

Event program

AOCMF Seminar—Advances in Computer Assisted Surgery

June 10-11, 2017, Keelung, Taiwan



Excellence in
facial surgery
across the
specialties

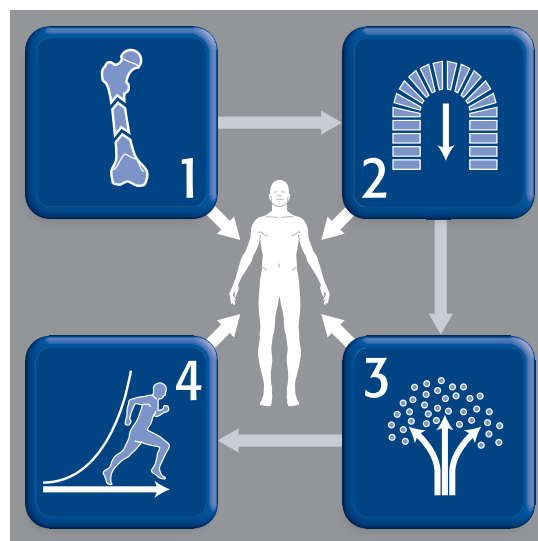
Mission

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

Fracture reduction and fixation to restore anatomical relationships.

Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.



Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.

Preservation of the blood supply to soft tissues and bone by gentle reduction techniques and careful handling.

Welcome from International Chair AOCMF

On behalf of AOCMF (the craniomaxillofacial clinical division of the AO Foundation), it is my pleasure to personally welcome you to this course. Each year, AOCMF provides over 110 educational opportunities to more than 4,500 passionate surgeons worldwide.

The mission of AOCMF is excellence in facial surgery across the specialties. We encourage the involvement of all interested professions, including oral and maxillofacial surgery, plastic surgery, ENT, oculoplastic surgery, and neurosurgery. To achieve our mission, we are committed to remaining at the forefront of education and new developments, by offering remarkable learning and networking experiences focusing on craniomaxillofacial trauma and reconstruction.

Through our courses, membership program, and our website, our goal is to encourage and inspire surgeons—including residents, fellows, and practitioners—to pursue fulfilling careers in our field. In addition, we endeavor to provide lifelong learning opportunities and career development options for more experienced specialists in the most appropriate and useful ways as their needs evolve.

Your role is vital to improving patient care. We hope that your experience with our faculty, chairs, and your peers over the next few days will bring new knowledge, skills, and understanding that you can directly apply to your own practice. We look forward to your participation and encourage you to share your ideas, unique perspectives, and opinions, to help build and enhance our dynamic community, and contribute to the further development of craniomaxillofacial surgery.

I wish you an outstanding learning experience.

Yours sincerely,



Warren Schubert, MD
Chairperson
AOCMF, International Board

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Welcome from AOCMF Asia Pacific

Dear colleagues,

The multispecialty organization—AOCMF Asia Pacific—includes 13 countries in the region. It is steadfast in its commitment to serve as the voice and resource for surgeons in the field of CMF reconstruction and trauma.

Numerous courses, seminars, workshops, and symposia on basic and advanced CMF principles have been organized and conducted by the organization—educating surgeons, benefiting patients, and improving the quality of CMF healthcare. Therefore, it is with great pride and pleasure that I warmly welcome you to another such educational activity organized by the AOCMF Asia Pacific.

On behalf of our organization, I thank all international, regional, and local faculty members, and staff for their time and expertise put in to pave the way to the realization of this event. My utmost gratitude, likewise, goes to the industry providers and healthcare institutions for their logistical support and cooperation. I would also like to take this opportunity to congratulate the organizing committee for coming up with a relevant and state-of-the-art scientific program that will definitely stimulate the minds of all attendees—regardless of their personal specializations.

A note to the participants: I am confident that this excellent event will equip all the participants with current information and will enhance your skills.

I am sure that everyone will enjoy the networking and fellowship programs and form new and lasting friendships.

Last but not least, as you journey through your surgical career, I encourage you to join the AOCMF community. We are always ready to welcome keen minds as members and even as future faculty.

Thank you.

Sincerely yours,



Francis V Roasa, MD
AOCMF Asia Pacific Chair

Seminar description

This advanced seminar in computer-assisted surgery will include lectures covering craniofacial, orbital reconstruction, mandibular reconstruction, midface reconstruction, orthognathic surgery (OGS) and facial aesthetic and presented by distinguished international, regional and local speakers. They will review current computer-assisted surgery technology, and how to plan CMF surgeries by computer-assisted technology. Special emphasis will be given to modern three-dimensional planning and printing.

Target participants

Enrollment is open to practicing surgeons, residents and fellows in oral and maxillofacial surgery, plastic surgery, otolaryngology surgery, facial plastic and reconstructive surgery, and other surgical specialties.

Learning objectives

At the conclusion of this seminar, participants should be knowledgeable about:

- Computer-assisted surgery in craniofacial reconstruction
- Computer-assisted in orbital reconstruction
- Computer-assisted surgery in mandibular reconstruction
- Computer-assisted surgery in midface reconstruction
- Computer-assisted planning for OGS and facial aesthetic

Course Director



Chien-Tzung Chen
Keelung Chang Gung Memorial
Hospital
Keelung, Taiwan

Course Chair



Philip KT Chen
Taoyuan Chang Gung Memorial
Hospital
Taoyuan, Taiwan

Course Co-Chair



Han-Tsung Liao
Linko Chang Gung Memorial
Hospital
Linko, Taiwan

International Faculty

Schramm	Alexander	University Hospital and Military Hospital	Ulm	Germany	Ulm
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Regional Faculty

Cai	Zhi-Gang	Peking University, School of Stomatology	China	Beijing
Lim	Thiam-Chye	National University of Singapore	Singapore	Singapore

National Faculty

Chang	Yang-Ming	Taipei Chang Gung Memorial Hospital	Taiwan	Taipei
Chen	Yuan-Chien	Taichung China Medical University Hospital	Taiwan	Taichung
Ho	Cheng-Ting	Linko Chang Gung Memorial Hospital	Taiwan	Linko
Hsieh	Mon-Hsian	National Taiwan University Hospital	Taiwan	Taipei
Hsieh	Ming-Chi	Charm United Clinic	Taiwan	Taipei
Hsu	Sheng-Pin	Taipei Chang Gung Memorial Hospital	Taiwan	Taipei
Lai	Ray-Bin	Kaohsiung Chang Gung Memorial Hospital	Taiwan	Kaohsiung
Lee	Su-Shin	Kaohsiung Medical University Hospital	Taiwan	Kaohsiung
Lee	Jing-Wei	National Cheng Kung University Hospital	Taiwan	Tainan
Liang	Chi-Cheng	Kaohsiung Chang Gung Memorial Hospital	Taiwan	Kaohsiung
Lo	Lun-Jou	Linko Chang Gung Memorial Hospital	Taiwan	Taipei
Wu	Cheng-Hsien	Taipei Veterans General Hospital	Taiwan	Taipei
Yang	Ching-Hsiang	Kaohsiung Chang Gung Memorial Hospital	Taiwan	Kaohsiung

Saturday, June 10, 2017

TIME	AGENDA ITEM	WHO
08:00–08:30	Registration	
08:30–08:40	Opening	CT Chen
08:40–09:00	Introduction of AO history and AOCMF membership	P Chen
Module 1	Overview of computer assisted surgery in craniofacial reconstruction	Moderator: P Chen / HT Liao
09:00–09:20	Overview of computer-assisted surgery in craniofacial reconstruction	CT Chen
09:20–09:40	3-D planning in craniofacial reconstruction	SP Hsu
09:40–10:00	A new computer algorithm in the management of bilateral facial fractures for navigation	TC Lim
10:00–10:10	Discussion	
10:10–10:30	COFFEE BREAK	
Module 2	Computer-assisted in orbital reconstruction	Moderator: ZG Cai / CH Wu
10:30–10:50	A audit on the use of navigation in orbital surgery	TC Lim
10:50–11:10	The application of intraoperative navigation in acute orbital fracture	CC Liang
11:10–11:30	The application of intraoperative navigation in post-traumatic enophthalmos	HT Liao
11:30–11:50	Comparison of intraoperative surgical guiding system for orbital wall reconstruction	SS Lee
11:50–12:10	Patient specific implants and intraoperative navigation in orbital and midface reconstruction	A Schramm
12:10–12:20	Discussion and group photo	
12:20–13:10	LUNCH BREAK	

Saturday, June 10, 2017, continued

TIME	AGENDA ITEM	WHO
Module 3	Computer-assisted surgery in mandibular reconstruction	Moderator: SS Lee / A Schramm
13:10–13:30	Digital work flow for computer-assisted mandible reconstruction	CH Wu
13:30–13:50	Computer-assisted planning and surgery in mandibular reconstruction	ZG Cai
13:50–14:10	3-D printing for reconstruction of secondary mandibular deformity after osteoradionecrosis by 3-D model for prebending reconstruction plate	HT Liao
14:10–14:40	Compare "fibula/jaw in a day" with simultaneous dental implants placement in to fibula bone flap (delay prosthesis fabricated) for total oral functional reconstruction: the use of intra-oral scan	YM Chang
14:40–15:00	Discussion	
15:00–15:30	COFFEE BREAK	
		Moderator: CT Chen / TC Lim
15:30–15:50	Customized implants and surgical guides in mandibular reconstruction	A Schramm
15:50–16:10	How can you improve the height of alveola after fibular transplantation for mandibular reconstruction	ZG Cai
16:10–16:30	Using 3-D simulation and printing model to assist comminuted facial fracture	CH Yang
16:30–16:50	3-D guided oral implantation (experience with over 3,000 patient)	A Schramm
16:50–17:10	Discussion	
17:10	End of day 1	

Sunday, June 11, 2017

TIME	AGENDA ITEM	WHO
Module 4	Computer-assisted surgery in midface reconstruction	Moderator: P Chen / MH Hsieh
08:30–08:50	Digital surgery technique used in mid-face & orbital reconstruction	ZG Cai
08:50–09:10	Uses of navigation in orbital & zygomatic fractures	TC Lim
09:10–09:30	Multifariouly combined use of virtual image manipulation and physical model fabrication in craniofacial reconstructive surgery	JW Lee
09:30–09:50	Intraoperative imaging in facial trauma repair (zygoma, orbit, subcondylar)	A Schramm
09:50–10:00	Discussion	
10:00–10:20	COFFEE BREAK	
		Moderator: CC Liang / JW Lee
10:20–10:40	Computer-assisted and intraoperative navigation for old orbital-zygoma fracture management	CH Wu
10:40–11:00	Problems associated with the use of navigation in CMF surgery	TC Lim
11:00–11:20	Computer-assisted planning and surgery in maxillary reconstruction	ZG Cai
11:20–11:40	Surgical navigation assisted miface osteotomy in syndromic craniosynostosis	MH Hsieh
11:40–11:50	Discussion	
11:50–13:00	LUNCH BREAK	

Sunday, June 11, 2017, continued

TIME	AGENDA ITEM	WHO
Module 5	Computer-assisted planning for orthognathic surgery (OGS) and facial aesthetic	Moderator: CT Ho / LJ Lo
13:00–13:20	3-D planning and workflow for OGS	SP Hsu
13:20–13:40	Splintless maxillary positioning and 3-D printed plates in orthognathic surgery	A Schramm
13:40–14:00	Maxillary positioning with surgical guide and prefabricated fixators in orthognathic surgery	RB Lai
14:00–14:20	3-D printing in the OGS for patients with facial asymmetry	LJ Lo
14:20–14:50	Piezo and CAD/CAM for OGS	YC Chen
14:50–15:10	Discussion	
15:10–15:40	COFFEE BREAK	
		Moderator: YC Chen / RB Lai
15:40–16:10	Virtual planning in orthognathic and aesthetic facial skeletal surgery	MC Hsieh
16:10–16:30	Application of navigation in orthognathic surgery	LJ Lo
16:30–16:50	Postoperative outcomes of 2-D and 3-D planning in orthognathic surgery: A comparative study	CT Ho
16:50–17:00	Discussion	
17:00	End of the seminar	

Event organization

AOCMF Asia Pacific
Unit 1310-11 Tower 1,
Millennium City 1,
388 Kwun Tong Road,
Kowloon, Hong Kong
Tel +852 2581 1776
Fax +852 2581 1772
Email naoko.kawai@aocmf.org

Event logistics

Mr. Philip Lin
Johnson & Johnson Medical Taiwan
9F, 319, Tun-Hwa South Rd.,
Sec. 2, Taipei 10669, Taiwan
Tel: +886 2 27328345 ext 105
Email: plin3@its.jnj.com

Event information

Event fee

USD 500
Included in event fee are coffee breaks, lunch,
certificate and event materials.

CME accreditation

An application has been made to the Taiwan Society of
Plastic Surgery for CME accreditation of this event.

Evaluation guidelines

All AOCMF events apply the same evaluation
process, either audience response system (ARS) 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

Event materials, presentations, and case studies are the
intellectual property of the event faculty. All rights are
reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.



Recording, photographing, or copying of lectures, practical exercises, case discussions, or any event materials is absolutely 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

Please wear a name tag during lectures, workshops, group discussions.

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Use of mobile phones

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

Event language

Chinese / English

Dress code

Smart casual for all events.

Event venue

Keelung Chang Gung Memorial Hospital

No. 222, Maijin road,
Anle district, Keelung,
Taiwan
Tel +886 2 2431 3131



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AO Foundation—Principles of AO Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the AO network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the AO Education Institute (www.aofoundation.org). Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the AO Foundation and AO Clinical Division) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Use of technologies and products in simulations

Case simulations are chosen as an educational method to educate skills, we only use technology approved by the AOTK System (AOTK)—a large independent group of volunteer surgeons developing and peer-reviewing new technology (more information about AOTK, its development and approval process can be found on the AO Foundation website: www.aofoundation.org).

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.

Your benefits as an AOCMF Member



+ Exclusively:

For members and e-members: **AOCMF Directory**

For members: **Print copy of JCMTR**

Become a member now

www.aocmf.org