

Preliminary Course program

AOCMF Symposium—3D and 4D image-guided craniomaxillofacial surgery

March 5 – March 6, 2015, Geneva, Switzerland

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".

Warren Schubert
Chairman AOCMF International

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Goal of the course

The present course will teach the theoretical basis and practical principles of the virtual pre-operative planning workflow, CAD/CAM technology and navigation guidance in traumatology, orthognathic and reconstructive surgery.

Target participants

Experienced craniomaxillofacial surgeons.

Course objectives

Virtual planning of mandibular resection, individualized free flap from the fibula and mandibular patient specific plates. Virtual planning of maxillo-mandibular osteotomies, stereolithographic surgical splints and patient specific plates.

Course description

The symposium will illustrate and teach the different steps of the 3D virtual computational planning: workflow in the management of craniomaxillofacial deformities, tumors and trauma, basic principles of navigation surgery, CAD/CAM technology and robotics.

Chairpersons



Prof. Paolo Scolozzi
Chef de Service
Service de Chirurgie Maxillo-Faciale et de Chirurgie Buccale
Département de Chirurgie
Hôpitaux Universitaires de Genève
Rue Gabrielle Perret-Gentil 4
1211 Genève 14
Suisse

Faculty Regional

Georges	Bettega	Grenoble, France
Giovanni	Gerbino	Torino, Italy
Thomas	Schouman	Paris, France

Faculty National

Philipp	Jürgens	Bâle, Switzerland
Hans-Florian	Zeilhofer	Geneva, Switzerland
Andrej	Terzic	Geneva, Switzerland

Course organization

AO Foundation

AOCMF

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Day 1, March 5, 2015

TIME	AGENDA ITEM	WHO
08:30 – 08:45	Welcome address faculty, course objectives	P Scolozzi
08:45 – 09:30	OsiriX: 3D/4D/5D imaging open source software	O Ratib
09:30 – 10:15	Basic principles of CBCT scan and MRI imaging	M Becker
10:15 – 10:45	COFFEE BREAK	
10:45 – 11:45	Basic principles of computer-assisted surgery (CAS)	P Scolozzi
11:45 – 12:30	3D stereophotogrammetry: morphological simulation for orthognatic surgery	A Terzic
12:30 – 12:45	Discussion	All Faculty

12:45 – 14:15	LUNCH BREAK	
14:15–15:00	Basic principles of Patient Specific Implants (PSI)	P Scolozzi
15:00–15:45	Single-Step resection and Reconstruction Using Patient-Specific Implants	G Gerbino
15:45 – 16:15	COFFEE BREAK	
16:15 – 16:45	Virtual planning in reconstructive surgery	T Schouman
16:45 – 17:30	Virtual 3D planning in orthognathic surgery	P Scolozzi
17:30 – 18:00	Discussion	All Faculty
18:00	End of Day 1	

Day 2, March 6, 2015

TIME	AGENDA ITEM	WHO
08:30–09:00	Basic principles of imaging and intraoperative navigation	P Scolozzi
09:00–10:00	From the multidimensional planning to the real time intra-operative navigation	H-F Zeilhofer
10:00–10:30	COFFEE BREAK	
10:30–11:00	“Hybrid” operating unit: “all in one concept” (Video)	P Scolozzi
11:00 – 11:30	“Mirroring” Computational Planning in treatment of midfacial fractures	P Scolozzi
11:30–12:15	Navigation guidance in orthognathic surgery	G Bettega
12:15 – 12: 45	Discussion	All Faculty
12:45 – 14:15	LUNCH BREAK	
14:15–15:00	Virtual reality and robotics I	P Jürgens
15:00–15:45	Virtual reality and robotics II	P Jürgens

15:45–16:15	COFFEE BREAK	
16:15–16:45	Virtually planned 3D prebent plates in orthognathic surgery	T Schouman
16:45 – 17:30	Custom made TMJ prosthesis	G Gerbino
17:30 – 18:00	Discussion	All Faculty
18:00 – 18:15	End of the course and certificates	All Faculty

Course logistics

Industrial Partner

DePuy Synthes

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4528 Zuchwil, Switzerland

Phone +41 32 726 58 45

Email hkueng@its.jnj.com

www.depuysynthes.com

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. Check hazards and legal restrictions on www.aofoundation.org/legal. 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. Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is absolutely forbidden.

Accreditation

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

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
Le Cénacle
17, promenade Charles-Martin
1208 Genève
Phone +41 22 707 08 30
www.cenacle.ch

Course fee

CHF 790.00
Including course bag, coffee break, lunch, certificate.