

Internship Program In MSA

2020-2021

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Internship Program

Introduction

The Internship Program is a 12-month compulsory training program designed to train students with a Bachelor's degree in Oral and Dental Medicine and it is considered as a complementary year for the Bachelor's degree.

The program was designed in accordance with the regulations and laws developed by the Ministry of Health and the Ministry of Higher Education.

The vision:

Preparing qualified dentists in all fields and specialties of oral medicine and jaw and dental surgery.

The mission:

This program aims to:

Qualifying interns for practicing dentistry independently and achieving the highest international standards professionally and morally in order to successfully compete in various fields of international dentistry.

The main objectives of the internship program are:

1. Increase the knowledge and skills of the Doctor of Excellence.
- 2- Increase the communication skills of the doctor of excellence.
- 3 - Develop the skills of scientific research and continuing education.
- 4- Increase the doctor's awareness of the importance of community therapeutic service.

Learning Objectives:

- 1 - the practice of a high level of therapeutic service, and to ensure that the patient is not in any unnecessary risks.
- 2 - Apply basic knowledge bases in the development of treatment plan for the patient.
- 3 - Application of the highest level of infection in the treatment of the patient.
- 4 - To allow the doctor of excellence to know the limits of his abilities and help him to discover his personal direction of specialization.
- 5 - Increase the doctor's exposure to various medical conditions and training through decision-making and deal with other disciplines.
6. Prioritize tasks and manage time in the clinic.
- 7 - Knowing how to consider the patient's perspective and importance in discussing the treatment plan.
8. Collect and record patients' patient history.
- 9 - Know the health risks that may be exposed to the doctor.
10. Provide health care for patients with special needs and critical situations
- 11 - Organization of work as a team in some cases in the order of treatment plan.
- 12 - Knowledge of materials and raw materials needed and consumed permanently in the clinic and training in the use of different types.
- 13 - The performance of many preparations for digging the teeth non-unfair replacement of the appropriate restoration material to restore the function and aesthetic form.
- 14 - Perform many preparations and crowns teeth properly.
15. Replacement and compensation of missing teeth
- 16 - Treatment of dental roots, including the use of appropriate equipment and devices.
- 17 - Perform a simple surgical procedure such as removal and sewing.
- 18 - Recording procedures and treatments Sunni in the patient's record.
19. Demonstrate competence in the skills of cardiopulmonary resuscitation and breathing.
- 20 - Learn about the wrong practices in the treatment and treatment of teeth.
- 21- Knowledge of the famous and known medicines in dental treatment.
- 22 - Knowledge of drugs prescribed for chronic diseases famous.

Program Management Structure:

Supervisor of the program of internship

Prof Dr Faten Kamel : General Supervisor of the Program

Ass Prof Dr. Samah Mohamed Kamel : Program Manager

Lujayn Amr : Assistant & responsible for the quality work for the program

Nadeen Ashraf: Assistant & responsible for the attendance system for the internship program

Tarek Agmawy : Assistant & responsible for discussing the complaints of the interns

Supervisors in the clinical departments:

1. Ass Prof Dr Mohamed El Baz (Oral Surgery)
2. Dr. Mohamed Yehia (Endodontics)
3. Dr. Ahmed El Hawary (Crown)
4. Dr. Ayman Khalifa (Orthodontics)
5. Ass. Prof Dr. Ghada Mahmoud (Paedodontics)
6. Ass. Prof Dr. Hesham El Gabry (Prosthesis)
7. Ass. Prof Dr. Ahmed Hosam (X-Ray)
8. Dr. Dina Yehia (Operative)
9. Dr. Nada Zazoua (Oral Medicine)

Internship program in MSA

- The MSA university dentistry graduate spends a year practicing in the clinics either in the clinics of the university, The Governmental education universities or The Ministry of health.
- When the graduates committee receives the list accredited from The Ministry of higher education, Temporary graduation certificates are prepared for the graduates so they would be able to apply for practicing outside the university, however for starting inside the university the graduate committee sends a copy of the accredited list to the internship committee.
- At the beginning the interns used to work in one clinic where all of the cases that weren't suitable for the students were sent from all of the departments, But for now the interns are divided on nine clinics.
- Graduates are accepted on 3 batches:
 - 1) Batch starts in September of each year (spring graduates)
 - 2) Batch starts in October (summer graduates)
 - 3) Batch starts in April (fall graduates)
- Before the interns start in the university a meeting is held with them, the meeting is announced through:
 - 1) University website.
 - 2) E-learning.
 - 3) A social media announcement, as there is a page done specially to communicate with the interns named (MSA Dentistry interns)

*Registration policy:

1) Inside the university:

- The graduate committee sends the list of names accredited by the ministry of higher education to the internship committee and the names are allowed to pay and register.
- The registration starts on the 14th of each month by entering the university website and register through The Oracle, and then pay through Fawry.
- The graduates should spend at least 6 months in the university renewable if there is a place available.

They are divided on nine clinics:

- 1) Endodontics
- 2) Conservative
- 3) Fixed prosthodontics
- 4) Removable prosthodontics
- 5) Oral surgery
- 6) Oral diagnosis and periodontology
- 7) Dental radiography
- 8) Paedodontics
- 9) Orthodontics

- The intern isn't allowed to repeat the oral surgery or the endodontic round except after 6 months and this is due to increased demand on these clinics, but for the rest of the clinics they are allowed to repeat after 3 months.
- Division is made after taking the numbers needed from each clinic, each head of department should select the numbers needed according to the dental units and the students' presence as the interns numbers increase during the students' vacations.

The numbers needed:

	Clinic	During the presence of students	During students' vacation
1	endodontics	20	35-45
2	Conservative	15	25-30
3	Fixed prosthodontics	10	20-25
4	Removable prosthodontics	6	15
5	Oral surgery	10	20-25
6	Oral diagnosis and periodontology	15	25
7	Dental radiography	14	20
8	Pedodontics	15	25
9	Orthodontics	8	10

2) Outside the university:

- The intern asks the faculty's secretary for a letter addressed from the university to the direction he wants to spend the internship period in, and that according to a specific list available at the secretary.
- The intern takes a copy of the temporary graduation certificate and a copy of his personal identity card or any identification card.
- If the intern is non Egyptian he needs a security approval too.

*Attendance policy:

- During the internship year, the intern is allowed to take 21 days continuous or separate. However for the sick leaves the intern should provide a proof of his illness and this is presented to the university's doctor for approval or refusal. The sick leave isn't counted from the 21 days.
- The intern starts in all of the departments at 9 o'clock except the oral diagnosis department starts at 8:15 am and day ends for everyone at 3 o'clock.
- For each intern there is a one day of each week besides Friday selected with the intern's supervisor in each department, in case of non-compliance (being late or leaving without permission) it is counted as a half working day.
- In case of absence without permission, the day is counted as 3 days. But if the absence was with permission the intern should compensate in his weekly day off.
- The absence is registered every day in each clinic and the internship committee enroll it in the Google sheet and that is to calculate the absence of all of the interns.
- All of the places outside the university should send the absence of the intern in the disclaimer, all of the days are collected and subtracted from the 21 days, the intern should repeat those days either those in the university or outside it and there for the intern spends 1400 educational hours in the year.

***Evaluation policy:**

There is a log book made for each intern (attached) that contains:

- 1) clinical and official rules
 - 2) ILO's for each department
 - 3) requirements for each department
- In case of the intern's lack of commitment of the requirements, he don't pass the round and should repeat it.
 - A survey is given to the places outside the University for the Evaluation of each intern that they should and give back to the internship committee.

Disclaimer:

- At the end of the internship year the intern brings all of the disclaimers from the places (outside the university) according to the period he spent there and his absence
- The months spent in the university are revised and the absence is calculated, if there are days of absence more than the allowed, they should be repeated.
- All of the internship months should be approved, signed and stamped from the internship committee and all of the papers should be given to the graduates committee for the extraction of the internship certificate and giving the doctor his graduation certificate.
- The internship months that are spent outside of Egypt are not counted, an intern should spend the whole year in Egypt to be counted.
- In case of non-Egyptians, if they don't want to continue the whole year, and they have spent a specific period, the university gives them clinical training certificate and not an internship certificate.

***Clinical & Official Regulations**

- All interns should strictly follow their assigned work days and times
- absence or excuse should be with a written permission from the head of the department
- All interns have to stick to the sterilization cycle times of the clinic.
- Each intern will be responsible for his/her unit.
- Infection control measures should be strictly followed.
- No one is allowed to enter the clinic without wearing a tidy representative white coat.
- No one is permitted to leave the clinic before the work hours without the supervisor's permission.
- Negative attitude with any of the department staff or the patients isn't allowed.
- Uncertified materials or unsuitable instruments are not allowed.
- No one is allowed to work without supervisor's signature for the material and the instruments.
- Violation of any of the clinic rules will subject the candidate to legal responsibilities

***Activities:**

1. Actual clinical training.
- 2- Scientific research.
- 3 - Sessions of a collective presentation of sick cases and discuss the most appropriate treatment methods.
- 4- Volunteer projects for community service.
- 5 - Attend scientific conferences specialized

*** Accomplishments:**

- At the beginning the interns used to work in one clinic where all of the cases that weren't suitable for the students were sent from all of the departments, But for now the interns are divided on seven clinics. In 10-2017 dental radiography clinic was added, and In 11-2017 orthodontics clinic was added.
- Attendance and absence wasn't computerized, registration on the Google sheet started in November 2016, a logbook was made and requirements was set for each department.

Operative Department

Requirements:

Number of cases required:

- 10 Posterior composites (Class I,II) .
- 12 Anterior composites (Class III,IV, V).
- 2 Inlays.
- 1 Bleaching cases.
- 2 Treatment of endodontic treated teeth.
- 3 Composite laminates.

Materials:

(List for the certified company products that are only accepted for the intern clinical work):

- 3M espee
- Bisco
- Voco
- Ivoclar vivadent
- Dentsply

ILO's:

By the end of the course the student must:

1. Recognize recent trends in restorative dentistry.
2. Design appropriate treatment plan for every case
3. Diagnosis all types of dental lesions.
4. Explain different treatment modalities of deep caries.
5. Prepare all types of cavity designs.
6. Manage different clinical dental problems using appropriate equipment.
7. Design conservative line of treatment.
8. Handle different types of restorative materials to restore dental defects.
9. Prevent the incidence or the progression of dental caries.

Removable Prosthesis Department

Requirements:

A total of 30 points are required:

- Complete denture (15 points).
- Single denture (10 points).
- Over denture (15 points).
- Definitive RPD (20 points).
- Temporary RPD per arch (5 points).
- Relining of complete denture (5 points).
- Repair (5 points).

Materials:

- Dentulous & Edentulous aluminum trays size 1,2,3
- Small Curved Scissors
- Alginate impression material
- 2 rubber bowels
- 2 metal alginate spatulas
- Pink wax
- Napkins and napkin holder
- Wax knife and paste knife
- Torch and Torch gas filler
- Zinc oxide impression paste
- Green stick compound
- 2 glass slabs
- Lancet handle
- 5 Blades number 15
- 4 Tongue depressor
- Acrylic burs to be mounted on the straight hand piece
- Articulating paper

ILO's:

By the end of the course the student must:

1. Recognize objectives of complete & partial denture prosthodontics.
2. Recognize anatomy and physiology in relation to complete & partial denture construction.
3. Recognize laboratory work of complete & partial denture construction.
4. Recognize basics of mandibular movements and articulators.
5. Recognize basics of complete & partial denture occlusion.

6. Correlate facial and oral anatomical structures to denture construction
7. Distinguish the indications of the different types of denture base materials.
8. Differentiate between different types of articulators and know when to use each type
9. Discuss the indications and contra-indication of each impression technique.
10. Discuss the different partial denture design.
11. Proper selection of different partial denture components according to function and esthetics.
12. Proper knowledge of advanced complete and partial denture cases
13. Be able to recognize the complains result from removable prosthesis and how to solve it
14. Proper selection and planning of implant supported over denture cases
15. Be able to properly diagnose and treat patient with intra oral or extra oral defect either acquired or congenital

Professional and Practical skills:

Apply steps of clinical work for advanced complete & single denture construction, as different types of impression techniques, jaw relation record, occlusal adjustment, and mounting of jaw relation record on articulators, check on try-in stage, laboratory remounting, denture insertion, clinical remounting and follow up. Also apply steps of clinical work for partial denture construction, as surveying, mouth preparation, different types of impression techniques, occlusal relation, fitting of the frame work, denture insertion and follow up, as well as maxillofacial prosthesis and speech appliance.

Oral medicine Department

Requirements:

- 100 cases Oral and dental diagnosis
- 50 cases Supra and Subgingival scaling
- 4 cases Periodontal surgeries (observation & active participation)
- 5 cases Brief Oral lesions documentation

Materials:

- Diagnostic set.
- Cavitron scalers.
- Hand instruments:
 1. Scalers
 2. curette

ILOs:

By the end of the program the intern student should be able to:

1. Analyze medical information from the patient and clinical & radiographic data to reach the proper dental & oral diagnosis.
2. Be able to make a decision whether to make periodontal surgery or to continue with non-surgical approach
3. Be able to decide which type of periodontal surgery is suitable for each individual case.
4. Perform a complete non-surgical periodontal Treatment for mild, moderate and severe periodontal cases using manual & Ultrasonic scalers.
5. Preparing severe periodontal cases for surgical intervention.
6. Perform basic periodontal surgical techniques on soft tissue “hands-on” workshop on sheep head.
7. Recognize nature, etiology, clinical picture, diagnostic procedures and complications finally the management strategies of the most common oral lesions.

Endodontic Department

Requirements:

15 molars and 5 retreatment cases with full x-rays.

Materials:

- Round tapered stone
- Endo Z bur
- K-files #10 #15 (15-40 45-80)
- H files sizes (15-40 and 45-80)
- Gates Glidden (sizes 1-6)
- Rotary system
- Sealer
- Spreaders (sizes 15-40)
- Auxiliaries and Gutta Percha for obturation
- Paper points
- Condensers
- Glass Slabs and Spatula
- Temporary filling
- Glide/EDTA Gel
- Wrapping
- Plastic syringe
- NaHCl irrigation
- CaOH canal dressing
- X-ray films/sensor
- Rubber dam kit
- Suction tips

ILO's:

By the end of the program the intern student should be able to:

1. Learn different diagnostic skills and all clinically related topics.
2. Diagnosis of Endodontic cases.
3. Basic techniques for endodontic treatment for posterior teeth.
4. Ability to manage retreatment cases.
5. Manage endodontic emergencies
6. Usage of rotary instrumentation system.
7. Comprehend the value of time management and how to utilize available clinical working hours efficiently.
8. Identify the regulations that control the doctor-patient relationship and demonstrate respect to all patients.

Oral Surgery Department

Requirements:

- Pass the pre-round quiz (at least 90%).
- Surgical removal of 2 impacted teeth.
- 20-25 surgical exodontia cases (flaps).
- Making one seminar (power point presentation).
- Applying arch bar.
- Applying different types of sutures.

Materials:

- Needles for Local Anesthesia (short needles & long needles).
- Local Anesthesia Carpules (with vasoconstrictor & plain).
- Topical anesthesia.
- Suture material.
- Surgical blades (no.15).
- Saline.
- Plastic syringes.
- Cotton and Gauze.
- Alveo Gel.
- Over-gloves.
- Wrapping

ILO's:

By the end of this course, the Intern should be able to:

- 1- The review of head and neck history taking, examination and treatment planning.
- 2- Pre-operative planning of the procedure by understanding the value of scientific knowledge will assist in critical thinking and problem based evidence through history taking and clinical examinations. Proper diagnosis is reached accordingly by interactive discussion with the instructor.
- 3- Applying the technique of simple extraction and understand the principle of use of instrument and different types of elevators and complications that may arise from the in-appropriate use
- 4- Recognition and categorize, the instruments used for surgical extraction and the basic principles of flap design, how to remove bone, how to section teeth for easy removal and different suture technique and suture materials. All will be taught in the clinical sessions.
- 5- Know what an impacted tooth is and its classifications. They will localize and diagnose impacted teeth, indications and steps of its surgical removal, postoperative care and instructions after the surgery.
- 6- Perform simple and complicated teeth extraction and how to follow up patient during the post-operative period

- 7- Deal with patients presented to the clinic and having different medical problems (cardiac, respiratory, renal, hypertension, blood disorders, endocrine disorders, neurological, hepatic, and immune-compromised and pregnancy).
- 8- Learn the role of dentist in managing maxillary sinus problems related to dental causes such as oro-antral fistula and different cysts and tumors that may affect the maxillary sinus.
- 9- Diagnose difficulties that may face the prosthodontist to construct a satisfactory denture and different methods to diagnose and correct both soft tissues and osseous problems of the jaws.
- 10- Diagnosis of the infection in the head and neck region and can treat properly and describe the proper Ab to the case.
- 11- Diagnosis of the cyst & tumor masses in the head and neck region and can take biopsy.
- 12- Diagnosis of the trauma cases in dentoalveolar and head and neck area ab can conduct the emergency treatment.
- 13- Diagnosis of the TMJ diseases
- 14- Implement the code of ethics by exhibiting the required professional integrity in conduct, starting from infection control measures, patient communication, and assessment of risk factors and application of all concepts of quality assurance.
- 15- Comprehend the value of recording in the patients' progress note, to imply relevant information.
- 16- Value the importance of interdisciplinary consultation and referral concepts for the patients.

Fixed Prosthodontics Department

Requirements:

- Preclinical Requirement.
- 6 Fully Documented Units.
 - o Optional: Full Mouth Rehabilitation Cases(Groups Are Allowed).
- 2 Remake Cases.
- Seminars (Signed By Staff Members).

Materials:

- Suction
- Wrapping
- Disinfection spray
- Anaesthesia Carpules and Topical Anaesthesia
- Stones
- Trays
- Impression material: (alginate-addition or condensation silicon)
- Retraction cord(00/000/0) and Applicator
- Diagnostic sets
- Contra high and low speed
- Drills for posts according to the case (fiber/metal)
- Glass ionomer
- Resin cement and Resin reinforced GI capsules
- Composite/core build up material
- Temporary crown materials(gun/tips)
- Crown former
- X-ray films

ILO's:

By the end of this course every student will be able to:

1. Define principle of smile design.
2. Identify different conservative approaches as a materials and techniques.
3. Identify CAD/CAM restoration technology.
4. Recognize role of computer in fixed prosthodontics treatment.
5. Compare different materials used in fixed prosthodontics and possible failures and remedy.
6. Identify the different types of implant abutments, implant superstructures and impression techniques.
7. Identify implant cases with esthetic challenges.
8. Identify normal occlusion and possible disorders and line of treatment.

9. Solve problems that need multi-disciplinary treatment.
10. Differentiate between the procedures for fabrication of different implant superstructures by conventional and CAD/CAM techniques.
11. Compare between the accuracy of the different impression techniques.

Internship

Orthodontic department

Requirements:

By the end of the round, each intern should deliver at least 3 of the following appliances:

1. Tongue Guard
2. Expansion plate
3. Space maintainer
4. Night guard
5. Oral screen
6. Hawley retainer
7. Head gear
8. Facemask

Materials:

1. Napkins
2. Gloves
3. Masks

ILO's:

By the end of the round, each student will be able to:

- Acquire the basics of diagnosis.
- Diagnose malocclusion problems.
- Differentiate between different orthodontic problems.
- Evaluate the role of orthodontics in overall patient care (preventive orthodontics).
- Develop treatment plan for simple orthodontic cases.
- Design an appropriate and suitable treatment plan.
- Fabricate simple orthodontic appliances.
- Distinguish cases to refer to specialists.

Dental Radiography department

Requirements:

1. Minimum 12 days working duration.*
2. Minimum 175 case to be radiographed (intra + extra) oral.*

(*Minimum requirements may increase according to each round separately)

ILO's:

By the end of the course the student must:

- 1 Recognize objectives of dental imaging.
- 2 Recognize basic principles of intra oral imaging.
- 3 Recognize basic principles extra oral and panoramic radiography.
- 4 Recognize basics of Digital radiography.
- 5 Distinguish the indications of the different types of intra oral techniques.
- 6 Differentiate between different types extra oral techniques.
- 7 Proper knowledge of advanced modalities.
- 8 Be able to recognize the anatomical land marks in different radiographic modalities.
- 9 Be able to properly interpret jaw lesions.
- 10 Radiographic making of intra oral radiographs, extra oral and panoramic radiography.
- 11 Image detection, image reconstruction and display.
- 12 Secondary reconstruction and image manipulation by software
- 13 Proper interpretation and diagnosis.

Pedodontic Department

Requirements:

Pulpotomy	40+
Extraction	20
Restoration of permanent molars	10
Space maintainer	2
Pulpectomy	3+
Stainless steel crown	5
Apexogenesis or apexification	1-
Composite restoration anterior	2
Strip crown	1

Materials:

- Sterilization sachets
- Examination gloves
- Napkins
- Wrapping
- Band pusher/ seater
- Full set of instruments
- Impression trays
- Anesthesia syringe
- Endo files
- Bite block
- Handpiece (high and low speed)
- Scissors
- short and long needles
- Different burs (should include 330, tapered diamond and finishing composite burs and stones)
- Formcresol
- glass ionomer restorative
- IRM or zinc oxide eugenol
- glass ionomer luting agent
- Saline
- SSC
- strip crown
- Plastic syringes
- Composite, Etch and bond
- Anesthesia 2% and topical anesthesia (gel or spray)

- Metapex
- Calcium hydroxide paste
- Cotton rolls
- Irrigating solution
- Alginate impression material
- Dycal
- Stainless steel bands

ILO's:

At the end of the training month period, intern should be able to:

- Examine a child dental patient and diagnose dental problems
- Apply the basic steps of examination of pediatric dental patient
- Formulate a contingent treatment plan for a pediatric dental patient
- Use Tell-show-do technique to modify the behavior of a young dental patient
- Deliver simple dental treatment procedures for a cooperative pediatric dental patient
- Perform vital pulpotomy procedures for primary teeth, using complete isolation
- Adapt a stainless steel crown for full coverage of primary molars
- Construct and adapt a simple band and loop space maintainer for a single tooth
- Do simple extraction of primary teeth and remaining roots of primary teeth
- Work in a team to collect data and information
- Perform a power point presentation in a professional and confident way.