

- Meet The Experts -

Customized Facial Implants and 3-Dimensional Surgical Planning

How to Incorporate State of the Art Technology into
the Care of the Craniomaxillofacial Surgical Patient

Program

Dubai, UAE

April 13th - 14th, 2018

- Limited attendance
- Pending for MBR-AMC
Credit Points



International Course

S.O.R.G. ACADEMY

www.sorg-group.com

General Information

Purpose

The integration of research evidence and clinical expertise is improving the standard of care for orthognathic surgery, facial trauma, head and neck reconstruction and correction of facial deformities. Currently, surgeons are relying on experience of anatomical structures, patient images, dental impressions and mechanical measurements to restore bony symmetry and function of the bony structures. Rather than visually analyzing CT images, newer technologies allow the craniomaxillofacial surgeon to plan and execute surgical steps with efficiency and improved outcomes. Computer-based planning and simulation, along with three-dimensional design capabilities, provides greater precision and customization for patients. Faculty will address the perioperative aspects of managing the CMF patient, including clinical algorithms and the appropriate use of advanced software and technologies.

Target Audience

Craniomaxillofacial surgeons seeking to improve care choices, therapeutic possibilities and augment surgical skills by incorporating advanced technologies in 3D-planning and implant customization.

Professional Practice Gap

Surgeons may be relying on traditional CT imaging for surgical planning, when instead, the extraction of medical information from the whole individual DICOM-dataset allows for individual computer-based treatment planning and customized implant manufacturing, which significantly contributes to better patient treatment outcomes.

Learning Needs

Surgeons require knowledge regarding the application of computer assisted planning and surgery, and considerations for selecting customized implants. They also require strategies and skills to appropriately use navigation tools and 3D-software.

Objectives

Upon completion of the activity, surgeons should be able to:

- Discuss clinical evidence for the integration of computer assisted-planning and navigation in craniomaxillofacial surgery.
- Compare the technical considerations and effectiveness of stock implants versus custom-fabricated devices for various maxillofacial pathologies.
- Demonstrate the steps involved in computer-assisted preoperative planning, and intra-operative navigation and repair for the cranium, orbit, midface and mandible.
- Describe how 3D-planning and customized implants can improve patient outcomes, as well as cost efficiency.

General Information

Faculty

David B. Powers, MD, DMD, FACS, FRCS (Ed)

Director

Craniomaxillofacial Trauma Program

Associate Professor of Surgery

Division of Plastic, Reconstructive,
Maxillofacial and Oral Surgery

Duke University Medical Center

Trauma Section Chair S.O.R.G. North America



Nils-Claudius Gellrich, MD, DMD

Professor and Chairman

Department of Oral and Maxillofacial Surgery

Hannover Medical School, Germany



Michael P. Grant, MD, PhD, FACS

Paul N. Manson Distinguished Professor

of Plastic and Reconstructive Surgery

Chief; Plastic, Reconstructive and Maxillofacial Surgery

Professor of Surgery, Program in Trauma

R Adams Cowley Shock Trauma Center

University of Maryland Medical Center

Baltimore, MD USA



Majeed Rana, MD, DMD

Associate Professor

Oral and Maxillofacial Surgery

Aesthetic Surgery

Department of Oral and Maxillofacial Surgery

University Hospital Düsseldorf, Germany



Faculty

Alexander Schramm, MD, DDS

Chair and Professor
Department of Oral and Maxillofacial Surgery
University of Ulm
Department of Oral and Plastic Maxillofacial Surgery
Military Hospital Ulm, Germany



Jan de Lange, MD, DMD, PhD

Professor of Oral and Maxillofacial Surgery
Chair of the Department of Oral and Maxillofacial Surgery
and Dentistry
Academic Medical Center (AMC)
Academic Center for Dentistry Amsterdam (ACTA)
Amsterdam, The Netherlands



Nasser AlAsseri BDS, SSC OMFS, MOMS RCPS (Glasg)

Consultant and Head of Oral and Maxillofacial Surgery Department
Prince Sultan Military Medical City (PSMMC)
Orthognathic and Cleft Surgeon
Program Director of Saudi Board of Oral and Maxillofacial
Surgery at PSMMC
Riyadh, Saudi Arabia



Program

1st Day (Friday, April 13th, 2018)

14:00	Welcome and Introduction	<i>Gellrich</i>
Part 1		
Moderators: Grant, Schramm		
14:20-14:50	Evolution of computer-assisted surgery and custom-made solutions in CMF surgery	<i>Gellrich</i>
15:00-15:30	How to analyze the orbit and how does decision making work in orbital reconstruction?	<i>de Lange</i>
15:40-16:10	Standard versus preformed versus customized implants – my personal view	<i>Schramm</i>
16:20-16:40	Coffee Break	
Part 2		
Moderators: Rana, Dittmann		
16:40-17:30	IPS-orbit (primary) – I T A P C (Indications – Timing – Approaches – Pros – Cons)	<i>Rana</i>
17:40-18:10	Standard versus preformed versus customized implants – my personal view	<i>Powers Grant</i>
18:20-18:50	IPS-orbit (secondary) – I T A P C	
19:00-19:15	Final discussion and summary day 1	

Program may be subject to change.

2nd Day (Saturday, April 14th, 2018)

Part 3		
Moderators: Kübler, AIAsseri		
08:00-08:30	IPS-cranial – I T A P C	<i>Powers</i>
08:40-09:10	IPS-cranial (craniosynostoses) – I T A P C	<i>Rana</i>
09:20-09:50	IPS-multiple regions (cranial – orbit – midface) - I T A P C	<i>Gellrich</i>
10:00-10:20	Coffee Break	
Part 4		
Moderators: de Lange, Powers		
10:20-10:50	IPS-mandible – I T A P C	<i>Schramm</i>
11:00-11:30	IPS-orthognathic – I T A P C	<i>Rana</i>
11:40-12:10	Case-designer – The role of 3D planning for minimally invasive orthognathic surgery	<i>AIAsseri</i>
12:20-12:50	IPS-dental - I T A P C	<i>Gellrich</i>
13:00-14:00	Lunch Break	
Part 5		
Hands-on workshop – 2 groups		
Moderators:		Moderators:
Gellrich, Schramm, Powers, Dittmann		Rana, de Lange, AIAsseri, Jedig, Singh
14:00-15:30	Group 1: Brainlab – planning and navigation	Group 2: CaseDesigner
15:30-16:00	Coffee Break	
16:00-17:30	Group 2: Brainlab – planning and navigation	Group 1: CaseDesigner
17:30-18:00	Final discussion and summary day 2 and end of course with certificate distribution	

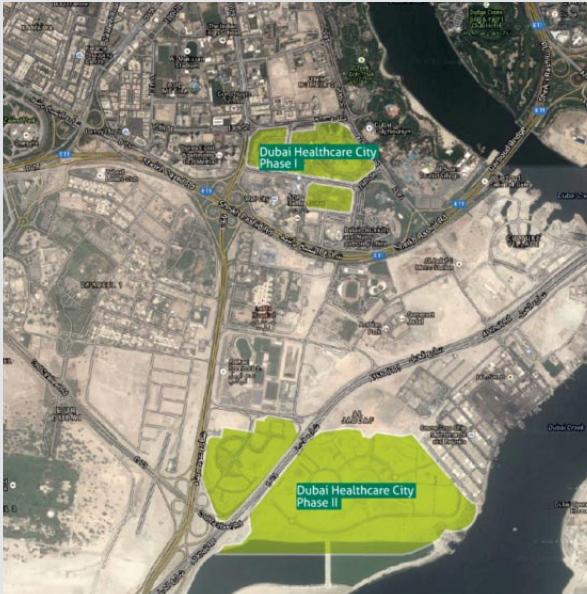
General Information

Venue

Mohammed Bin Rashid Academic Medical Center

Al Qassimi Building No.1 - 14, - 1 17th St

Dubai - UAE



Dubai Healthcare City is located in the heart of Dubai and only 4 km from Dubai International Airport.

The beautiful Dubai Creek Park is just a short walk and the famous Wafi Mall and the City Center Mall in Deira are only a few minutes drive away. There is also a wide choice of hotels in the area including Raffles, the Grand Hyatt, Park Hyatt and Moevenpick, each with a fine selection of restaurants and cafes.

Information and Registration

For more information and pre-registration:

www.sorg-group.com

info@sorg-group.com

Course fee incl. both hands-on workshops: 600 EUR

Course fee lectures only (without hands-on): 300 EUR

Limited attendance for hands-on workshops - early registration recommended!

Course language

English (no simultaneous translation provided)

Continuing medical education points

The course is pending for MBR-AMC credit points.

In cooperation with

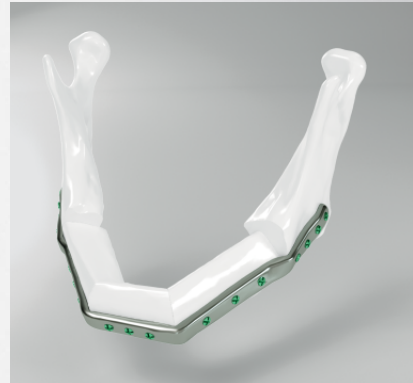




IPS Implants

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