rd IBRA Orthognathic Surgery course in Tokyo. Building upon the success of the previous two courses, we anticipate this session to be even more enriching and rewarding for all participants.

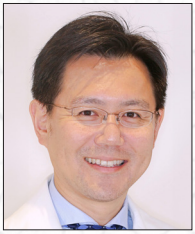
The program will focus on planning, treatment concepts, and surgical management as well as the optimization of aesthetic outcome. We will also encourage the participants and faculty to have interactive discussion through interesting clinical cases to develop close relationships.

The interactive hands-on approach of the course includes the evidence-driven techniques and promotes participants and faculty to share experiences and ideas, discuss challenging problems.

The hands-on workshop on bone model hosted by the eminent faculty will not only provide the latest technical details, but also the tips, and approaches to avoid pitfalls and complications.

We look forward to seeing you all at this unique and exciting event and to delivering you the maximum benefits throughout the course.

Sincerely



Prof. Dr.
Akira Watanabe

Prof. Dr. Dr.
Johannes Kleinheinz

Faculty

Chairperson

Prof. Dr. Dr. Johannes Kleinheinz, Münster, Germany

Local Chairperson

Prof. Dr. Akira Watanabe, Tokyo, Japan

Faculty International

Prof. Dr. Dr. Johannes Kleinheinz, Münster, Germany

Faculty National
(in alphabetical order)

Prof. Dr. Tomonao Aikawa, Hiroshima, Japan
Dr. Keisuke Sugahara, Tokyo, Japan
Prof. Dr. Masayuki Takano, Tokyo, Japan
Prof. Dr. Toshihiko Takenobu, Osaka, Japan
Prof. Dr. Akira Watanabe, Tokyo, Japan
Prof. Dr. Kensuke Yamauchi, Tohoku, Japan
Dr. Yoshihiko Yokoe, Kyoto, Japan
Dr. Shuji Yoshida, Tokyo, Japan

Saturday – December 7, 2024

	Location Congress Square Nihonbashi 3-13 Tokyo Tatemono Nihonbashi Bldg. Nihonbashi, Chuo-ku Tokyo	
8:30 – 9:00	**Registration**	
9:00 – 9:10	Welcome	*A. Watanabe*
9:10 – 9:25	IBRA Introduction	*S. Yoshida* *T. Hövekamp*
9:25 – 11:15	**Session I: General aspects in orthodontics / orthognathic surgery (120 min)**	***Y. Yokoe***
9:25 – 9:50	History of orthognathic surgery	*M. Takano*
9:50 – 10:15	Collaboration with orthodontist (diagnosis and planning)	*S. Yoshida*
10:15 – 10:40	Important aspects for 2D and 3D planning in orthognathic surgery	*M. Takano*
10:40 – 10:55	**Break**	
10:55 – 11:15	Surgery first – surgical aspects	*A. Watanabe*

Saturday – December 7, 2024

11:15 – 15:15	**Session II: Mandibular osteotomies (180 min)**	*T. Aikawa*
11:15 – 11:45	The technique of mandibular osteotomies (SSRO)	*S. Yoshida*
11:45 – 12:10	The technique of mandibular osteotomies (IVRO and others)	*Y. Yokoe*
12:10 – 12:35	Genioplasty, what is the patient-satisfying plan?	*K. Yamauchi*
12:35 – 13:25	**Lunch**	
13:25 – 14:00	Segment osteotomies and augmentation of the mandible	*T. Aikawa*
14:00 – 14:25	Which is better, semi-rigid or rigid? And about the need for flexible plates	*J. Kleinheinz*
14:25 – 14:50	Efficacy of distractor for advance cases in mandible	*T. Takenobu*
14:50 – 15:15	Precautions when selecting the material to be fixed in mandible (Ti or resorbable)	*Y. Yokoe*

Saturday – December 7, 2024

15:15 – 18:30	**Session II: Practical Part I (180 min)**	***K. Sugahara***
15:15 – 16:15	Sagittal split (semi rigid and flexible system)	*K. Yamauchi*
16:15 – 16:45	Genioplasty (rigid and resorbable plates)	*K. Sugahara*
16:45 – 17:00	**Break**	
17:00 – 18:30	Round Discusion with Cheese and Wine	*A. Watanabe*
	A Tips on orthognathic surgery	*T. Aikawa* *T. Takenobu* *J. Kleinheinz*
	B Failure cases and solutions	*K. Yamauchi* *A. Watanabe* *Y. Yokoe*
	C (The most important thing to consider when starting orthognathic surgery)	*K. Sugahara* *S. Yoshida*
18:30	Closing 1st day	*A. Watanabe*
19:00	**Networking Dinner**	

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:

Sunday – December 8, 2024

	Location Congress Square Nihonbashi 3-13 Tokyo Tatemono Nihonbashi Bldg. Nihonbashi, Chuo-ku Tokyo	
9:00 – 11:30	**Session III: Maxillary osteotomies (150 min)**	***T. Takenobu***
9:00 – 9:25	How to treat transversal deficiencies in the upper jaw	*M. Takano*
9:25 – 9:50	LeFort I a versatile and reliable osteotomy	*K. Yamauchi*
9:50 – 10:15	Segmentation of the maxilla – when and why	*K. Sugahara*
10:15 – 10:40	Efficacy of distractor for advance cases in maxilla	*T. Aikawa*
10:40 – 11:05	Precautions when selecting the material to be fixed in maxilla (Ti or resorbable)	*A. Watanabe*
11:05 – 11:30	Complications and limitation of movement in maxillary osteotomy	*K. Sugahara*

Sunday – December 8, 2024

11:30 –16:50	**Session IV: Practical Part II Specials (55 min)**	***K. Yamauchi*** ***A. Watanabe***
11:30 – 12:30	LeFort I Intermaxillary fixation (Ti and resorbable plates)	*A. Watanabe*
12:30 – 13:20	**Lunch**	
13:20 – 13:45	Prevention and treatment of mandibular condyle resorption	*T. Takenobu*
13:45 – 14:10	Orthognathic surgery in reduced dentition or edentulous jaws	*J. Kleinheinz*
14:10 – 14:35	TMJ aspects in orthognathic surgery and total joint replacement in Japan	*T. Aikawa*
14:35 – 15:00	Aesthetic procedures in orthognathic surgery	*T. Takenobu*
15:00 – 15:25	Psychological aspects in orthognathic surgery	*J. Kleinheinz*
15:25 – 15:50	Comparison of bimaxillary osteotomies and upper airway stimulation (hypoglossal nerve stimulation) in the treatment of OSA	*J. Kleinheinz*
15:50 – 16:50	Case discussion, final discussion and Q&A	*Y. Yokoe*
16:50	**Closing**	

General Information

Chairperson

Prof. Dr. Dr. Johannes Kleinheinz, Münster, Germany

Local Chairperson

Prof. Dr. Akira Watanabe, Tokyo, Japan

Organized by

IBRA - International Bone Research Association, Basel, Switzerland

Registration & Information

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info@ibra.net
www.ibra.net

Registration Fees incl. Tax

JPY 60,000
For IBRA Premium and Full Members 50% discounts

Registration Fee includes

December 7 + 8: Lunch and Drinks

Networking Dinner: included

Dress code: casual

Registration Deadline: October 15, 2024

General Information

Educational hours

Theoretical Part on Saturday, December 7 - 380 min

Practical Part on Saturday, December 7 - 90 min

Theoretical Part on Sunday, December 8 - 360 min

Practical Part on Sunday, December 8 - 60 min

Total: 14,5h

Target audience

Recommended for a surgeon who already has experience with Orthognathic Surgery and who is about to perform Orthognathic Surgery.

Main specialty of the event

Starting with classification of the injury or deformity, the faculty members share their preferred approach, treatment and follow-up of cases with basic to advanced difficulty.

Expected total number of participants

40

Educational needs

Dealing with challenging fractures and deformities, consultants request exchange through case discussions both theoretically and through surgeries. Beside state-of-the-art approaches, expert opinions and discussions are highly appreciated to scientifically elaborate improvements when dealing with difficult cases.

Expected educational outcomes

Extend common knowledge and skills and awareness of surgical techniques by exchanging less frequent or demanding cases of orthopedics and traumatology.

General Information

Nature of the event

The course offers ideal conditions for the introduction and consolidation of surgery techniques. Participants learn about current treatment concepts as well as new techniques on internal fixation. Experienced surgeons provide a theoretical insight into therapy concepts and will focus on clinical anatomy, fracture classification, approaches and last but not least, many case discussions. The workshops permit the attendees to apply the gained skills on anatomical bone models under directed instruction.

Methods to promote active learning

Multimedia presentations; time for question & answer sessions and discussion; workshops on anatomical bone models with helpful hints shown by faculty members.

International audience

Yes

Main language of the event

The course will be conducted in Japanese and English. Simultaneous translation will not be available.

General Information

Venue

Congress Square Nihonbashi
3-13 Tokyo Tatemono Nihonbashi Bldg.
Nihonbashi, Chuo-ku Tokyo
Japan

Networking Dinner

Time: 19.00h

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.

General Information

Support

The total cost of the event will be covered by membership fees, course fees and IBRA's own funds.
We would like to thank our sponsors Medartis and Gunze Ltd. for contributing in-kind support (material and logistics) without which this event would not be possible.

A special thanks to Medartis for providing 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.

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.

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 – 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.

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 Institute

BioSkills by IBRA International Bone Research Association

Empowering through excellence in medical education.

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