



Beni-Suef University
 Faculty of Dentistry
 Internship unit



INTERNSHIP PROGRAM SPECIFICATION

Internship year:

- It is a training program which is conducted after successful completion of the 5 years undergraduate dental program. It prepares the interns to plan and deliver various dental treatment modalities. Additionally, it prepares them to assess patients' general health status in relation to the anticipated dental treatment. Didactic and clinical training, patient's management and treatment planning, are included. The clinical management includes a broad range of clinical cases formulated to meet and satisfy the interns' specific needs. The new graduate is required to undertake a twelve-month uninterrupted internship as a fundamental requirement for full registration as a Dental Practitioner by the Egyptian Dental Syndicate.
- The internship clinical course is based on the newly developed system of comprehensive care case clinic that trains the student to practice patient management and dental treatment as one entity according to a multidisciplinary pre-assessed, updated, and approved treatment plan.

Internship Intended learning outcomes of course (ILOs):

<p>a. Knowledge and understanding: By the end of the course, the student will be able to:</p>	<p>Oral Diagnosis: a1. Identify appropriate diagnosis, prognosis, and treatment of oral and Oro-dental diseases.</p> <p>Oral Medicine: a1. Recognize dental management of patients suffering from systemic diseases and their effect on the oral cavity. a2. Describe etiology, clinical picture, histopathology, prognosis, treatment, and dental implications of vesiculobullous diseases, white lesions, red lesions, and ulceration affecting oral tissues.</p>
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Periodontology:

- a1. Recognize the signs and symptoms, and treatment of gingival and periodontal diseases.
- a2. Describe different technique of instrumentation, scaling, and root planning.
- a3. Categorize different periodontal therapy management including non-surgical and surgical.

Oral and Maxillofacial Surgery:

- a1. Identify principles, types, techniques, and complications of local anesthesia.
- a2. Recognize complications of tooth extraction.
- a3. Categories techniques for removal of impacted teeth.
- a4. Describe techniques for management of oral and face infections, cysts of the jaw, TMJ problems, fractures and oral implantology.

Pediatric Dentistry:

- a1. Identify the different behavioral management techniques and methods of communication with young patients and their parents.
- a2. Acknowledge the basics of cavity preparation and pulp therapy in primary teeth.
- a3. Recognize etiology and methods of treatment of dental caries and periodontal diseases in children.

Dental Public Health:

- a1. Identify the basic methods and barriers of effective health education for different priority groups.
- a2. Recognize the steps of applying the different preventive agents at home, office, and community level.
- a3. Recognize the basics of professional ethics in the field of dentistry.
- a4. Outline the concepts and mechanisms of infection control.

Operative Dentistry:

- a1. Recognize pain control and postoperative hypersensitivity (theories, types, causes, prevention, and management).
- a2. Recognize how to manage deep carious and non-carious lesions.
- a3. Apply all recent remineralizing agents, and difficult treatment options for esthetic problems.
- a4. Apply conservative treatment methods.
- a5. Recognize the treatment of all failed restorations using appropriate

<p>b. Intellectual skills: By the end of the course, the student will be able to:</p>	<p>treatment plan.</p> <p>Endodontics: a1. Categorize different techniques, success, and failure of root canal treatment. a2. Outline the needed endodontic emergency treatment. a3. Describe the difference between initial treatment and retreatment.</p> <p>Prosthetic Dentistry: a1. Recognize types of trays, impressions, and impression materials for different edentulous cases. a2. Identify and describe different steps of fixed partial dentures constructions. a3. Describe components of removable partial denture.</p> <p>Oral Diagnosis: b1. Formulate differential diagnosis for various lesions in relation to radio graphical, clinical features and laboratory investigations. b2. Relate information obtained from the patient history to chief complaints. b3. Assess treatment options to be done by the general dentist and those that need referral and consultation.</p> <p>Oral Medicine: b1. Interpret signs and symptoms and physical findings in terms of their anatomical, pathological and functional diagnostic significances. b2. Manage different oral mucosal lesions. b3. Relate the obtained clinical and investigational data base with the evidence- based knowledge and skill of deductive reasoning to be proficient in clinical problem solving.</p> <p>Periodontology: b1. Differentiate between different gingival and periodontal diseases. b2. Formulate periodontal diagnosis, prognosis, and treatment plan for different periodontal conditions.</p> <p>Oral and Maxillofacial Surgery: b1. Assess factors leading to complications in local anesthesia, extraction of teeth, and other surgical problems. b2. Determine factors leading to facial trauma, spreading of infection</p>
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and other emergencies.

b3. Manage pathological conditions of both hard and soft oral tissues.

Pediatric Dentistry:

b1. Demonstrate the basic morphological differences in cavity preparation in clinical procedures for children.

b2. Distinguish the indications for crown preparation and pulp therapy in primary teeth.

b3. Use collected data to evaluate, diagnose and plan treatment for the child patient.

b4. Rating of the child's behavior in the dental office 5. Demonstrate dental soft and hard tissue problems of primary and young permanent teeth.

Dental Public Health:

b1. Analyze the most prominent risk factors affecting the spread of a certain dental health problem including behavioral and social factors.

b2. Design educational messages for different population groups.

b3. Differentiate suitable preventive measures for various risk groups.

Operative Dentistry:

b1. Interpret diagnostic information and findings for an organized treatment plan for patients in need for restorative dental care (problem-oriented treatment plan).

b2. Assess pulpal and gingival responses to cavity preparation and restorative materials.

Endodontics:

b1. Interpret diagnostic findings for treatment of pulpal and periapical disease.

b2. Select the proper treatment options for emergency cases.

Prosthetic Dentistry:

b1. Correlate the basic features of complete denture design with the existing oral anatomical landmarks and analyze the factors leading to complete denture failure from the technical point of view.

b2. Design suitable removable partial denture based on existing intra oral conditions and principles of design.

b3. Design suitable Fixed partial denture based on existing intra oral

<p>c. Professional and practical skills: By the end of the course, the student will be able to:</p>	<p>conditions (single, 3 units and simple veneers cases).</p> <p>Oral Diagnosis: c1. Applying different treatment plans according to each case.</p> <p>Oral Medicine: c1. Apply a brief concise case examination in an informed oral medicine special consent. c2. Practice a comprehensive extra oral and intra oral examination including head and neck, oral hard and soft tissues. c3. Interpret medical and dental history items relevant to the condition of the patient. c4. Compose a prioritized list of tentative diagnosis, differential diagnosis and final diagnosis and treatment.</p> <p>Periodontology: c1. Apply periodontal charting. c2. Practice a comprehensive periodontal examination. c3. Interpret signs and symptoms and physical findings in terms of their anatomic, pathologic, and functional periodontal diagnostic significance. c4. Propose an individualized treatment plan for different periodontal conditions. c5. Manage different gingival and periodontal diseases.</p> <p>Oral and Maxillofacial Surgery: c1. Apply local anesthesia in different intra oral and extra oral locations. c2. Perform extractions for different types of teeth. c3. Assess in removing remaining roots fractured during exodontia and simple impacted teeth. c4. Perform the necessary procedures for controlling hemorrhage and CPR when needed. c5. Apply basic surgical techniques. c6. Perform the necessary procedures for controlling complications of oral surgery both general (medical) and local (surgical) intra-operatively, and post-operatively.</p> <p>Pediatric Dentistry: c1. Apply appropriate behavior management techniques with different types of children. c2. Perform the general principles of cavity and stainless-steel crown</p>
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<p>d. General and transferable skills: By the end of the course,</p>	<p>preparations and restorations on primary teeth. c3. Treat pulpal problems in primary and young permanent teeth.</p> <p>Dental Public Health: c1. Apply topical fluorides and pit and fissure sealants for young children and adults. c2. Deliver a suitable health education message for a target group.</p> <p>Operative Dentistry: c1. Operate the dental chair in relation to correct posture of the clinician. c2. Perform different techniques of moisture exclusion from the operative field in a clinical setting. c3. Detect caries activity, caries risk and caries lesion in a clinical setting. c4. Apply competitively amalgam, composite, and glass ionomer restorations. c5. Perform complex amalgam, anterior and posterior composite restorations with appropriate matrices and retainers.</p> <p>Endodontics: c1. Treat disease of pulpal and periapical tissues. c2. Perform radiograph for proper endodontic treatment. c3. Perform emergency treatment for painful tooth in the form of: pulpotomy, pulpectomy, drainage through the tooth and supportive therapy as analgesics and antibiotics.</p> <p>Prosthetic Dentistry: c1. Fabricate maxillary and mandibular custom trays and record blocks, arrange maxillary and mandibular artificial teeth and process the complete dentures. c2. Construct an acrylic removable partial denture. c3. Construct an endocrown and a fiber post/core assembly. c4. Make an appropriate impression of partially edentulous study cast. c5. Construct a PFM/All ceramic fixed partial denture.</p> <p>d1. Use information technology to gain information for updated knowledge. d2. Master presentation skills and power point.</p>
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<p>the student will be able to:</p>	<p>d3. Recognize infection control policies.</p> <p>d4. Collaborate with peers in an efficient teamwork whether online through Microsoft teams or face to face.</p> <p>d5. Behave ethically with senior staff, colleagues, and patients.</p>
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Internship Program Duration, Curriculum Structure, and Contents:

- It is a compulsory field training program which is conducted after successful completion of the 5 years undergraduate dental program. The new graduate of dentistry is required to undertake a twelve months uninterrupted internship as a fundamental requirement for receiving his/her bachelor’s degree and for full registration as a Dental Practitioner by the Egyptian Dental Syndicate.
- The intern student is instructed to register for a mandatory six months on-campus with the newly developed system of comprehensive care case clinic, including three months including the following specialties: Oral & Maxillofacial Radiology, Operative Dentistry, Endodontics, Fixed Prosthodontics, and Removable Prosthodontics and the other three months in the following specialties: Oral Diagnosis, Oral Medicine & Periodontology, Oral & Maxillofacial Surgery, and Pediatric Dentistry.
- The other six months outside the university in one of the following places; University institutions, educational, and ministry of health hospitals.
- One year /12 months.
- Number of Rounds: 4/6 months.

Title of department	No of month	Code
Oral Diagnosis, Oral Medicine & Periodontology	1	OMED& PERIO
Oral & Maxillofacial Surgery	1	OSURG
Pediatric Dentistry	1	PEDO
Oral & Maxillofacial Radiology	3	X-Ray
Operative Dentistry	3	OPDENT
Endodontics	3	ENDO
Fixed Prosthodontics	3	FPROTH
Removable Prosthodontics	3	RPROTH

Internship Program Follow-up Mechanism:

- The attendance and practices of the interns are monitored during the round by the internship officials in the department in which the intern is registered, and at the end of each round they are evaluated according to the used evaluation methods.
- The log book for each department is reviewed and updated periodically to suit modern training methods.
- It is ensured that the practical and scientific requirements of each department are in line with the objectives and intended training outcomes.
- The faculty interns' supervisors are contacted periodically to learn about the obstacles and challenges they face and try to overcome these obstacles.
- The availability of capabilities and resources required for training is monitored and the available devices are updated to enhance the quality of field training.
- In the event that there are complaints from internship students or internship supervisors, the complaint is studied and a decision is taken regarding these complaints.
- Communication is made with the external parties in which internship students are allowed to train to ensure that they are keen to achieve the desired training outcomes.

Teaching and Learning Methods:

- 1- Lectures
- 2- Seminars
- 3- Practical demonstrations
- 4- Workshops
- 5- Scientific days and meetings

Assessment Parameters:

- 1- Attendance
- 2- Clinical specialty cases
- 3- Multi-disciplinary cases
- 4- Seminar attendance
- 5- Seminar presentation
- 6- Case presentation

Point of Assessment	Mark
1. Clinical and scientific requirement	/50
2. Adhering to instructions and regulations	/ 10
3. Attendance	/ 10
4. Behavior with: <ul style="list-style-type: none">• Patients• Colleagues• supervisors	/ 10 / 10 / 10
Total	/100

- Each student should get a total mark not less than 80 to finish each round and minimum 24 mark in behavior to fulfill the criteria of this point.

Internship Evaluation Method:

Internship evaluation is an important indicator of the effectiveness of the educational program and the skills acquired by students to achieve the targeted learning outcomes through:

- Internship report form (included inside the Log book): At the end of each round, students are evaluated by the faculty members supervising the interns and signed by the supervisor, where the supervisor evaluates the students during the training period in terms of their attendance and practices.

External Training Authorities:

Internship students are also allowed to train in various governmental colleges, educational and ministry of health hospitals to improve and develop internship training.

The Internship Affairs Committee:

No.	Name	Title	Members
1.	Prof. Ahmed Fathallah Shawky	Faculty Dean Head	Head
2.	Ass. Prof. Mohamed Abdel-Hakim	Vice Dean for Education and Student Affairs	Member
3.	Dr. Reham Mohamed El-Banna	Head of Internship Unit	Member
4.	Dr. Sarah El-Sayed Mahgoub	Vice Head of Internship Unit	Member
5.	Dr. Reham Mohamed El-Banna	Internship Coordinator of Oral Diagnosis, Oral Medicine & Periodontology Department	Member
6.	Ass. Prof. Walaa Samir Abdelfattath	Internship Coordinator of Oral & Maxillofacial Radiology Department	Member
7.	Dr. Aya Omar Tawfik	Internship Coordinator of Operative Dentistry Department	Member
8.	Dr. Sarah El-Sayed Mahgoub	Internship Coordinator of Endodontics Department	Member
9.	Dr. Moustafa Mahmoud Mohamed	Internship Coordinator of Fixed Prosthodontics Department	Member
10.	Dr. Reham Alaa El-Sharabasy	Internship Coordinator of Removable Prosthodontics Department	Member

11.	Ass. Prof. Mohamed Ehab Mosleh	Internship Coordinator of Oral & Maxillofacial Surgery Department	Member
12.	Dr. Shereen Shaaban	Internship Coordinator of Pediatric Dentistry Department	Member
13.	Mrs. Mona Abdel-Wahab	Administrator	Member

Evaluation of Internship Program Outcomes:

- At the end of the twelve months training, feedback obtained from the students, the supervisors through a questionnaire.
- Questionnaire asking about the knowledge, skills and the attitude of the interns and their suggestion for improvements.
- After that, the results are collected and analyzed, corrective actions are implemented as well as putting their suggestions into consideration.