



Residency Program in Endodontics

Submitted to:

The Palestinian Medical Council

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Summary of the program details (Specialty in Endodontics)

Number of semesters	6
Length of each semester	6 months
Length of program in months:	36 months
Major Specialty	4
Faculty members:	
Assisting (adjunct) faculty members:	
Board certified:	
Ranked Assistant Prof.	
Ranked Associate Prof.	
Degrees/certificates offered:	Certificate of Completion of Residency In Endodontics
Qualification	Eligibility for the Palestinian Board in the Endodontic specialty
Prerequisites:	<ul style="list-style-type: none"> • Dental degree from any national or international dental school • The applicant should Pass the department entrance exam • The applicant should be licensed to practice dentistry in Palestine (for national applicants) or have at least one year experience after graduation (international applicants) • The applicant should be accepted after being interviewed by the program committee
Number of endodontic resident slots per year:	4
Annual leave	21 days
Percent of time spent in courses/lectures/seminars:	20%
Percent of time spent in research:	5%
Percent of time spent in clinical care:	75%

Clinical setting:	teaching clinics Department of endodontics
Average number of nonsurgical procedures completed per resident:	A minimum of 170
Average number of surgical endodontic therapy procedures completed per resident:	A minimum of 20
Average number of multi-disciplinary (esthetic / prosthodontic) cases completed with the contribution of the resident	A minimum of 10
Microscopy	Provided
Research requirements:	A total of three case reports or review articles (one per year). One research project
Facilities:	<ul style="list-style-type: none"> • library • Dental Clinics • Simulation Labs • Dental Technology Lab • Patient Waiting Area • X-Ray and Radiology Department • Sterilization Unit • Parking Areas

1. Introduction

Endodontics is the branch of dentistry that is concerned with the morphology, physiology, and pathology of the human dental pulp and periradicular tissues. Its study and practice encompasses the basic clinical sciences, including biology of the normal pulp, the etiology, diagnosis, prevention and treatment of diseases and injuries of the pulp and associated periradicular conditions.

This New Endodontic Program at the school of dentistry / Al-Quds University is an outstanding education and environment for specialty training. The program accepts 3 candidates each year for a period of 36 months.

The program has been designed to satisfy the needs of those who wish to acquire greater skill, knowledge, and experience in endodontics, as well as a background in biological sciences. The program includes an extensive clinical training where the participant spends not less than 75% of his training period in the endodontic clinics dealing with all types of endodontic therapies. The participant is also enrolled in six theoretical modules covering all essential fields of related knowledge. Seminars, journal clubs and case discussions are held weekly. Program residents are encouraged to conduct research in the specialty and publish a scientific paper.

Each candidate has her/his own operatory and all the necessary instruments and supplies. A chairside assistant is also available if possible to assist the graduate student in his/her daily routine.

2. Goals and Objectives

Clinical Experience

- Provide students with sufficient knowledge and clinical experiences to become proficient in diagnostic data collection, pulpal and periradicular diagnosis, treatment planning and treatment sequencing for complicated endodontic patients.
- Expose students to the biomedical sciences and application of this knowledge to endodontic clinical practice.
- Review of Relevant Professional Literature.
- Provide the students with the opportunity to work with and evaluate new instruments and techniques
- Proficiency using Advanced Clinical Equipment. (e.g., rotary endodontics, dental operating microscope, digital radiography, cone-beam CT)

Patient Care

- Train students to provide endodontic care that addresses patient needs in tooth preservation and function.
- Prepare students to effectively treat the medically compromised and special needs patient.
- Train students to recognize and manage endodontic emergencies in an efficient manner.
- Provide students with a sufficient number of diagnostic, nonsurgical, and surgical clinical experiences.

Communication

- To prepare endodontic residents to effectively communicate knowledge of endodontics, clinical therapies and related diseases to others.
- Patient's Chief Complaint
- Case Presentations

Education

To educate endodontists who possess the knowledge and skills required to critically evaluate the dental literature, research, technological advancements, and therapeutic procedures, and apply this knowledge into their clinical practice.

Research

- Provide instruction and educate the students in the principles of research methodology, design, research protocol development, biostatistics, and data analysis.
- Ensure that those students who select this optional program are capable of conducting and accomplishing a scientific research.

One of the requirements for the successful completion of the endodontic program, is to initiate, conduct, and complete an original novel research. This requirement stems from the conviction that research experience, develops and/or refines habits of critical thinking and reading.

Evaluation and annual accomplishments

Residents are evaluated internally at the end of every year through several exams that are determined by the department and the program instructors. Passing the exams successfully will guarantee upgrading the resident to the next year.

Every resident should pass part I of the Palestinian medical council board exam, preferably at the end of the first year. The resident will comply to any regulations determined by the medical council concerning this part of the exam. The specialty committee of the PMC will hold the exam according to their criteria. Residents will not be allowed to enter their final year (third) unless they pass part I.

3. Curriculum (Plan of the Residency Program in Endodontics)

The study plan of the residency program includes **Three Years of Clinical Training**. The candidate will also be enrolled in theoretical modules related to the field of specialty, seminars, case presentations, and research through the duration of his/ her residency period.

First Year

First semester

From 1st January – 30th June

Day One	Pre-clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 1• Seminar and literature reviews• Case presentation

Endodontic Module 1 covers the following theoretical aspects: (Basic endodontic sciences)

- Advanced Oral Biology (12 contact hours)
- Applied Head and Neck Anatomy (8 contact hours)
- Pulp Biology (12 contact hours)
- Advanced Oral & Maxillofacial Pathology (12 contact hours)
- Current topics in Endodontics

P.S. please note that the resident will serve a fifth day as a duty officer at the department of endodontics

Second semester

From 1st July – 31 December

Day One	Clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 2• Seminar and literature reviews• Case presentation

Endodontic Module 2 covers the following theoretical aspects:

- Biostatistics in Dentistry (12 contact hours)
- Clinical Dental Therapeutics (12 contact hours)
- Advanced Oral & Maxillofacial Radiology (12 contact hours)
- Medical Problems in Dentistry

P.S. The end of the first year is the best time for the resident to enter Part I of the PMC board exam. The resident is expected to pass the exam at this level. Otherwise, he / she should comply to the PMC regulations concerning this exam.

Second Year

First semester

Day One	Clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 3• Seminar and literature reviews• Case presentation and Multidisciplinary discussion

Endodontic Module 3 covers the following theoretical aspects:

- Pain Diagnosis and Control (12 contact hours)
- Education Methods (12 contact hours)

Second semester

Day One	Clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 4• Seminar and literature reviews• Case presentation and Multidisciplinary discussion

Endodontic Module 4 covers the following theoretical aspects:

- Laser in Endodontics (6 contact hours)
- Research Methods & Scientific Writing (6 contact hours)
- Current topics in Endodontics

P.S. please note that the resident will serve a fifth day as a duty officer at the department of endodontics

Third year

First semester

Day One	Clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 5• Seminar and literature reviews• Case presentation and Multidisciplinary discussion

Endodontic Module 5 covers the following theoretical aspects:

- Advanced topics in Endodontics

Second semester

Day One	Clinical Training
Day Two	Clinical Training
Day Three	Clinical Training
Day Four	<ul style="list-style-type: none">• Endodontic Module 6• Seminar and literature reviews• Case presentation and Multidisciplinary discussion

Endodontic Module 5 covers the following theoretical aspects:

- Advanced topics in Endodontics.

4. Clinical Components of the Program Include

- Diagnostic examination and testing procedures
- Evidence-based dentistry and clinical application
- Interdisciplinary treatment planning
- Odontogenic and nonodontogenic differential diagnosis
- Emergency and pain management
- Trauma management
- Bleaching therapy
- Surgical operating microscope magnification
- Initial and retreatment nonsurgical therapy
- Surgical therapy
- Combined endodontic-periodontic therapy and osseous grafts
- Medically compromised patient therapy
- Vital pulp therapy
- Pulp regeneration therapy
- Pediatric therapy
- Post space preparation, and post with core buildup procedures
- Recall assessment
- Digital radiography including CBCT

5. Clinical Requirements

One of the main objectives of this program is that the student has broad cases from all the categories and more that are listed below experience in the different modalities of endodontic therapy. Thus it is essential that the student should complete.

The student is expected to complete not less than 200 cases during his/her graduate program. The breakdown of these cases should be as follows:

a. Non-Surgical root canal therapy (mainly molars)	170 cases
b. Surgical endodontic therapy	20 cases
c. Bleaching	5 cases
c. Contribution in Multidisciplinary Cases	10 cases

Non-Surgical root canal therapy should include a balanced number from the following categories:

- Cases involving diagnostic challenges.
- Providing appropriate emergency treatment procedures to relieve pain and/or resolve swelling.
- Performing the technical procedures involved in root canal treatment for anterior and posterior teeth. These cases must be sufficient complexity and not have undergraduate difficulty. In addition, the cases must show a great deal of diversity and should not show preponderance of one tooth or teeth.
- Correction of procedural errors in access preparation, instrumentation and obturation.
- Case identifying probable cause of failure and non-surgical retreatment.
- Performance of bleaching procedures.
- Provision of endodontic services in cases involving impact injury. Therapy performed for coronally fractured teeth, root fractured teeth, partially displaced teeth and avulsed teeth.
- Clinical management of compromised patients.
- Crown lengthening and forced eruption procedures.
- Apexification and apexogenesis procedures.
- Cases demonstrating post-space preparation and appropriate recommendation for postendodontic restorations.
- Vital endodontics & Revascularization.
- Desensitization of dentin.
- Protection of the dental pulp by means of liners, bases, and or sedative interim restorations.
- Indirect capping of the dental pulp.
- Direct capping of the pulp.
- Vital pulpotomy procedures.

Cases involving diagnostic and technical procedures involved in surgical endodontic therapy including:

- Incision and drainage.
- Periradicular curettage, apicectomy or retrofilling as is appropriate for the case.
- Hemisection or root amputation as is appropriate for the case.
- Surgical repair of perforation or resorption.
- Guided tissue regeneration techniques should be applied where appropriate.

The steps involved in surgical endodontic cases must be photographed for case presentation sessions. Prior arrangements must be made with the audio-visual department for the provision of clinical photographer. Similarly, any interesting conventional cases must also be photographically recorded.

The endodontic program has a long waiting list of patients. The students are required to appoint patients according to the waiting list. However, some cases, referred from other specialty programs that need urgent care can be given priority.

6. Modules Description

6.1 Current topics in Endodontics

Endodontic diagnosis
Case selection
Tooth morphology
Instruments
Cleaning and shaping
Obturation
Dental trauma
Irrigations
Periapical lesions
Pedodontics
Microbiology
Dentine pulp complex
Local anesthesia
Retreatments
Root resorptions
Root fracture
Restorations after RCT
Geriatric endodontics
Bleaching

6.2 Pulp Biology

This course covers the biologic basis of pulp therapy based on classic and current scientific literature, embryology, physiology, and microanatomy of the dental pulp and related structures.

The course reviews the normal and diseased pulp and its relationship to periapical tissues. Emphasis is placed on pulpal, neural, and vascular supply; pulpal defense mechanisms; injury, aging, and retrogressive changes and pulp's response, healing and repair potential of periapical tissues; and histopathology of periapical lesions.

6.3 Oral and Maxillofacial pathology

This course is designed to provide a comprehensive review of Oral and Maxillofacial Pathology for residents of the endodontic program. This course will discuss histopathology, differential diagnosis and management of pathological conditions and common syndromes. The overall goal of the course is to prepare participants to systematically evaluate and work up patients, to arrive at a realistic differential diagnosis, and to direct treatment modalities.

6.4 Biostatistics

Overview

'Biostatistics' provides students with an introduction to key material required for the design, analysis and interpretation of clinical and clinically-related research and the production of a high quality dissertation.

Topics covered include:

- Collection and summary of data
- Sampling and probability
- Estimation and confidence intervals
- Comparing groups and sample size calculations
- Contingency tables
- Correlation and regression
- Reliability and validity
- Systematic reviews and meta-analysis

Aims

The unit aims to produce students who are competent in the data collection, simple analysis and interpretation of clinical or clinically-related research projects. The latter may include medical education, public health and basic-science areas such as genetics, microbiology or biomaterials. Learning outcomes

Learning Outcomes:

On successful completion of the course, students will be able to:

1. identify different types of data and their level of measurement ;
2. carry out basic statistical techniques using SPSS software;
3. understand the key methodological and statistical issues to consider when critically appraising published research;
4. explore the development of a research idea from hypothesis through to interpretation;
5. make a judgment on the credibility of methodology and statistical analysis of research articles with respect to implications for dental clinical practice/future research
6. discuss issues regarding the implementation of research findings; and
7. Understand the key methodological and statistical issues to consider when critically appraising published research.

6.5 Research Methods

Overview

The Research Methods course provides students with an introduction to key material required for the design, execution and interpretation of clinical and clinically-related research and the production of a high quality master thesis.

Topics covered include:

- Library skills: Search strategies: Where and how
- Dissertation skills (time management, academic writing and reference management)
- Designing a study (protocol development, types of data, basic statistics)
- Epidemiology (key concepts and different epidemiological study designs)
- Critical appraisal
- Ethics, research governance and data protection
- Evidence based practice and systematic reviews.

Aims

The course aims to produce students who are competent in issues related to the design, execution and interpretation of clinical and clinically-related research. The latter may include medical education, public health and basic-science areas such as genetics, microbiology or biomaterials. The Research Methods course also provides students with critical appraisal skills so that on a life-long basis they will be able to apply these skills to assess any research evidence that comes before them.

Learning outcomes:

On successful completion of the course, students will be able to:

- Understand basic statistical issues and key epidemiological concepts needed for the development of a study protocol.
- Understand the structure of, and be able to differentiate between, the common types of epidemiological studies.
- Identify different types of data.
- Understand procedures relating to obtaining ethical approval for your research, using the Al-Quds University Ethics Committee application and training materials.
- Define evidence based dentistry and recognize the keys steps involved in its practice.
- Recognize the role of secondary research in Evidence Based Practice (including systematic reviews and clinical guidelines) and basic statistical issues needed for the development of a study protocol.
- Discuss the role of research in a clinical discipline.

- Explore the development of a research idea from hypothesis through to the drawing of conclusions.
- Identify key bibliographic databases relevant to the area of specialty.
- Carry out focused searches to identify research literature relevant to a chosen topic area.
- Develop and implement a framework for successful project/time management.
- Have a clear understanding of the key components of academic writing.

6.6 Teaching Methods and Evaluation

Objectives and Outcomes:

1. Describe advantages and disadvantages of a variety of teaching methods. (e.g., lectures, problem-based learning, case-based learning, seminar, discussion group, experiential learning, service learning, distance education, online education, flip class)
2. Differentiate between educational measurement and evaluation.
3. Describe the differences between norm-reference measurement and criterion-referenced measurement in dental education.
4. Discuss strategies for clinical teaching and creating a positive clinical teaching atmosphere in dental education.
5. Practice creating a positive clinical teaching atmosphere in one of your assigned clinical teaching roles in your Department.
6. Differentiate between educational objectives and outcome measures.
7. Describe the purpose of Bloom's Taxonomy of Educational Objectives.
8. Demonstrate use of defined, "measurable" verbs in educational objectives.
9. Prepare an educational goal/outcome and 2-4 objectives for one session/one chapter in this course.
10. Prepare a one page outline of topics to serve as a handout for students.
11. Present the educational session using appropriate teaching methods for the setting.
12. Prepare an educational goal/outcome and 5-10 objectives for one predoctoral dental lecture or seminar presentation.
13. Use your objectives to design a table of specifications for an examination covering your selected topic.
14. Write 5-10 original exam items (with answers) to evaluate your selected content area.
15. Analyze exam item statistics and make revisions in exam items as needed.
16. Design a pre-doctoral class using online tools.

6.7 Pain Diagnosis and Control

This course offers a general overview of pain. It reviews transmission mechanisms, neurotransmitters and their role as neuroregulators. Various factors affecting pain threshold are discussed. The neurology and classification of head and neck pains are detailed. The neurology and classification of head and neck are discussed.

6.8 Laser in Endodontics

The Laser as an Adjunct Advanced Minimal Invasive Armamentarium in Endodontics

(6 Lectures, Literature seminars, Hands on training and Clinical application)

The goal of this lecture is to introduce the theoretic principles of LASER (light amplification by stimulated emission of radiation) technology. The Introductory and Advanced LASER lectures are designed to allow the participants to quickly access the core physics concepts and achieve clinically useable knowledge to transfer available into daily practice.

These Lectures will define how to select the proper laser for individual applications so the practitioners may consider using, and describes each category of LASER device, how it works, and identify the differences between the light used ,with different wavelength short wavelength Argon (488–514.5 nm); KTP (532 nm); He-Ne (633 nm Diode 635 nm); also near-infrared (700nm-980nm), and mid-infrared Erbiums' Er,Cr:YSGG 2790nm; Er:YAG: 2940nm; and the far-infrared CO2 Lasers (10.6µm,9.6µm.9.3µm).

The lectures will illustrate and outline the select properties of LASER light, explain the LASER light-tissue interaction and initiate the different parameters that can use for diagnosis to detect the pulp vitality, doppler flowmetry, low-level laser therapy (LLLT), Laser fluorescence detection of bacteria. In addition, removal of root canal filling materials and fractured instrument, softening gutta-percha, removal of moisture/drying of canal.

Affective treatment and effective results for pulp capping, pulpotomy, moreover canal preparation, biomechanical preparation, removal of smear layer, sterilization of the root canal, with High-level lasers – photothermal disinfection, Low-level lasers –photodynamic disinfection. Furthermore, consolidate the LASER safety environment requirements, indications and contraindications used in treatment.

6.7 head and neck anatomy

To enhance the resident's knowledge of the anatomical structures of head and neck and their clinical implications.

6.8 Clinical Dental Therapeutics

To provide a foundation for approaching the dental care of a pharmacologically complex patient. To provide the tools to reduce risk and therefore control the liability related to the use of medications in the dental practice. To provide guidelines for the continual evaluation of medication used in endodontics.

6.9 Medical Problems

This course will provide residents with the most updated information concerning the management of the Medically Compromised Patient (MCP) in the dental clinic. Systemic diseases to be discussed include: Cardiovascular and pulmonary conditions, endocrine conditions, pigmentation of oral mucosa, seizures, hepatitis/cirrhosis, renal disease, pregnancy, and detection and management of medical emergencies. The current updates on the disease status, common clinical laboratory test results needed to evaluate the disease, medications currently in use to treat the disease, and drug-drug interactions will be discussed with each disease state.

6.10 Advanced oral and maxillofacial Radiology

This course is designed to provide a comprehensive view on radiographic interpretation and differential diagnosis of pathological lesions, endodontic morphological challenges, root fractures and malformations. Special emphasis will be provided on CBCT and digital radiography.

6.11 Advanced oral Biology

Topics including structural biology, cellular organization and communication cell division, regulation of metabolic processes and gene structure and function will introduce students to aspects of advanced molecular and cellular biology and associated biochemical processes.

6.12 Preclinical Endodontics

The course is designed to develop proficiency in a variety of endodontic instrumentation and obturation techniques before the postgraduate student applies them in the clinical situation.

6.13 Endodontic Specialty Clinic

The graduate students perform diagnosis, management and treatment of patients requiring endodontic therapy.

The program will provide clinical experience, which will enable the students to achieve competence in:

- a. Taking and recording an appropriate medical history
- b. Performing and interpreting the significance of the various tests and examination
- c. Differential diagnosis of oral and maxillofacial pain.
- d. Discriminating between periradicular lesions of pulpal origin, periradicular lesions of non-pulpal origin and normal anatomic structures, which resemble periradicular lesions.

Consultation with other dental specialties will be provided.

The students will be required to fill the sheet of finished cases with the type of cases completed on a daily basis.

The students will be start seeing surgical endodontics cases at the beginning of the second year. The timing has been coordinated with the completion of surgical endodontic review courses.

6.14 Endodontic Seminar

The objective of this course is to review current techniques and philosophies of endodontic practice as presented in current textbooks. **BOOK REVIEW**

6.15 Case Presentation

To provide a forum in which clinical experiences can be shared and in which constructive criticism will benefit not only the presenter, but also all in attendance.

The following information is expected to be typed and documented for the cases presented.

1. Medical History.
2. Oral Examination.
3. Radiographic Examination.
4. Clinical Diagnosis.
5. Treatment Plan
6. Clinical Procedures.
7. Post-operative Evaluation
8. Background Literature.
9. General Documentation.

6.16 Endodontic Literature

To review the current literature for articles pertaining to endodontics;

It is the responsibility of the students assigned to abstract and to copy them for presentation.

Expected topics for literature review:

Pulp capping and Pulpotomy

Perio-Endo

Diagnostic Examination and clinical Testing

Tooth morphology and anatomy of the pulp

Pulpal and periapical Disease

Microbiology

Surgical Endodontics

Perforations

Pharmacology

Local Anesthesia

Endodontic Emergencies

Pulpal response to caries, aging, and Materials

Vertical Root Fractures

Internal and external resorption

Orthodontic Extrusion

Transplantation / intentional replantation

6.17 Advanced Endodontic Specialty Clinic

To introduce, examine, and evaluate the general principles governing surgery. The student will be exposed to various endodontic surgical techniques and instrument armamentarium.

The student, at the completion of the course, should be able to identify those problems that can be best handled by surgical intervention and the techniques that must be employed.

6.18 Multidisciplinary Seminar

Develop a comprehensive treatment plan for any patient requiring endodontic therapy and consult and coordinate endodontic treatment with specialist in other disciplines.

1. Coordination of endodontic - periodontic procedures
2. Pediatric - endodontics
3. Post-endodontic restorations
4. Orthodontic - endodontic relationship
5. Medically compromised Patients
6. Implants
7. Dental informatics

6.19 Prognostic Endodontics

Students will review articles about prognosis of root canal therapy and at the same time they will present their cases with appropriate recall examination findings.

The following topics will be covered

1. Clinical Criteria of Success or Failure
2. Radiographic criteria and its limitations
3. Histologic criteria
4. Causes of Failure
5. Systemic Considerations

7 ضوابط عمل المقيمين في عيادات الاختصاص

المتطلبات السريرية

أحد الأهداف الرئيسية لهذا البرنامج هو أن يحصل المقيم على خبرة سريرية علاجية واسعة. وأن يتعرض المنتسب لجميع تحديات العلاجات اللبية.

وبالتالي من الضروري أن يتم المقيم المتطلبات السريرية التالية:

يتوقع من الطالب إكمال ما لا يقل عن 200 حالة خلال برنامج الاختصاص. يجب أن يكون تفصيل هذه الحالات على النحو التالي:

1. العلاج غير الجراحي لقنوات الجذر (الأضراس بشكل رئيسي) 170 حالة
2. العلاج اللبي الجراحي 20 حالة
3. تبييض 5 حالات
4. حالات بالتعاون مع الاختصاصات الأخرى 10 حالات

البروتوكول السريري

سيتم تحديد مواعيد المرضى بشكل منتظم عندما يكون المقيم في العيادة.

من المتوقع أن يكون المقيمون في العيادة من الساعة 9:00 صباحًا و حتى الساعة 4:00 مساءً أربع أيام بالاسبوع.

يجب على المقيمين اتباع جداول المواعيد المحددة سابقًا ما لم يتم إجراء ترتيبات مسبقة مع المدير السريري.

تقع على عاتق الطبيب المقيم مسؤولية إبقاء مكتب الاستقبال على علم بجدوله الزمني وموقعه في جميع الأوقات.

عند إجراء الموعد الأول ، يجب إبلاغ المريض بما يلي:

1. اسم المقيم ومن يقوم بمعالجة قناة الجذر.
2. يوم ووقت الموعد.
3. إن سياسة العيادة في حال لم يتم الالتزام من المريض بالحضور للموعد لثلاث مرات متتالية أن لا يتم تحديد المزيد من المواعيد له للعلاج في العيادة اللبية.
4. أن يصل المريض قبل 15-20 دقيقة من الموعد المحدد بحيث يمكن الانتهاء من جميع الأعمال الورقية قبل الموعد دون إضاعة وقت العلاج الفعلي. من حق الطبيب المقيم التخلي عن علاج المريض إذا كان المريض غير منضبطافي الحفاظ على المواعيد.
5. يقوم المساعد بإجراء جميع المواعيد المستقبلية بالتشاور مع المقيم وفقًا لجدوله الزمني. يجب تقديم أي تغييرات قام بها المقيم كتابيًا بحيث يمكن تسجيلها في الجدول الرئيسي. يتم ذلك لتجنب الحجز المزدوج.
6. بشكل عام ، يتم علاج جميع مرضى الطوارئ عادة في عيادة الاختصاص . ومع ذلك ، سيتم تعيين طبيبًا مقيمًا من السنة الثانية والثالثة بواقع جلسة واحدة في عيادة الطوارئ للمساعدة في علاج حالات الطوارئ اللبية. يمكن للطالب الخريج رؤية المريض دون أن يقوم المتدرب بفحصه أولاً.

7. يتم إلغاء جميع مواعيد المرضى من خلال المساعد الذي سيقوم بدوره بإبلاغ المقيم بالتغيير.
8. يتم الإشراف على المقيمين من قبل عضو هيئة التدريس في عيادات الكلية أثناء علاجهم للمرضى خلال ساعات العيادة المحددة العادية فقط . و كل طبيب لا يلتزم بهذه المواعيد سيتم تعليق دوامه.
9. أثناء حضور الجلسات السريرية ، يُطلب منك رؤية مريضين على الأقل لكل جلسة ، ما لم تكن تقوم بإجراء انتهاء العلاج كاملا بزيارة واحدة أو إجراء جراحي.

واجبات المساعد

1. توزيع جميع المستلزمات.
2. يقوم المساعد بتزويد الطلاب بصواني معقمة في جميع الأوقات.
3. وجود مساعدين ، خاصة عند إجراء العمليات الجراحية
4. توجيه المريض لقسم الأشعة للتصوير الشعاعي.

واجبات مكتب الاستقبال و تنظيم المواعيد:

من أجل تنظيم المواعيد بسلاسة ، من الضروري التعاون مع مكتب الاستقبال . يتوقع منهم

1. تنظيم دفتر مواعيد المريض.
2. عند وصول المريض ، يتم الاتصال بالمساعدة واعلامها بحضور المريض أو ايصال ملف معلومات المريض لها حتى تتمكن من إبلاغ الطالب بضرورة بدء إنهاء المريض الذي يعمل عليه حاليا.

مخطط المريض وسجلاته

تقع على عاتق الطبيب المقيم مسؤولية الاحتفاظ بجميع مخططات العيادة العادية ومخطط عيادة اللبية . لاكمال مخطط اللبية ، يجب على المقيم الحصول على المعلومات التالية:

1. اسم المريض
2. عنوان المريض ورقم هاتفه
3. سجل كامل للنتائج التشخيصية والتصويرية
4. سجل مفصل كامل للزيارات أو عدم الالتزام بها أو إلغاءها وإجراءات العلاج
5. تحديث معلومات التاريخ الطبي للمريض.
6. إن جميع السجلات الخاصة بالعلاجات اللبية والصور الشعاعية الأصلية هي ملكية لبرنامج اللبية.في حال رغب المقيم بالاحتفاظ بسجل الحالات المكتملة خلال دورة البرنامج ، يجب إكمال مخطط تسجيل مكرر ويجب أخذ أفلام أشعة سينية مزدوجة الحزمة.
7. على المقيم الخريج أن يحتفظ بسجل كامل لجميع الحالات المكتملة العلاج (استخدم النموذج) خلال البرنامج في كتاب تسجيل يتم تقديمه من قبل عيادة الأسنان. سيأخذ الطالب اسم المريض ورقم مخطط الكلية ورقم هاتف المريض والأسنان المكتملة العلاج ونوع الإجراء وتاريخ مراجعة الحالة بعد ستة أشهر و بعد سنة كاملة من تاريخ انتهاء العلاج.

8. الحالات ذات الأهمية الخاصة لدى الطبيب المقيم ،و الحالات التي من الممكن بأن تكون حالات تعليمية جيدة يكون لها تقرير حالة خاصة مرفق بالجدول.و توضع في ملفات التدريس الخاصة.
9. يجب على المقيم الخريج أن يقوم بكتابة جميع المخططات اللبية للمريض بمجرد أن يتم فحص الحالة و سيتم تصنيفها من قبل ضابط ضمان الجودة.
10. الأدوية التي يتم استخدامها محدودة ويجب أن تعرف إجراءاتها الدوائية ، وسميتها ، وموانع الاستعمال. في حالة وجود أي أسئلة ، يمكن استشارة وحدة المعلومات الخاصة بقسم الصيدلة ، في كلية الصيدلة .
11. يجب معالجة المريض الذي لديه تاريخ من الأمراض المعدية في غرفة العزل.
12. يتحمل المقيمون مسؤولية كتابة تفاصيل خطة العلاج ونتائج الفحص وإجراءات الاستشارة والعلاج في ملف المريض ، ويجب ختمها بالختم المعتمد (اسم الطالب - رقم الكمبيوتر - إندو) متبوعاً بتوقيع المشرف المصرح له بالتوقيع.

واجبات المقيم الخريج في العلاجات اللبية

1. يجب على طالب الدراسات العليا توفير الرعاية والعلاج المهني والشامل للمرضى الذين تم تكليفه بهم. سيحتفظون أيضًا بسجل كامل لجميع أنشطتهم على أساس يومي باستخدام التقاويم اليومية كسجل. يُتوقع من طلاب الدراسات العليا تقديم سجلات شهرية ، ومناوبة ، ودورة ، وتقييمات للمحاضرات حسب الحاجة.
2. يحافظ المقيم الخريج في جميع الأوقات على أعلى سلوك مهني مع المرضى وزملائه في الكلية. السلوك غير المهني سبب للتعليق أو الفصل.
3. يجب أن يكون لباس المقيم أنيقا و في منطقة علاج الأسنان يجب ارتداء سترة بيضاء أو ثوب جراحي في جميع الأوقات.
4. يتطلب التشخيص والعلاج المشكوك فيهما أو الصعب التشاور مع طاقم العلاج. سيكون لدى جميع المرضى خطة علاج كاملة ويجب توقيعها على النحو الواجب.
5. الحضور مطلوب في جميع اجتماعات ومحاضرات الأسنان العادية والخاصة.يجب أن يوافق رئيس القسم على أي إجازة من الدورات أو المحاضرات المقدمة. سيتم تسجيل التغيب عن حضور جلسة أو محاضرة مقرررة واتخاذ الإجراءات اللازمة إذا زاد تواتر مثل هذه الغيابات.
6. يخضع المقيمون لإشراف وتوجيه هيئة التدريس. يوجه أعضاء هيئة التدريس جميع جوانب رعاية طلاب الدراسات العليا والمساعدة والمرضى. لن يتم تغيير خطط العلاج الموصوفة دون موافقة هيئة التدريس الحاضرين. يتحمل أعضاء الكادر الحاضرون المسؤولية النهائية في تحديد علاج المريض ، وليس طالب الدراسات العليا.
7. من المتوقع أن يقوم الطالب الخريج بتطوير القدرة على التعامل باستقلالية بالتدريج. ونتيجة لذلك ، سيتم وضع قدر أكبر من المسؤولية على قراراتهم في العلاج السريري.
8. من المتوقع أن يشارك طالب الدراسات العليا اللبية في عملية التدريس و الإشراف على طلاب مرحلة البكلوريوس ما قبل السريرية والسريرية. حيث يسمح بتدريب الطلاب في المراحل السريرية الاولى وبذلك أخذ خبرة التدريس والإشراف السريري لطالب الدراسات العليا. وبالمثل ، قد يُطلب من أحد كبار الخريجين الإشراف على طلاب الدراسات العليا الصغار وتعليمهم عندما لا يكون اعضاء الكادر الحاضرون متاحين.
9. المقيم هو المسؤول عن الحصول على شهادة في الإنعاش القلبي الرئوي.