Program

AOCMF Course—Advances in Orbital and Periorbital Reconstruction (with Anatomical Specimens)

May 20–May 22, 2015    Vienna, Austria
Mission

Our mission is to continuously set standards in postgraduate medical education and to foster the sharing of medically guided expertise in a worldwide network of healthcare professionals to improve patient care in trauma or disorders of the musculoskeletal system.

The AO principles of fracture management

1. Fracture reduction and fixation to restore anatomical relationships.
2. Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.
3. Preservation of the blood supply to soft tissues and bone by gentle reduction techniques and careful handling.
4. Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.
Welcome

On behalf of AOCMF and your local and international faculty, I would like to welcome you to this AOCMF course.

AOCMF is a worldwide multi-specialty community that serves as the voice and professional resource for craniomaxillofacial trauma and reconstruction. Our organization creates a forum for specialists who have common interests and enthusiasm in this field. It is our goal to encourage and inspire younger surgeons, such as residents, fellows, and early practitioners to pursue fulfilling careers in our field.

Education has always been a major pillar in AOCMF. Currently, more than 2,500 surgeons participate in over 80 AOCMF courses held worldwide per year. AOCMF Education is committed to remaining in the forefront of education and new developments as we strive to improve your educational experience with us.

We hope that your experience with us over the next few days will result in the acquisition of new knowledge, skills and understanding, which will translate into an improvement in the care that you are able to give your patients.

We also hope that, after attending this course, you will wish to develop a longer term relationship with AOCMF and become a member of our community. Make this organization yours by bringing in your opinions and ideas. Enjoy the camaraderie of our network and help us maintain and expand the preeminent position that AOCMF enjoys worldwide.

Yours sincerely,

Warren Schubert
Chairman AOCMF International
Welcome

The orbit is probably the most challenging part for interdisciplinary work on different pathologies and deformities in the craniofacial skeleton. It is a key area for individual appearance and function of the visual sense, and it is a highly complex area of the facial skeleton. The advanced course on orbital and periorbital surgery will focus by lectures on reconstruction of the orbit in trauma at the first day and the second part will cover oncology and periorbital diseases. The third day will be a hands-on-cadaver laboratory training. It will provide a unique opportunity to perform the different approaches to the orbit and skull base region on non-fixated specimen. Additionally we will focus on virtual planning intraoperative imaging and navigation.

We hope to enrich the discussion around the field of orbital surgery, which proves to be one of the spearheads in the AOCMF, educational events and focus on the interdisciplinary work with the different specialties, working in the orbit region.

We look forward to welcoming you in Vienna, from May 20–22, 2015.

Yours sincerely,

Arnulf Baumann
Course Director
Target participants


Course description

This course is designed as a state-of-the art analysis of surgical challenges in the orbit region. This includes a focus, advanced discussion of the approaches to the orbit, materials and problems in trauma and post-traumatic deformities of the orbit. It will also cover the diagnosis and treatment of tumor and tumor-related diseases of the orbit and the skull base in an interdisciplinary treatment approach. The course consists of two parts as lectures, panel discussions on controversial topics and a hands-on cadaver laboratory training with additional computer assisted planning and navigation.

Course objectives

The main objectives are to:

- Present the current knowledge about orbital surgery in primary and secondary orbital reconstruction in traumatic conditions and in treatment of tumor diseases in the orbit region.
- Present the topics in an interdisciplinary approach.
- Demonstrate different materials, new procedures and developments in orbital reconstruction.
- Enhance surgical skills in a variety of orbit and skull base approaches in a dissection course part
- Hands-on workshops in computer-aided planning and navigation.
Course Director

Arnulf Baumann
Universitätsklinik für MKG-Chirurgie, Medizinische Universität Wien, Vienna, Austria

Course Chair

Nils-Claudius Gellrich
Medizinische Hochschule Hannover, Hanover, Germany

International Faculty

Joseph Gruss Seattle, United States of America

Regional Faculty

Carl-Peter Cornelius Munich, Germany
Christopher Mohr Essen, Germany
Alexander Schramm Ulm, Germany
Adrian Sugar Swansea, United Kingdom

National Faculty

Christoph Arnoldher Vienna, Austria
Karin Dieckmann Vienna, Austria
Guido Dornier Vienna, Austria
Andreas Kuchar Vienna, Austria
Julius Lukas Vienna, Austria
Christian Matula Vienna, Austria
Stefan Nemec Vienna, Austria
Michael Rasse Innsbruck, Austria

Guest Speaker

Majeed Rana Hannover, Germany
Ulf Liebegut Erlangen, Germany

Course organization

AO Foundation
AOCMF
Sarah Groves Clavadelerstrasse 8
7270 Davos, Switzerland
Phone +41 81 414 25 52
Fax +41 81 414 22 80
Email sarah.groves@aocmf.org
www.aocmf.org

CME accreditation

An application has been made to the UEMS—EACCME for CME accreditation of this event. The number of credit points or hours varies from country to country. The final information and number of credit points will be distributed with the course certificate.
### Wednesday, May 20, 2015

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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<tbody>
<tr>
<td>08:30–09:00</td>
<td>Registration</td>
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<tr>
<td>09:00–09:15</td>
<td>Welcome address, introduction of the faculty, AO history</td>
<td>A Baumann</td>
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<tr>
<td>09:15–09:45</td>
<td>Surgical anatomy of the orbit</td>
<td>C.P Cornelius</td>
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<tr>
<td>09:45–10:00</td>
<td>Radiological anatomy of the orbit and skull base</td>
<td>S Nemec</td>
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<tr>
<td><strong>Part 1</strong></td>
<td><strong>Orbital Trauma</strong></td>
<td><strong>Moderators:</strong> A Baumann, C.P Cornelius</td>
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<tr>
<td>10:00–10:20</td>
<td>Ophthalmological considerations in orbital trauma</td>
<td>G Dorner</td>
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<tr>
<td>10:20–10:40</td>
<td>Surgical considerations in orbital trauma repair: when and how?</td>
<td>A Baumann</td>
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<tr>
<td>10:40–11:00</td>
<td>COFFEE BREAK</td>
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<tr>
<td>11:00–11:20</td>
<td>Approaches to the orbit</td>
<td>C.P Cornelius</td>
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<tr>
<td>11:20–11:40</td>
<td>Different materials for orbital fracture repair</td>
<td>A Sugar</td>
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<tr>
<td>11:40–12:00</td>
<td>Reconstruction of complex orbital wall fractures</td>
<td>A Schramm</td>
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<tr>
<td>12:00–12:30</td>
<td>Special considerations for orbital fracture repair in pediatric patients</td>
<td>J Gruss</td>
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<tr>
<td>12:30–13:00</td>
<td>Discussion</td>
<td>All Faculty</td>
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<td>13:00–14:00</td>
<td>LUNCH BREAK</td>
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<tr>
<td><strong>Part 2</strong></td>
<td><strong>Orbital Trauma</strong></td>
<td><strong>Moderators:</strong> A Baumann, J Gruss</td>
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<tr>
<td>14:00–14:20</td>
<td>Naso-Orbito-Ethmoidal complex fractures management and telecanthus correction</td>
<td>C.P Cornelius</td>
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<tr>
<td>14:20–14:50</td>
<td>Planning in orbit trauma reconstruction</td>
<td>A Schramm</td>
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<tr>
<td>14:50–15:10</td>
<td>Complications and side effects of orbital fracture repair</td>
<td>A Sugar</td>
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<tr>
<td>15:10–15:30</td>
<td>Intraoperative 3D imaging with mobile C-Arms (Siemens)</td>
<td>U Liebegut</td>
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<tr>
<td>15:30–15:40</td>
<td>Discussion</td>
<td>All Faculty</td>
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<tr>
<td>15:40–16:00</td>
<td>COFFEE BREAK</td>
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<tr>
<td><strong>Part 3</strong></td>
<td><strong>Orbital Trauma – Reconstruction</strong></td>
<td><strong>Moderators:</strong> A Schramm, A Sugar</td>
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<tr>
<td>16:00–16:20</td>
<td>Follow-up of untreated orbital wall fractures: a second look</td>
<td>A Sugar</td>
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<tr>
<td>16:20–16:40</td>
<td>Lid lacerations, lacrimal pathway: ophthalmological aspects</td>
<td>A Kuchar</td>
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<tr>
<td>16:40–17:00</td>
<td>Computer assisted orbital reconstruction, navigation</td>
<td>A Schramm</td>
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<tr>
<td>17:00–17:20</td>
<td>Controversies in secondary orbital reconstruction: mesh vs. bone grafts vs. PSI</td>
<td>A Baumann</td>
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<tr>
<td>17:20–18:00</td>
<td>Panel discussion: Orbital Trauma</td>
<td>All Faculty</td>
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<tr>
<td>18:00</td>
<td>End of Day 1</td>
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## Thursday, May 21, 2015

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<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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<tbody>
<tr>
<td></td>
<td><strong>Orbital trauma</strong></td>
<td>Moderators: A Baumann, N C Gellrich</td>
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<tr>
<td>08:00–08:30</td>
<td>Ophthalmological aspects in secondary correction in the orbit, strabismus correction</td>
<td>G Dorner</td>
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<tr>
<td>08:30–08:50</td>
<td>Correction of soft tissue in orbital trauma</td>
<td>NC Gellrich</td>
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<tr>
<td>08:50–09:00</td>
<td>Discussion</td>
<td>All Faculty</td>
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<tr>
<td></td>
<td><strong>Tumor and tumor-like lesions in the orbit</strong></td>
<td>Moderators: C Mohr, A Baumann</td>
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<tr>
<td>09:00–09:20</td>
<td>Ophthalmological diagnostic considerations in orbital tumors</td>
<td>J Lukas</td>
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<tr>
<td>09:20–09:40</td>
<td>Radiological aspects in orbit/skull base tumors</td>
<td>S Nemec</td>
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<td>09:40–10:00</td>
<td>COFFEE BREAK</td>
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<tr>
<td>10:00–10:35</td>
<td>Overview of different tumor entities involving the orbit and surgical treatment strategies</td>
<td>C Mohr</td>
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<tr>
<td>10:35–11:00</td>
<td>Irradiation of the orbit region</td>
<td>K Dieckmann</td>
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<tr>
<td>11:00–11:30</td>
<td>Preservation vs. exenteration of the orbital content in orbital malignancies</td>
<td>C Mohr</td>
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<tr>
<td>11:30–11:50</td>
<td>Evisceration, exenteration, timing, Ophthalmological aspects</td>
<td>A Kuchar</td>
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<tr>
<td>11:50–12:20</td>
<td>Special considerations for orbital reconstruction in pediatric patients following tumor surgery</td>
<td>J Gruss</td>
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<tr>
<td>12:20–12:40</td>
<td>Oculoplastic approach in reconstruction of eyelids in tumor</td>
<td>A Kuchar</td>
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<tr>
<td>12:40–13:00</td>
<td>Discussion</td>
<td>All Faculty</td>
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<td>13:00–14:00</td>
<td>LUNCH BREAK</td>
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<td></td>
<td><strong>Tumor of the orbit/skull base</strong></td>
<td>Moderators: N C Gellrich, A Sugar</td>
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<tr>
<td>14:00–14:30</td>
<td>Primary and second reconstruction of the orbit region and skull base from neurosurgical aspect</td>
<td>C Matula</td>
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<td>14:30–15:00</td>
<td>Primary and second reconstruction of the orbit region from ENT aspect</td>
<td>C Arnoldner</td>
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<td>15:00–15:30</td>
<td>Primary and second reconstruction of the orbit region from CMF aspect</td>
<td>M Rasse</td>
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<tr>
<td>15:30–15:50</td>
<td>Discussion</td>
<td>All Faculty</td>
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<tr>
<td>15:50–16:00</td>
<td>COFFEE BREAK</td>
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<tr>
<td></td>
<td><strong>Tumor - like lesions in the orbit</strong></td>
<td>Moderators: C Mohr, A Schramm</td>
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<tr>
<td>16:00–16:20</td>
<td>Treatment of Orbital Cranial Fibrous Dysplasia</td>
<td>J Gruss</td>
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<tr>
<td>16:40–17:00</td>
<td>Ophthalmological aspects in treatment of Graves’ disease</td>
<td>G Dorner</td>
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<tr>
<td>17:00–17:20</td>
<td>Surgical treatment of Graves’ disease</td>
<td>NC Gellrich</td>
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<tr>
<td>17:20–17:40</td>
<td>Management of anophthalmos and microphthalmos</td>
<td>C Mohr</td>
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<tr>
<td>17:40–18:00</td>
<td>Craniofacial contouring for secondary deformities involving frontal bone, cranial vault, ant skull base and periorbital region</td>
<td>NC Gellrich</td>
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<tr>
<td>18:00–18:30</td>
<td>Panel discussion: Orbital Tumor</td>
<td>All Faculty</td>
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<td>18:30</td>
<td>End of Day 2</td>
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<tr>
<td>08:00–09:40</td>
<td>Hands-on image analysis, planning and navigation (Brainlab)</td>
<td>M Rana</td>
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<td>09:40–10:00</td>
<td>Technique for orbital floor revision</td>
<td>A Schramm</td>
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<td>10:00–10:20</td>
<td>COFFEE BREAK</td>
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<tr>
<td>10:20–10:30</td>
<td>Transconjunctival approaches</td>
<td>A Baumann</td>
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<td>10:30–10:40</td>
<td>Transfacial/Transcutaneous lower eyelid approaches</td>
<td>CP Cornelius</td>
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<td>10:40–13:00</td>
<td>Practical demonstration and dissection under faculty guidance (with specimen):</td>
<td>All Faculty</td>
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<td></td>
<td><strong>Workshop 1</strong></td>
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<td></td>
<td>– Transcutaneous incision and preparation of the orbicularis muscle</td>
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<td></td>
<td>– Transconjunctival incision / lateral cantholysis</td>
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<td></td>
<td>– Identification of the extraocular muscles</td>
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<td>– Orbital floor revision and inferior fissure identification</td>
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<td>– Orbital reconstruction with implant</td>
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<td>– Navigation and intraoperative control</td>
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<td>13:00–14:00</td>
<td>LUNCH BREAK</td>
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<tr>
<td>14:00–14:20</td>
<td>Medial canthal ligament fixation</td>
<td>CP Cornelius</td>
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<tr>
<td>14:20–14:30</td>
<td>Raising a coronal flap, anatomy of the scalp</td>
<td>CP Cornelius</td>
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<tr>
<td>14:30–16:00</td>
<td>Practical demonstration and dissection under faculty guidance (with specimen):</td>
<td>All Faculty</td>
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<td><strong>Workshop 2</strong></td>
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<td></td>
<td>– Corona incision with identification of the frontal branch and supraorbital</td>
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<td>nerves and pericranial flap</td>
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<td></td>
<td>– Preservation of the superficial temporal vessels</td>
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<td></td>
<td>– Medial canthal ligament fixation</td>
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<tr>
<td>16:00–16:20</td>
<td>COFFEE BREAK</td>
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<tr>
<td>16:20–16:40</td>
<td>Technical considerations in endoscopic and external approaches to the orbit</td>
<td>C Arnoldner</td>
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<td></td>
<td>and frontal sinus</td>
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<td>16:40–17:00</td>
<td>Refixation of soft tissue</td>
<td>N.C Gellrich</td>
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<tr>
<td>17:00–18:30</td>
<td>Practical demonstration and dissection under faculty guidance (with specimen):</td>
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<td><strong>Workshop 3</strong></td>
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<td>– External ethmoidectomy and identification of the periorbit</td>
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<td>– Endoscopic approach</td>
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<td>– Reconstruction of the anterior wall and osteosynthesis, bone grafts</td>
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<tr>
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<td>– Refixation of soft tissue</td>
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<tr>
<td>18:30</td>
<td>Closing remarks, evaluation, certificates and end of course</td>
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Course information

Accreditation info
An application has been made to the UEMS-EACCME for CME accreditation of this event

Evaluation guidelines
All AOCMF courses apply the same evaluation process, either ARS (audience response system) or paper and pencil questionnaires. This will help AOCMF to ensure that we continue to meet your training needs. In some regions, CME accreditation is dependent on the participant's evaluation results.

Intellectual property
Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved.

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.

The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

Security
Security check at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

No insurance
The course organization does not take out insurance to cover any individual against accidents, thefts or other risks.

Mobile phone use
Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Transportation
Not provided for participants

Dress code
Casual

Course language
English
Course venue

Venue: May 20-21, 2015 (lectures only) will be at:
Gesellschaft der Ärzte in Wien
Billrothhaus
Frankgasse 8
Vienna, Austria
Tel: 0043 1 405 47 77 www.billrothhaus.at

Venue: May 22, 2015 (wet lab) will be at:
Medical University Vienna
Anatomical Institute
Waehringer Strasse 13
Vienna, Austria http://www.meduniwien.ac.at

Course registration

Please register online at:
http://VIENNA0515.aocmf.org

Attention! The number of participants is limited to 20 participants (for the wet lab)!

Course fee

Euro 990 for all course
Euro 445 for lectures only

Includes coffee breaks, lunches, course material
Notes
AO Foundation
AOCMF Clavadelerstrasse 8, 7270 Davos, Switzerland
Phone +41 81 414 25 55, Fax +41 81 414 22 80, info@aocmf.org

Improving patient care worldwide

AOCMF membership

Participation in the AOCMF community guarantees life-long learning opportunities and continuous professional development

Logistics and support provided by an educational grant from DePuy Synthes.

AOCMF Videos
Make use of our multimedia teaching and learning materials

AOCMF Journal
Craniomaxillofacial Trauma and Reconstruction publishes primary and review articles covering all aspects of surgery of the head, face, and jaw. Available free of charge to all AOCMF members

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AO Surgery Reference
See surgical procedures explained step by step

Online access to scientific journals
Stay up to date on the latest practices and advancements in the field of craniomaxillofacial surgery

Online case discussions
Participate in the interactive exchange of professional opinions

AOCMF portal
Your window to the AO world
Witness the global reach of our CMF community

www.aocmf.org

Precondition
The prerequisite for becoming a part of the AOCMF membership community is attendance at one certified AOCMF education event

Membership types
AOCMF Affiliate (CHF 40) no prerequisite
AOCMF e-Member (CHF 40)
AOCMF Member (CHF 75)

Providing a common ground for excellence in craniomaxillofacial surgery