Excellence in facial surgery across the specialties

Discover the world of AOCMF

www.aocmf.org
Welcome to AOCMF

AOCMF is a multispecialty community, established in 1974, consisting of a worldwide network of clinicians from the fields of oral and maxillofacial surgery, plastic surgery, ENT, head and neck surgery, ophthalmology, and neurosurgery.

Alongside its strong focus on education, AOCMF Key Activities lie in the areas of community development, research and development, and the TK system.
The universal spirit of the AOCMF Community transcends borders and specialties, benefiting both patients and healthcare providers across the globe.

The AOCMF Member Community enjoys a broad recognition, with over 2,300 members coming together as an active forum that:

- **Offers** access to a dynamic global network of experts and peers who share common interests and enthusiasm in the field of CMF trauma and reconstruction.
- **Encourages and inspires** younger surgeons, such as residents, fellows, and early practitioners to pursue fulfilling careers and take leadership opportunities within the AOCMF Governance structure.
- **Provides** a mechanism for disseminating improved patient care standards by supplying meaningful educational materials throughout a surgeon’s career.

### Benefits

With AOCMF Membership, you benefit from a range of advantages, to keep you ahead in your field:

- Online access or a printed copy of “Journal of Craniomaxillofacial Trauma & Reconstruction” (JCMTR)
- Online access to nine current scientific journals on ScienceDirect
- Online access to the archives of 23 scientific journals on ScienceDirect
- Online access to AOCMF Teaching Videos
- Access to additional CMF material on AO Surgery Reference
- 25% discount on AOCMF’s Manual “Principles of Internal Fixation of the Craniomaxillofacial Skeleton—Trauma and Orthognathic Surgery”
- Ability to submit and participate in online case discussions in CaseBase
- 10% discount on all AO Publications
- Full access to the AOCMF Member Directory
  
  membership@aocmf.org
AOCMF Educational Offerings are varied and numerous: while face-to-face educational events remain the most important offering, the field of online learning is advancing quickly and has become very popular.

The first AOCMF Course was conducted in 1974. Since then, the number of educational events has rapidly increased to around 110 worldwide each year. Today, over 4,500 surgeons are trained in all regions by experienced AOCMF Faculty Members.
Planning Educational Events

Highly motivated event organizers from more than twenty countries coordinate with faculty members and industrial partners to organize AOCMF Educational Events worldwide.

To deliver high quality education worldwide and ensure timely, fair, and transparent planning within AOCMF, every single AOCMF Educational Event undergoes a series of planning steps before being realized.

### AOCMF Educational Event Planning (Annual Needs Assessment)
(Based on planning example for 2017)

<table>
<thead>
<tr>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>Educational event plans (needs assessment) defined by regional boards</td>
<td>Approval by AO</td>
<td>AO guidelines on regional targets</td>
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<tr>
<td>Planning of logistics (i.e. material for courses)</td>
<td>Approval by AOCMF International Board</td>
<td>Freezing Meeting</td>
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<td>Allocation of faculty</td>
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<td>Budgeting</td>
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<tr>
<td>Event organization</td>
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The planning of educational events may start over one and half years before the events take place. During the first phase of planning, several important approval steps are taken by AOCMF and its industrial partners. Then, after approximately twelve months of initial planning, the process evolves into a detailed organizational phase, which ends with the realization of the event.

### Event Organization

<table>
<thead>
<tr>
<th>6 months before</th>
<th>4 months before</th>
<th>1 day before</th>
<th>Event</th>
<th>1 day after</th>
<th>2 weeks</th>
<th>4 weeks</th>
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<tbody>
<tr>
<td>Course Director</td>
<td>Faculty</td>
<td>Event date</td>
<td>Faculty</td>
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<tr>
<td>Scientific Program</td>
<td>Event</td>
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<td>incl. faculty assignments</td>
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<td>Faculty</td>
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<tr>
<td>Course Coordinators and Organizers</td>
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<tr>
<td>Pricing and Registration</td>
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<tr>
<td>Educational Events Logistics</td>
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<tr>
<td>Compliance Check</td>
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<td>Participant Evaluation Forms</td>
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<td>Promotion</td>
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Sponsored Fellowships

A unique experience for surgeons

The AOCMF Fellowship Program provides a gateway to the worldwide AOCMF Network, offering a unique opportunity for surgeons to advance their training and gain expertise. Through the fellowship, cross-pollination and networking opportunities with other CMF specialties across AO’s Global Community are fostered. The training, which takes place under the guidance of AO Experts, covers the entire scope of CMF surgical procedures being performed around the world.

Eligibility
- Surgeons who have either completed one certified AOCMF Principles Course or an AOCMF Advanced Course are eligible to apply.
- AOCMF Membership is requested.
- Due to the high demand for fellowships, spaces are limited, and not all applicants may be selected. AOCMF recommends applicants to apply 8–12 months before the requested fellowship period.

Organization
AOCMF places approximately 50 fellows on a yearly basis, which is handled by the AOCMF Fellowship Program Chairman and an AOCMF Employee. All applicants will receive a response. Accepted fellowship applicants will receive a confirmation by AOCMF, and be put into contact with the host clinic.

Duration
Applicants can select a fellowship program lasting between 4 to 8 weeks.

Funding
Fellows will receive funding to cover their accommodation and meals. The fellow is responsible for all travel expenses.

AOVMF Host Clinics
AOVMF Host Clinics are located around the world: Germany, Austria, Switzerland, United Kingdom, Spain, Chile, Mexico, USA, Iran, China, Hong Kong, Taiwan, and India.

fellowship@aocmf.org

2014: The most fellows applied from Nigeria, followed by India, the Philippines and Brazil.
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Curricula

A framework for educational planning

AOCMF’s high quality approach to educational offerings contributes significantly to the AO’s goal of improving patient care. In order to achieve the highest quality, and to have the greatest educational impact, AOCMF is in the process of applying curricula to ensure competency based educational activities.

AOCMF Education applies a structured planning process to developing curricula.

Curriculum Development Education Taskforce (CDET)

The CDET is responsible for developing a new curriculum, which means building new competency based course content for a specific target audience. The CDET consists of four international program editors, AOCMF Surgeons from around the world mandated by the AOCMF International Board. The chairperson of each AOCMF Region acts as a regional program contributor and subsequently reviews the CDET’s work to ensure the curriculum can also be implemented in their region.

Curriculum Implementation

After approval by the AOCMF International Board all resources required to implement the new program have to be defined or developed. Course and faculty support material are essential for launching the new curriculum. This may include:

- A specific course package for faculty and organizer with: implementation guide for course chairs, program templates, list of practical exercises, case library to run small group discussions, standardized lecture on the AO’s History, AOCMF and AOCMF Membership, faculty guides and checklists.
- Learning resources for participants: AO Surgery Reference, prerecorded webinars, webcasts, online videos, books and book chapters.

Specific faculty training programs can support a smooth implementation of the new curriculum. All parties involved in the organization of an educational event have to be informed and briefed, as their work may also be impacted by the new curriculum.

How is a new standardized program for an educational event developed?

1. Patient problems and a target audience are identified, and the competencies developed.
2. Learning objectives are defined, appropriate to the intended level of outcomes.
3. Appropriate educational methods (lectures, case discussions, practical exercises) are defined.
4. Modules are built and timings proposed.
5. The newly established program is shared with the international program editors for review and feedback.
6. The CDET reviews existing resources and makes a recommendation for new educational resources (e.g. a new teaching video).
7. The AOCMF International Board approves the new program and decides on new educational resources.
Educational Resources

**AOCMF is very active in producing a variety of educational resources**

**The AOCMF Manual**

*“Principles of Internal Fixation of the Craniomaxillofacial Skeleton”* – The AOCMF Manual was launched in September 2012. Through its pioneering approach, the manual showcases the most recent surgical advances and latest developments in CMF surgery.

**Publications**

The “*Journal of Craniomaxillofacial Trauma & Reconstruction*” (JCMTR) covers the interests of specialists working in dentistry, facial plastic surgery, neurosurgery, ophthalmology, oral and maxillofacial surgery, otolaryngology, plastic and reconstructive surgery, and trauma surgery.

With *ScienceDirect*, AOCMF grants its members access to diverse journals, as well as current and archived issues.

**AO Dialogue** serves as the newsletter for the AO Surgeon Network, providing information from across the AO Foundation.

The *TK System Innovations magazine* compiles the latest AO-approved products and treatment techniques, in accordance with AO’s Philosophy.

**CaseBase**

AOCMF offers a platform for members to post and discuss clinical cases. This tool improves outcomes through knowledge sharing and communication. Together with other AOCMF Colleagues, solutions to problems can be proposed.

**Surgery Reference**

This online reference tool is a huge repository of surgical knowledge, consisting of more than 7,000 pages, detailing hundreds of procedures and approaches, with illustrations, photos, videos, and clinical reports. It is highly popular among surgeons and the most used online educational tool. It is accessible via the AOCMF Website and as an app for mobile phones.

**Videos**

In collaboration with the AO Education and Visual Media team, AOCMF produces multimedia teaching and learning materials, live-webcasts, and event coverage for educational purposes worldwide.

**AOCMF Classification System**

The new comprehensive AOCMF Classification System for fractures in the adult craniomaxillofacial skeleton is organized into anatomic modules. This allows for a systematic fracture classification following a step-by-step hierarchical approach. Using this approach, the level of complexity is adjusted according to the user’s clinical needs and a classifier software supports the clinician. The system is available via the AOCMF Website.

**NEW—INSIGHTS CMF App**

AOCMF and Medical Insights AG have teamed up to create INSIGHTS CMF, an iPad app that keeps surgeons and clinical experts up-to-date on the latest CMF studies, scientific articles and publications, training programs, congresses and events. It is a one-stop source for CMF information.

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**Are you interested in contributing to the Journal of Craniomaxillofacial Trauma & Reconstruction (JCMTR)?**

Publish in the JCMTR, and:

- Take advantage of the rapid turnaround time from submission to publication
- Benefit from free color illustrations and artwork
- Have your article listed in PubMed
- Build your reputation as an author in your community and beyond!

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For further information, please visit our homepage: [www.aocmf.org](http://www.aocmf.org) or contact info@aocmf.org
Excellence in Teaching

Learn, share and grow with us

The AO Foundation is renowned for its dedication to Continuing Professional Development (CPD), offering surgeons around the world high quality courses, delivered by exceptional faculty. At AO, faculty development aims at fostering and supporting faculty to provide the best possible teaching at clinical educational events.

AO Faculty Development Programs

Through the AO Faculty Development Programs, experienced, interested surgeons and clinical experts can develop their skills and become AO Faculty Members, serving as teachers and educational experts for AO’s Clinical CPD Educational Events.

Through these programs, you will receive:
• The tools and training needed to become a teacher or educational expert, able to provide the best teaching experience possible
• The theoretical understanding and practical skills required to lead to an effective educational event
• Opportunities to challenge one’s self while advancing one’s career

How to become AOCMF Faculty?

To be eligible as internationally recognized AOCMF Faculty, you need to:
• Be an AOCMF Member
• Be experienced in teaching at AO Educational Events
• Submit the AOCMF Faculty Application Form including two recommendation letters from other AOCMF Members, Faculty Members or Board Members

Your application is then discussed at the next AOCMF Regional Board Meeting.
How AO’s Faculty Development Programs can benefit you

Do you wish to contribute meaningful knowledge, skills, and hopefully translate this into improved patient care? Depending on your level of experience and interest, one of the following faculty development programs may provide an excellent opportunity for you:

**Faculty**
Faculty members deliver high impact lectures, lead interactive discussion groups, and instruct at practical exercise tables.

**Faculty Education Program (FEP)**
5 weeks online precourse, 1.5 day face-to-face workshop, 1 week online follow-up

**Requirements**
- AOCMF Faculty
- Assigned as faculty to an AOCMF Educational Event within 3-6 months upon FEP completion
- Recommendation by the AOCMF Board of your region
- Good working knowledge of the language the FEP is being taught in

**Course Chairperson**
Chairpersons adjust, lead, and manage principles and advanced level educational events based on educational principles and learners’ needs.

**Course Chairperson Training Program (CTP)**
5 weeks online precourse, 1.5 day face-to-face workshop, 1 week online follow-up

**Requirements**
- AOCMF Faculty
- Assigned to an AOCMF Educational Event
- Completed the FEP or equivalent
- Good English skills (spoken and written)
- Experienced faculty who have demonstrated success in teaching
- Highly motivated to take on this role
- Actively involved in national/regional education activities

**Educational Leader**
Educational leaders are familiar with the education concepts of the AO and develop new course curricula and/or assume leadership roles in AO Boards and Taskforces.

**Educational Leadership Program (ELP)**
5 weeks online precourse, 4 day face-to-face workshops, 1 week online follow-up

**Requirements**
- AOCMF Faculty
- Highly motivated
- Actively involved in regional education activities
- Completed an Faculty Education Program (FEP), or equivalent
- Good English skills (spoken and written)
- Participants also have to satisfy at least one of the following criteria:
  - Assigned to an advanced level educational event
  - AOCMF Board or Commission Member (regional or international)

**Regional Education Team (RET)**
Regional Education Teams plan, conduct and adjust the FEPs in their region. They monitor the faculty performance and are the key quality education force within the regions.

**Regional Education Team Training (RETT)**
5 weeks online precourse, 1.5 day face-to-face workshop, ongoing continuity of practice

**Requirements**
- AOCMF Faculty
- Completed the FEP and the ELP or equivalent
- Excellent English skills (spoken and written)
- Strong commitment to quality education, teaching expertise, and credibility
- Nomination by the AOCMF Board of the Region and approved by the AOCMF International Board

Kindly note that all faculty development programs are by invitation only. If you are interested, please contact the AOCMF Office faculty@aocmf.org
Research & Development

AOCMF’s Research and Development (R&D) activities aim to produce new findings and develop them into practice so that they impact the clinical care of craniomaxillofacial injuries. This is in accordance with AO’s Mission to achieve more effective patient care worldwide.

AOCMF’s Strategic Research Areas
- Bone defects/healing
- Fracture treatment
- Clinical planning
- Clinical outcomes

<table>
<thead>
<tr>
<th>Point of definition</th>
<th>Short-term strategy</th>
<th>Mid-term strategy</th>
<th>Long-term strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>(three years from point of definition)</td>
<td>(five years from point of definition)</td>
<td>(five years plus from point of definition)</td>
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<tr>
<td>• Development of a clinical outcome tool</td>
<td>• Facial fracture outcome studies</td>
<td>• Bone regeneration and tissue engineering</td>
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<tr>
<td>• Outcome of mandible fracture treatment</td>
<td>• Studies related to bone inflammation</td>
<td>• Intraoperative bone reconstruction</td>
<td></td>
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<tr>
<td>• Translational studies related to bone healing and regeneration</td>
<td>• Infection e.g. osteonecrosis</td>
<td>• Research related enhancement of bone fracture healing</td>
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<tr>
<td></td>
<td></td>
<td>• QoL (Quality of Life) facial fractures</td>
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<tr>
<td></td>
<td></td>
<td>• Creation of a database for validated data of outcome studies</td>
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</table>

Clinical Priority Program (CPP)
The CPP focuses on identified key areas. Open calls for proposals are advertised on the AOCMF Website.

A current CPP area is:
Anti-osteoclastic drugs and their impact on maxillofacial and orthopedic bone biology, disease, diagnosis, prevention, surgery, and treatment modalities (ARONJ).

CPP activities:
- International ARONJ Conference, taking place on September 12, 2016, in London (UK)

Current ARONJ projects:
- Prevention and treatment of ARONJ using blood-derived endothelial progenitor cells
- Large animal model for antiresorptive drug induced osteonecrosis of the jaw
- Prevention of bisphosphonate related osteonecrosis of the jaws using a novel tissue engineering strategy
- Bisphosphonate-related osteonecrosis of the jaw—the role of soft tissue healing
AOTK System

In close collaboration with its industrial partners, the AO Foundation constantly develops new operation techniques, implants, and instruments under the medical guidance of independent surgeons.

The AOTK System is an organization of medical-technical committees and is responsible for the development and clinical testing of new devices as well as their educational concepts. It consists of Specialty Technical Commissions and various Expert Groups in which around 120 surgeons work together with engineers on the solution of clinical problems. For AO CMF specifically, the AOTK CMF oversees Expert Groups in craniofacial, facial trauma & reconstruction.

Recently developed products of the AOTK CMF include: the MatrixWAVE MMF plate (an adjustable device for precise maxillomandibular fixation); patient-specific orthognathic plates; a ratcheting mechanism for CMF distractors; an injectable resorbable plate fastener system for craniofacial trauma and reconstruction; MatrixNEURO Preformed Mesh (anatomically contoured rigid mesh implant for the reconstruction of medium to large cranial defects) and SYNTHECEL Dura Repair, a dural substitute based on biosynthesized cellulose technology.

Clinically guided development with industrial partners

Proven by evidence

Analyze first outcomes

Driven by excellence

Identify the clinical problem, strive for solution

Created by experience

Up-to-date development process with industrial partners
Governance and International Structure

The AOCMF International Board is responsible for overseeing and coordinating the strategy, and all the functions and activities, of the AOCMF Clinical Division globally.

On a regional level, the five regional boards (Asia Pacific, Middle East, Latin America, Europe, and North America) are responsible for overseeing and planning the full range of activities in the field of education. In addition, they provide regional input to the respective commissions for community development and research. The three AOCMF Commissions are responsible for establishing standards, coordinating and leveraging ideas, and ensuring best practice transfer between the regions in the fields of research and development, community development, and the TK System. The boards and commissions are composed of elected representatives and comply with the AO Foundation’s code of ethics and shared values.
Excellence in facial surgery across the specialties

AOCMF membership

Participation in the AO CMF community guarantees life-long learning opportunities and continuous professional development.

AOCMF Videos
Make use of our multimedia teaching and learning materials

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 Journal
Craniofacial 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

AO Publications
Take advantage of special discounts and free offers for AO CMF members

AO Surgery Reference
See surgical procedures explained step by step

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

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

Providing a common ground for excellence in craniomaxillofacial surgery

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