

Virtual Surgical Planning in Orthognathic and Reconstructive Maxillofacial Surgery



McGill
Faculty of Dentistry
Continuing Dental Education

Friday, November 22nd, 2013 | 8:30am - 4:00pm
Dentists: \$150 (full day)

Please note that this course will be held in English

Location: The Ritz Carlton Montreal
1228 Sherbrooke Street West,
Montreal, QC H3G 1H6

A preferential room rate is available for attendees

Program Summary

Virtual surgical planning (VSP) has been used in many surgical fields to improve the accuracy and efficiency of surgical procedures. The field of dentistry has long been a leader in developing the principles of CAD/CAM and applying these principles to restorative and prosthodontic procedures, opening the doors for expansion of this technology into different specialties. The application of these principles to orthodontics and surgical orthodontics has permitted clinicians to provide greater precision when planning complex movements of the maxillofacial skeleton for dentofacial and craniomaxillofacial deformities.

This course will provide an overview of the principles of 3D surgical planning, including the step-by-step process involved in using services available for VSP. The program will include lectures, case presentations and a live planning demonstration of a case utilizing medical modeling. The panel of speakers will be maxillofacial surgeons with experience in utilizing VSP for a range of treatments from orthognathic surgery to complex maxillofacial reconstruction.

Following the presentations, the panel will open the forum to discussion and questions.

Objectives

- Understand the principles of 3D cephalometrics
- Understand the step-by-step process of Virtual Surgical Planning
- Familiarize with the process of virtual stent fabrication
- Discuss the advantages and disadvantages of the use of this technology

Schedule

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| 8:00 - 9:00 | Registration and Continental Breakfast (included) |
| 9:00 - 10:45 | Presentation Dr. Edwards |
| 10:45 - 11:00 | Break |
| 11:00 - 12:00 | Presentation Dr. Chehade |
| 12:00 - 12:15 | Discussion |
| 12:15 - 1:30 | Lunch (included) |
| 1:30 - 2:30 | Presentation Dr. Makhoul |
| 2:30 - 2:45 | Discussion |
| 2:45 - 3:00 | Break |
| 3:00 - 3:30 | Live case planning with Medical Modeling |
| 3:30 - 4:00 | Panel Discussion |



Sean Edwards, DDS, MD
Dr. Edwards received his DDS from Dalhousie University 1998. He then obtained his MD in 2003 and completed his Oral and Maxillofacial Surgery training in 2005 at the University of Michigan. He is the Chief of Pediatric Oral and Maxillofacial Surgery at the University of Michigan. Dr. Edwards completed fellowship training in Pediatric Craniofacial Surgery in 2006 at the University of Pittsburgh and in Oncology and Microvascular Surgery at the University of Michigan in 2007.



Antoine Chehade, DDS, FRCD(C)
Dr. Chehade received his DDS in 1990 and Master of Science in 1995 from McGill University. He is an Associate Professor at McGill University and currently Chief of Dentistry and Oral and Maxillofacial Surgery at the McGill University Health Centre. Dr. Chehade also has an established private practice in downtown Montreal with an emphasis on orthognathic and dental implant surgery.



Nicholas Makhoul, DDS, MD, FRCD(C)
Dr. Makhoul received his DDS from McGill University in 2005. He then obtained his MD in 2009 and completed his OMFS training in 2011 at the University of Michigan. He is Assistant Professor and Program Director of the Residency training Program at McGill University. Dr. Makhoul maintains a full time appointment at the Montreal General Hospital where he is involved with teaching, research and patient care.

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