



**Royal Medical Services**

**Professional Training Division**

**Logbook for Endodontic Residents**

## Explanatory Notes

This is an important document. The logbook is an integral part of basic training and it will provide a record of your experience and your academic and educational activities. It will be part of your assessment as you move through basic training and it will be required for the final year of residency and Board examination.

This logbook is intended to be a record of all procedures you perform or participate in as part of your training.

## Training Posts Held

On this page you are required to list, in chronological order, the posts which you have held during residency program at the completion of each post, the trainer or consultant to whom you have been attached must sign to indicate that you have satisfactorily completed the post. When you apply to sit the final assessment, the trainer or consultant with whom you are attached will verify that the log book is complete and authenticated.

## Educational and Academic Activities

You must record the fact that you have sat for and succeeded the basic board examination. A copy of the Jordan Medical Council Primary board certificate should be included with your logbook. On this sheet, records of attendance at other training courses, meetings, and lectures should be recorded. It is not intended that you record educational activities within the unit to which you are attached. Publications and other personal contributions should be included as well as any involvement in research projects.

The logbook is divided into numbered segments, corresponding to the training posts held. Details of your record of practical procedures should be completed for each of these posts. There is a consolidation page to summarize the record of procedures performed.

Personal details:

Full Name in Arabic:

Full name in English:

National number:

Start date of your residency program:

Your signature: \_\_\_\_\_

Head of the Department: \_\_\_\_\_

Signature & Stamp: \_\_\_\_\_ Date: \_\_\_\_\_

## Training Posts Held

Post number	Hospital	Residency Year	Start Date	Finish Date	Consultant	Consultant signature
1.						
2.						
3.						
4.						
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19.						
20.						

This form should only be signed by the consultant or trainer at the end of the post, provided that the trainee has finished the period of the training satisfactorily.





## **Endodontics curriculum**

The duration of the program is a 3 years' full time training program, upon successful completion of all requirements the trainees will be eligible to sit for the final Jordan board exam, and once the exam is passed successfully the Jordanian's board certificate will be awarded.

### **FIRST YEAR**

#### **Theoretical requirements:**

- 1. Growth, development and histology of head and neck.**
  - a. Branchial arches.**
  - b. Development of tongue.**
  - c. Tooth germs.**
  - d. Eruption.**
  - e. Tooth structures.**
  - f. Histology of dental pulp.**
- 2. Anatomy of head and neck.**
  - General anatomy.**
    - a. Neck triangles.**
    - b. Neck spaces.**
    - c. Salivary glands.**
    - d. Muscles of facial expression.**
    - e. Muscles of mastication.**
    - f. Cranial nerves; trigeminal, facial, glosso pharyngeal, hypoglossal.**
    - g. Blood supply of head and neck.**
    - h. Lymphatic drainage of head and neck.**

□ **Oral and dental anatomy.**

- a. **Lips and cheeks.**
- b. **Teeth (enamel, dentine, pulp and cementum).**
- c. **Anatomy of dentin pulp complex**
- d. **Floor of mouth.**
- e. **Soft and hard palate.**
- f. **TMJ.**
- g. **Tongue.**

**3. Physiology.**

- a. **Saliva.**
- b. **Mastication and swallowing.**
- c. **Jaw reflexes.**
- d. **Taste oral sensation and receptors.**
- e. **Blood, lymphatics and immune mechanism**
- f. **Nerve + Synaptic and Junctional Transmission**
- g. **Physiology of dental pulp**
- h. **Endodontics microbiology.**

**4. General pathology**

- a. **Cell injury.**
- b. **Inflammation and infection.**
- c. **Wound healing.**
- d. **Thrombo-embolism.**



- e. Shock and hemorrhage.
- f. Neoplasia.
- g. Pulpal pathology.

**5. Pharmacology**

- a. Antibiotics.
- b. Analgesics.
- c. Antifungal.
- d. Antiviral.
- e. Local anesthesia.

**6. Instruments, materials**

- a. Manual instruments
- b. Irrigants
- c. Intracanal medicaments
- d. Sealers
- e. Obturation materials
- f. Intermediate restoration materials

**7. Structure and functions of the dentin pulp complex**

**8. Pulp reactions to caries and dental procedures**

**Clinical requirements:**

- 1-To do root canal treatment for 60 anterior teeth
- 2-To do root canal treatment for 60 posterior teeth
- 3-To do 10 cases of vital pulp therapy.

**ALL THE CASES SHOULD BE DOCUMENTED WITH RADIGRAPHS AND PATIENT FILES.**

## **SECOND YEAR**

### **Theoretical requirements:**

- 1- Structure and function of the dentin pulp complex**
- 2- Pulp reaction to caries and dental procedures**
- 3- Pathobiology of primary apical periodontitis**
- 4- Endodontic microbiology and treatment of infections.**
- 5- Diagnosis and management of endodontic emergencies.**
- 6- Orofacial pain mechanism and non-odontogenic toothache.**
- 7- Case selection and treatment planning.**
- 8- Preparation of endodontic treatment.**
- 9- Armamentarium and sterilization.**
- 10- Tooth morphology and access cavity preparation**
- 11- Endodontic Instruments, materials and devices.**
- 12- Cleaning and shaping of the root canal system**
- 13-Obturation of the cleaned and shaped root canal system.**
- 14- The role of endodontics after dental traumatic injuries.**
- 15- Root resorption**
- 16- Vital pulp therapy**
- 17- Endodontic and Periodontal interrelationship.**
- 18- Analgesic in endodontics**
- 19- Local anesthesia in Endodontics**
- 20- Oral Radiology principles and interpretation**

**Clinical requirements:**

**1-To do root canal treatment for 60 anterior teeth**

**2-To do root canal treatment for 60 posterior teeth (advanced & challenging)**

**3-To do 50 cases of retreatment.**

**4-To do 20 cases of vital pulp therapy**

**5. To do 5 cases of periradicular surgeries.**

**ALL THE CASES SHOULD BE DOCUMENTED WITH RADIGRAPHS AND PATIENT FILES.**

## **THIRD YEAR**

### **Theoretical requirements:**

- 1- Restoration of endodontically treated teeth.**
- 2- Pediatric endodontics**
- 3- Geriatric endodontics**
- 4- Rhinosinusitis and endodontic disease**
- 5- Pathobiology of post treatment apical periodontitis**
- 6- Non surgical retreatment**
- 7- Periradicular surgery**
- 8- Regeneration and revascularization**
- 9- Bleaching procedures**
- 10- Interrelationships of endodontics and orthodontics**
- 11- Advancements in Endodontics (materials , devices , techniques)**
- 12- Outcome studies.**
- 13- Nanotechnology in Endodontics**

### **Clinical requirements:**

- 1- To do root canal treatment for 80 posterior teeth (advance and challenging cases).**
- 2- The resident should perform 10 cases of periradicular surgeries.**
- 3- To do 80 cases of retreatment.**
- 4- To do 20 cases of vital pulp therapy**

**ALL THE CASES SHOULD BE DOCUMENTED WITH RADIGRAPHS AND PATIENT FILES.**

## **Reference Textbooks and Journals:**

- **Cohens pathways of the pulp 12<sup>th</sup> edition**
  
- **Ingles endodontics 7<sup>th</sup> edition**
  
- **Textbook and color atlas of traumatic injuries of teeth, 5<sup>th</sup>edition**  
Jens O. Andreasen, Frances M. Andreasen, Lars Andersson
- **Nanotechnology in Endodontics**  
Anil Kishen
- **Handbook of local Anasthesia 7<sup>th</sup> edition**  
Stanley F.Malamed
- **Oral Radiology principles and interpretation 7<sup>th</sup> edition**  
Stauart C.white, Michael J.Pharoah
  
- **Journal Of Endodontics**
  
- **International Endodontic Journal**
  
- **European Endodontic Journal**
  
- **Australian Endodontic Journal**



**Patient's Name:** \_\_\_\_\_

**Age:** \_\_\_\_\_

**Gender:** \_\_\_\_\_

**Chief Complaint:**

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**Medical History:**

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**Dental History:**

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**Extra-oral Examination:**

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**Intra-oral Examination:**

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**Vitality Testing:**

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**Radiographic Findings:**

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**Diagnosis:** \_\_\_\_\_

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**Treatment Plan:**

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**Summative evaluation:**

**5: excellent      4: very good      3: good      2: poor      1: unacceptable**

<b>Clinical and technical skills</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Problem identification</b>					
<b>Patient management</b>					
<b>Emergency treatment</b>					
<b>Procedure skills</b>					
<b>Descriptive evaluation :</b>					
<b>Personal and professional maturity</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Punctuality</b>					
<b>Emotional and professional maturity</b>					
<b>Relationship with other medical personnel</b>					
<b>Applying ethical principls in patient care</b>					
<b>Communication skills</b>					
<b>Descriptive evaluation :</b>					

	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Overall performance</b>					
<b>Descriptive evaluation :</b>					

<b>Recommended to sit for exam:</b>	Yes	No
<b>If No why:</b>		

**The resident eligibility for exam should include:**

- 1. Overall evaluation should not be less than 3**
- 2. Lack of any documented misconduct or unethical behavior**

**Supervisor name and signature**

\_\_\_\_\_

**Program director signature** \_\_\_\_\_

**Chief of department name and signature** \_\_\_\_\_