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Preliminary Course Program

AOCMF Course—Maxillofacial Trauma

September 21-22, 2014 Prague, Czech Republic

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



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,



A handwritten signature in black ink that reads "Warren Schubert". The signature is fluid and cursive.

Warren Schubert
Chairman AOCMF International

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Goal of the course

The AOCMF Course—Maxillofacial Trauma will teach the theoretical principles of the operative treatment of the craniomaxillofacial fractures and their complications, considering state-of-the-art craniomaxillofacial osteosynthesis in traumatology and reconstructive surgery.

Target participants

All those who deal with musculoskeletal head and neck disorders concerning trauma, reconstruction as well as congenital and acquired deformities of the craniofacial skeleton.

Course objectives

After the course, participants should be able to:

- Understand the biology of bone healing and how it is affected by fracture treatment
- Understand how the interaction of biomechanics and biology influences decision making in fracture management
- Know appropriate methods to diagnose fractures, know the indications for open or closed treatment of fractures and be familiar with surgical approaches to the facial skeleton
- Discuss the problems, complications and intraoperative difficulties that can result from international fixation
- Be able to comprehend pre-operative planning methods and outcome analysis
- Demonstrate psychomotor skills in the practical application of implants to artificial bones

Course description

Topics of the course will be taught in three main ways. Comprehensive lectures will concentrate on the understanding of core material. Practical sessions will teach the application of AO principles to the management of common injuries. Video demonstrations will be used to supplement the practical exercises. Discussions will be held throughout the course to link the lecture material and practical skills taught with the problems encountered by the course participants in their individual practice.

Course Director

Aleš	Vesnaver	Ljubljana, Slovenia
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Local Chairman

Daniel	Hrusak	Plzen, Czech Republic
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International Faculty

Warren	Schubert	St. Paul, Minnesota, USA
Michael	Grant	Baltimore, Maryland, USA

Regional Faculty

Muriel-Fabienne	Brix	Nancy Cedex, France
Daniel	Danielsson	Stockholm, Sweden
Tadej	Dovšak	Ljubljana, Slovenia

Sunday, September 21, 2013

	LOCATION:CONGRESS CENTER PRAGUE	
TIME	AGENDA ITEM	WHO
9:00 – 9:30	REGISTRATION	
9:30 – 9:45	Welcome address, introduction of the faculty, course objectives	
9:45 – 10:05	AO History, structure and membership	
Module 1	General Principles	
10:05 – 10:25	Bone biology and bone healing	
10:25 – 10:45	Diagnostic procedures, application principles of implants and Instrumentation	
10:45 – 11:05	Biomechanics of mandible, mandible fracture pattern and classification	
11:05 - 11:25	COFFEE BREAK	
11:25 – 11:40	IMF and principle of occlusion	
11:40 – 12:30	Practical exercise 1: IMF Colibri drill	
Module 2	Mandible Fractures I	
12:30 – 12:50	Surgical approaches to the mandible	
12:50 – 13:10	Osteosynthesis techniques in the mandible 1. Lag screws 2. Position screws 3. Load bearing osteosynthesis 4. Load sharing osteosynthesis	
13:10 - 13:30	Treatment of symphyseal and parasymphyseal fractures	
13:30 - 14:30	LUNCH	
Module 3	Mandible Fractures II	
15:45 - 16:05	Treatment of angular and lateral body fractures of the mandible	
16:05 – 16:25	Treatment of condylar and subcondylar fracture	

16:25-16:45	COFFEE BREAK	
16:45-18:05	Practical exercise 3: Miniplate osteosynthesis in the mandibular angle 2.4 plate osteosynthesis in the mandibular angle	
18:05–18:45	Questions and answers	

Monday, September 22, 2014

Module 4	Mandible	Moderators:
08:30 - 08:50	Osteosynthesis in bone with reduced quality: atrophic mandibles, comminutes and defect fractures	W Schubert
08:50 – 09:10	Complication in mandibular fracture	W Schubert
09:10 – 10:30	Practical exercise 4: Load bearing fixation of a comminuted mandible fracture	
10:30 – 10:45	COFFEE BREAK	
Module 5	Midface	
10:45 – 11:00	Biomechanics of the midface, midface fracture patterns, classification	
11:00 – 11:20	Surgical approaches to the midface	
11:20 – 11:40	Zygomatic fractures: Fracture patterns, limited versus extended approaches	

11:40 – 12:00	Maxillary fractures: Isolated Le Fort Fractures Treatment Principles	
12:00 - 12:20	NOE and orbital wall fractures	
	Lecture above splittet in 2 lectures	
	Complex midfacial and panfacial fractures	
13:55– 14:55	LUNCH	
14:55 - 15:15	Frontal sinus fractures	
15:15 –15:35	Maxillofacial injuries in the growing skeleton	
15:35–16:35	Discussion groups : 3 groups <ul style="list-style-type: none"> - Complication in mandible fractures - Condyle fractures - Load bearing, load sharing Participants divided in 3 groups. Each topic 20 minutes.	Group 1: Group 2 : Group 3:
16:35 – 17:00	Closure	
17:00	End of course, certificates	

Course organization

AO Foundation

AOCMF

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Course logistics

Industrial Partner

DePuy Synthes

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Course information

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 absolutely forbidden.

Security

Security check will be conducted 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 any insurance to cover any individual against accidents, thefts or other risks.

Mobile phone

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

Prague Congress Center

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<http://www.kcp.cz/en/homepage>