

The Comprehensive Clinical Program in Oral Implantology

The Comprehensive Clinical Program in Oral Implantology is a one year training program organized by the faculty of dentistry at the University of Jordan in cooperation with the Jordanian Dental Association and the German Association of Oral Implantology (DGOI) under the umbrella of the Centre of Consultation and Training at the University of Jordan.

The program offers comprehensive academic knowledge in oral implantology and related science, and provide the candidates with the essential clinical training to practice uncomplicated dental implants. The program extends over a 12 month period with 217 credit hours of theoretical, lab and clinical training. Every candidate will be supervised to do four dental implants from A to Z, and will be exposed to the concepts of difficult cases management.

At the end of the program candidates will be evaluated through a comprehensive exit exam and case presentation. Successful candidates will be offered a training nonacademic certificate by the University of Jordan recognized by the Minister of Higher Education and the Jordanian Commission of Dental Implantology in addition to a certificate of membership from the DGOI.

Dentists with a minimum one year experience with liscence to practice dentistry are eligible to enroll in the program. The Fee for the program is 7000 JDs. The first 30 candidates registering in the program will be accepted after providing the required documents. An official medical status report recognized by the University of Jordan is required.

Dr Ashraf Abu Karaky

Course coordinator

Modules

*Module No.: **Module 1***

*Module Name: **Introduction to dental implantology***

*Date: **19th & 20^h September 2014***

*Credit hours: **12 hours***

*Module coordinator: **Prof. Zaid Baqain***

Learning Objectives:

- ❖ Definition of dental implant, history and dental implant components
- ❖ The clinical indications for using dental implants
- ❖ Treatment options for missing dentition
- ❖ Surgical techniques used to place implants
- ❖ Anatomical considerations
- ❖ Soft tissue considerations and flap designs
- ❖ Oral health and dental implants
- ❖ Hands on practice on placing dental implants on jaw models

*Module No.: **Module 2***

*Module Name: **The Practice of Dental Implantology (Planning, clinical scenarios and clinical photography)***

*Date: **16th, 17th & 18th October 2014***

*Credit hours: **18 hours***

*Module coordinator: **Prof. Zaid Baqain***

Learning Objectives:

- ❖ Treatment planning steps for various clinical scenarios
- ❖ Knowledge and application of advanced radiological technology relevant to dental implantology
- ❖ Dental implantology in daily practice
- ❖ Surgical anatomy of the jaws
- ❖ Overcoming anatomical and histological challenges in placing dental implants
- ❖ Medical evaluation of the dental patient, relative risks of dental implantology and pharmacology.
- ❖ Science and art of clinical photography

*Module No.: **Module 3***

*Module Name: **Basics of Oral Implantology and Implants for the Medically Compromised Patient***

*Date: **13th , 14th & 15th November 2014***

*Credit hours: **18 hours***

*Module coordinator: **Dr. A. Abu Karaky***

Objectives

Implantologists are confronted with an increasing number of medically compromised patients who require implant surgery for their oral rehabilitation. The literature contains numerous observations on the significance of systemic disorders as contraindications to implant treatment. However, evidence based guidelines on dental implant therapy in this patient category are lacking. Consequently, several issues regarding pre and post operative management of these patients remain unclear to clinicians. Therefore, the purpose of this module is to update dentists about the implications of the more common and relevant systemic diseases on implant therapy.

*Module No.: **Module 4***

*Module Name: **Soft-Tissue Management***

*Date: **28th & 29th November 2014***

*Credit hours: **12 hours***

*Module coordinator: **Dr. Ahmad Hamdan***

Learning Objectives:

This session will focus on describing the soft tissue interface around dental implants and its management. This includes non-surgical as well as surgical procedures and techniques applied for soft tissue management. Moreover, innovative procedures, such as navigation, PRP, and microsurgery will be addressed, as well as the relationship between soft and hard tissues around dental implants. In addition, some administrative issues need to be addressed, such as the professional organizations of practicing implantologists and appropriate invoicing of services rendered. The initial focus will be on reinforcing the knowledge of soft-tissue management measures.

*Module No.: **Module 5***

*Module Name: **Prosthodontics of Oral Implantology***

*Date: **9th , 10th Jan 2015***

*Credit hours: **12 hours***

*Module coordinator: **Dr. Mohammad Al-Rababa'ah***

Learning Objectives:

This session will deal with esthetics and an introduction to implant prosthetics. We will discuss soft tissue management as an important key to implant success. The basic procedures in implantology prosthetics will be shown.

*Module No.: **Module 6***

*Module Name: **Treatment planning and observer ship module***

*Date: **to be announced later***

*Credit hours: **3 hours***

*Module coordinator: **Dr. M. Al-Rababah***

Learning Objectives:

- ❖ Delegates are required to attend for at least 3 hours/ wk for the duration of 3 months to attend surgical / prosthetic clinics to observe clinical work related to implant.
- ❖ Delegates are required to discuss their planned cases with surgical and restorative consultants
- ❖ All pre-implant restorative/rehabilitation work should be carried out during this phase.
- ❖ The planning phase should be completed during this module
- ❖ The candidates will observe the faculty members performing the surgical and prosthetic phase on their patients.

*Module No.: **Module 7***

*Module Name: **1st Surgical phase***

*Date: **(exact dates to be announced according to the University calendar)***

*Credit hours: **22 hours***

*Module coordinator: **Dr. A. Abu Karaky***

Learning Objectives:

Participants have started placing implants .

Each participant required to place a minimum of 4 implants by himself to the patient that was prepared before. During the rest of the module, each participant will be given abundant chance to observe other surgical operations performed by the other participants before and after he finished his/her case.

*Module No.: **Module 8***

*Module Name: **Bone management and augmentation procedures***

*Date: **to be announced later***

*Credit hours: **12 hours***

*Module coordinator: **Dr. A. Abu Karaky***

Learning Objectives:

This session will focus on summarizing of the subjects previously covered and an outlook on advanced methods. This includes innovative procedures, such as navigation, PRP, and major surgical procedures. In addition, some administrative issues need to be addressed, such as the professional organizations of practicing implantologists and appropriate invoicing of services rendered.

The initial focus will be on reinforcing the knowledge of soft-tissue and bone management measures. In particular, "major" surgery methods like bone transplants and distraction osteogenesis will be discussed, along with additional soft-tissue management measures. Another focus of the week will be on the proper relationship between inpatient and outpatient treatment. Sinus-lift surgery with conventional fenestration technique · Management of rhinological complications associated with sinus lift procedures · Alveolar extension plastic surgery and micro osteosynthesis technique

*Module No.: **Module 9***

*Module Name: **3D Imaging in Implant Treatment Planning***

*Date: **to be announced later***

*Credit hours: **12 hours***

*Module coordinator: **Dr. Abeer Al - Hadidi***

Learning Objectives:

This module focuses on the 3D radiographic planning of implant therapy. Introduction in 3D anatomy and basic 3D interpretation will be provided. That will be followed by an open discussion of all the cases that has been planned based on 3D imaging during this course. The second day will be dedicated to the discussion of using planning software and surgical guides in implant therapy. Hands-on training on real cases will take place on the afternoon of the 2nd day.

Intended learning outcomes:

- ❖ The participants should understand Multiplaner views and secondary reconstructions.
- ❖ The participants should become familiar with 3D anatomy in the Maxillofacial area.
- ❖ The participants should be become familiar with different implant planning software.
- ❖ The participants should be able to plan 1 case using the provided software.

*Module No.: **Module 10***

*Module Name: **2nd Surgical phase***

*Date: **to be announced later***

*Credit hours: **12hours***

*Module coordinator: **Dr. Ahmad Hamdan***

Learning Objectives:

- ❖ All delegates are required to bring their patients for second stage surgery during this week
- ❖ Each participant was required to uncover the submerged implants that he placed at module 7. Depending on the case different soft tissue management protocols were adopted. During the rest of the module each participant was given abundant chance to observe other 2nd stage surgical operations performed by the other participants before and after he finished his case.

*Module No.: **Module 11***

*Module Name: **Implant prosthodontic phase***

*Date: **to be announced later***

*Credit hours: **30hours***

*Module coordinator: **Dr.***

Learning Objectives:

- ❖ All delegates are required to bring their patients for impression making, try in and fit of abutment and crowns, and recall visits. Each participant is required to make impressions for his/her cases, participate in models production, verify the implant models through verification jigs, take a facebow record, and a maxillomandibular record and participate in mounting the models on a semiadjustable articulator. During the rest of the module each participant will be given abundant chance to observe other prosthetic treatments performed by the other participants before and after he finished his /her case.
- ❖ This spanned over two months.

*Module No.: **Module 12***

*Module Name: **Special Aspects of Implant Prosthodontics***

*Date: **to be announced later***

*Credit hours: **12 hours***

*Module coordinator: **Dr. Mohamad AL-Rababa'ah***

Learning Objectives:

Implant prosthodontics is a particularly demanding field. Important decisions concerning this issue are made early, while discussing and planning the treatment with the patient. A reasonable balance must be established between the patient's expectations and the options provided by implantology and prosthetics. Knowledge of function as an integral part of complex therapies is an important parameter in this context.

*Module No.: **Module 13***

*Module Name: **Evidence based approach in implant dentistry and advanced implantology principles.***

*Date: **to be announced later***

*Module coordinator: **Dr. A. Abu Karky***

*Module No.: **Module 14***

*Module Name: **2nd part of prosthodontics rehabilitation***

*Date **to be announced later***

*Credit hours: **24hours***

*Module coordinator: **Dr.***

*Module No.: **Module 15***

*Module Name: **Case Presentation & Examination***

*Date : **(exact dates to be announced according to the University calendar)***

*Credit hours: **6hours***

*Module coordinator: **Dr.***
