2nd International Conference of MAXILLOFACIAL SURGERY

MAX-LUX

الهيئة العامة للرعاية الصحية
EGYPT HEALTHCARE AUTHORITY

Jolie Ville Hotel | 29th February -1st March 2024

WORKSHOPS

01	GUMMY SMILEROADMAP	Prof. Islam Kassem
02	MANAGEMENT OF OROANTRALCOMMUNICATION ANDOROANTRAL FISTULA	Prof. Ahmed Gaber Hassanein Dr. Mahmoud Sobhy Allam Dr. Hatem Adel Abo Elhassan
03	MAXILLOFACIAL TRAUMA	Prof. Ahmed Gaber Hassanein Dr. Mahmoud Sobhy Allam Dr. Hatem Adel Abo Elhassan
04	SUTURING MATERIALSAND TECHNIQUES	Prof. Ahmed Gaber Hassanein Dr. Mahmoud Sobhy Allam Dr. Hatem Adel Abo Elhassan
05	MASTERING IMPLANTOLOGY	Prof. Ahmed A. Shaaban Asst. Prof. Ali Fahd
06	COMPLETE SURGICAL-GUIDES COURSE USING BLUSKY SOFTWARE	Dr. Mahmoud Fata
07	CLEFT SIMULARE	Prof. Mamdouh Aboul-hassan Dr. G. Reddy
08	TRACHEOSTOMY MINI COURSE	Dr. Tarek Abdel Fattah
90	HANDS-ON VR WORKSHOP	Dr. Daisuke Tomita, DDS Dr. Mohamed Abdelhakim, MD., PhD.

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GUMMY SMILEROADMAP



SPEAKER

PROF.
ISLAM KASSEM

This is one day workshop including diagnosis and treatment of gummy smile using different modalities

INTENDED LEARNING OBJECTIVES

- Evaluate gummy smile
- understand dynamic facial anatomy
- understand using of neurotoxin in hyperactive lip

AGENDA

- Dynamic facial anatomy
- Gummy smile etiology
- Neurotoxin for gummy smile
- Laser for gummy smile
- Lunch break
- Live demo
- Hands on

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MANAGEMENT OF ORO ANTRAL COMMUNICATION AND OR ANTRAL FISTULA

SPEAKERS



PROF.
AHMED
GABER HASSANEIN



DR.
MAHMOUD
SOBHY ALLAM



DR.
HATEM ADEL
ABO ELHASSAN

THIS COURSE IS SPECIFICALLY DESIGNED FOR:

- General dentists and Surgeons involved in the treatment Oroantral Communication and oroantral fistula.
- Fully qualified dental and medical specialists in oral and maxillofacial surgery and related disciplines.
- dental Specialists in all stages of their careers

LEARNING WILL BE DELIVERED THROUGH

- Comprehensive didactic lectures
- Interactive, clinical case-based small group discussions
- Hands-on practical lab exercises utilizing animal models with a 5:1 participant-to-faculty ratio.
- More interaction between participants and expert faculty
- Panel discussions
- Follow-up assessment questions, to ensure that your educational gaps have been met.

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MANAGEMENT OF ORO ANTRAL COMMUNICATION AND OR ANTRAL FISTULA

THE TOPICS OF THE WORKSHOP WILL COVER:

- Definition and types of Oroantral Communication and oroantral fistula
- Etiology of Oroantral Communication and oroantral fistula Clinical picture of Oroantral Communication and oroantral fistula
- Symptoms: Fresh Oroantral Communication
- Symptoms of Established Oroantral Fistula
- signs of recent communication
- signs of established oroantral fistula.

DIAGNOSTIC INVESTIGATIONS MANAGEMENT OF OROANTRAL COMMUNICATION AND OROANTRAL FISTULA

- Purpose
- Treatment of Early Cases
- Treatment of Delayed Cases
- Surgical Procedures Used in Closure of Oroantral Fistula
- Buccal Flap Advancement Operation
- Modified Rehrmann's Buccal Advancement Flap
- Ashley's Operation (palatal mucoperiosteal flap)
- Combination of Buccal and Palatal Flaps
- Caldwell-Luc Operation

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MAXILLOFACIAL TRAUMA

SPEAKERS



PROF.
AHMED
GABER HASSANEIN



DR.
MAHMOUD
SOBHY ALLAM



DR.
HATEM ADEL
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- Follow-up assessment questions, to ensure that your educational gaps have been met

OBJECTIVES OF THE WORKSHOP

This workshop, the candidate will have the skills and abilities to:

- Know the etiology of maxillofacial trauma.
- Diagnose maxillofacial fractures through history, physical examination, and diagnostic investigations.
- Formulate a treatment plan (operative and non-operative).
- Perform the specific treatment for variable types of facial fractures
- Modify the treatment plan when necessary.
- Manage patient follow-up.
- dentify and manage complications of maxillofacial fractures.

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MAXILLOFACIAL TRAUMA

THE TOPICS THAT WILL BE COVERED:

- Mandibular trauma
- Mandibular fractures
- Management of mandibular fractures
- Condylar fractures
- mandibular fractures in pediatric patients
- mandibular fractures in edentulous patients

MID AND UPPER FACIAL TRAUMA

- Maxillary fractures
- Zyogmatic fractures
- Nasal fractures
- Naso-orbito-ethmoidal fractures
- Frontal sinus fractures
- Sequencing panfacial fractures.

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SUTURING MATERIALS AND TECHNIQUES

SPEAKERS



PROF.
AHMED
GABER HASSANEIN



DR.
MAHMOUD
SOBHY ALLAM



DR.
HATEM ADEL
ABO ELHASSAN

OBJECTIVES OF THE WORKSHOP:

By the end of this workshop, the candidate will have the skills and abilities to:

1. Know the different types of suturing materials and principles of Suture Material Selection
2. Know types and parts suture needles and when to use each type
3. Know different types of suturing material and how to select the appropriate type to use.
1. Know Principles of Suturing, Suturing Techniques, and Mechanical Wound Closure Devices
2. Perform surgical knot tying, interrupted suture-sling suture, continuous over and over suture, continuous locking suture, and mattress sutures
3. Utilize ligating clips, surgical staples, and tissue adhesives

THE TOPICS THAT WILL BE COVERED

I. SUTURING MATERIALS:

1. Classification of suturing materials
4. Requisites for Suture Materials
5. Principles of Suture Material Selection
6. Biological Response of the Body to Suture Materials
7. Suture Needles

.

SUTURING MATERIALS AND TECHNIQUES

TYPES OF SURGICAL NEEDLES:

Parts of surgical needle:

- Non-Absorbable Sutures
- Natural Absorbable Sutures
- Synthetic Absorbable Sutures
- Coated Vicryl - Polyglactin 910 Braided Suture Material

II.SUTURING TECHNIQUES

4.Principles of Suturing

5.Surgical Knot Tying

6.Suturing Techniques

- Interrupted Suture-Sling Suture
- Continuous Over and Over Suture
- Continuous Locking Suture
- Mattress Sutures

7.Mechanical Wound Closure Devices

- Ligating Clips
- Surgical Staples
- Tissue Adhesives

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MASTERING IMPLANTOLOGY

SPEAKERS



PROF.
AHMED
A. SHAABAN



ASST. PROF.
ALI
FAHD

COURSE OVERVIEW:

- The basic implantology course is designed for all dentists who have limited or no experience with dental implants.
- Through lectures, demonstrations, and hands-on content, clinicians will learn the theoretical basics and practical procedures for simple implant placement and restoration.

COURSE OBJECTIVES

Upon successful completion of the basic implantology course, the participants will be able to

1. Determine clinical scenarios and appropriate candidates for simple implant treatment.
2. Develop a dental implant treatment plan.
3. Prepare the surgical site for the placement of an implant.
4. Select and place the optimal implant type for the surgical site.
5. Select the correct prosthetic components for implant restoration.
6. Take an impressions for an implant-supported prosthesis.

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MASTERING IMPLANTOLOGY

COURSE CURRICULUM:

- Implant planning and case evaluation - Lectures and Hands-on workshops
- Surgical protocols and techniques
- Background of implantology and anatomical considerations
- Radiographic investigation and interpretation - Lectures and Hands-on workshops
- Implant criteria and case selection
- implant insertion - Hands-on practical exercise on models - Lectures and Hands-on workshops
- digital prosthodontics
- Implant restorations
- Abutment types and their selection
- Choice of proper implant prosthesis
- Impression techniques
- hands on patients and clinical cases

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COMPLETE SURGICAL-GUIDES COURSE USING BLUSKY SOFTWARE



SPEAKER

DR. MAHMOUD FATA

Get ready to learn Surgical-guides with BlueSky software.
Get to know all of the software capabilities during this in-depth hands-on course:

PROSTHETIC DRIVEN IMPLANT PLACEMENT PRINCIPLES

(how to place an implant in an accurate 3d position)

- MASTERING CBC reading and understanding the CBCT cuts
- Types of surgical guide kits
- Requirements for fabrication of an accurate surgical guide:
  *For bone-supported surgical guide
  *For mucosa-supported surgical guide
  *For teeth-supported surgical guide

THE ROLE OF THE INTRAORAL SCANNER IN THE SURGICAL GUIDE SURGICAL GUIDE STEP BY STEP:

- Preparation of the model scan of the intraoral scanner
- How to extract Dicom files from CBCT
- Implant planning and designing of the surgical guide using BlueSky bio plan software
- Preparation of the surgical guide design for proper 3d printing
- 3d printer adjustment
- Selection of a proper risen
- Finishing and evaluation of the surgical guide before embarking on surgery
- Instructions and drilling protocols
- Surgical guides seating and methods of guide fixation
- Intraoral surgical guide evaluation

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TRACHEOSTOMY MINI COURSE



SPEAKER

DR.
TAREK
ABDEL FATTAH

THE COURSE WILL COVER THE FOLLOWING TOPICS:

- Historical review of tracheostomy procedure
- Indications
- Contraindications
- Preoperative assessment
- Operative procedure
- Choosing the proper tracheostomy tube
- Possible complications& how to avoid
- Postoperative care & weaning

SPECIAL SITUATIONS :

- Emergency tracheostomy
- Pediatric tracheostomy
- Scary cases

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CLEFT SIMULARE

SPEAKERS



PROF.
MAMDOUH
ABOUL-HASSAN



ASST. PROF.
G. REDDY

CLEFT PALATE COURSE :

This course is one of kind with simulare cleft palate model.this life size actual oral dimensions and oral opening will give the actual experience of live surgery.the candidates will be able to cultures and design and suture simulating actual surgery . Detailed information about the deformity and how to correct .We promise an amazing course and interactive discussion from Cleft experts .

CLEFT LIP COURSE

This course is designed for bignners and those in the middle of their practice to learn and master primary cleft lip repair. Detailed information about the deformity and how to correct it.Marking of the anatomical points and the design of the cuts will be shown and tried on silicone life size models .We promise an amazing course and interactive discussion from Cleft experts

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HANDS-ON VR WORKSHOP

SPEAKERS



DR.
DAISUKE TOMITA, DDS



DR.
MOHAMED ABDELHAKIM, MD., PHD.

LEARNING OBJECTIVES:

1. Understanding Digital Healthcare in Japan:
   - Define and comprehend the concept of digital healthcare.
   - Explore the role of digital healthcare in enhancing medical services in Japan.
2. Exploring VR/AR and Metaverse in Medical Education in Maxillofacial Surgery:
   - Examine the application of Virtual Reality (VR) and Augmented Reality (AR) in medical education.
   - Understand how the Metaverse contributes to improving the quality of education and surgical practice.
3. Hands-On Experience with VR Technology:
   - Familiarize with the Meta-Quest and HoloLens 2 VR/AR sets.
   - Learn how specialized software enhances the immersion experience in the medical field.

AGENDA:

1. Introduction
   - Welcome and registration.
   - Overview of the workshop's objectives.
2. Digital Healthcare in Japan
   - Lecture on the concept of digital healthcare.
   - Case studies showcasing the impact of digital healthcare on medical services in Japan.
   - Q&A session.
3. VR/AR and Metaverse in Medical Education
   - Presentation on the application of VR and AR in medical education.
   - Discussion on the role of the Metaverse in improving education and surgical practice.
   - Demonstrations of successful implementations.
4. Break and Networking
   - Refreshments and an opportunity for participants to network.
5. Hands-On Experience with VR Technology
   - Introduction to Meta-Quest and HoloLens 2 sets.
   - Practical sessions with specialized software to experience immersion in virtual reality in the medical field.
   - Troubleshooting and Q&A.
6. Closing Remarks and Future Perspectives :
   - Recap of key takeaways.
   - Discussion on the future prospects and advancements in medical education and digital healthcare.

This agenda aims to provide a comprehensive overview of digital healthcare in Japan, the application of VR/AR and the Metaverse in medical education, and hands-on experience with cutting-edge VR technology. Participants will leave with a deeper understanding of these technologies and their potential impact on the medical field.