



**Royal Medical Services**

**Professional Training Division**

**Curriculum for Orthodontic Residents**

## **Orthodontics 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 Jordan board certificate will awarded.

### **Contents Orthodontic Program**

1. Lectures
2. Seminars
3. Pretreatment clinical conferences
4. Research activities
5. Library hours
6. Journal club
7. Laboratory work
8. Supervision of undergraduate or more junior student
9. Participation in new patient clinics
10. Participation in multidisciplinary clinics

### **Obligatory Subjects And Courses**

1. Basic Orthodontic Subjects **15%**
2. General Orthodontic Subjects **30%**
3. Orthodontic techniques **20%**
4. Multidisciplinary treatment procedures **15%**
5. Specific treatment procedures **10%**
6. Medical sciences related to orthodontics **10%**

# First year

## Theoretical requirements

### A. Basic Orthodontic Subjects : علوم تقويم الأسنان الأساسية :

1. Embryology of head and neck
2. Growth and development
3. Craniofacial syndromes
4. Cleft lip and palate
5. Occlusion
6. Temporomandibular joint dysfunction syndrome
7. Tooth movement
8. Cephalometrics
9. Orthodontic materials
10. Friction
11. Wire bending skills
12. Physiology of breathing, speech, swallowing and mastication
13. Medical problems in dentistry
14. Child psychology
15. Infection control
16. Physical principles in orthodontics

### B. General Orthodontic Subjects: علوم تقويم الأسنان العامة:

1. Etiology of malocclusion
2. Diagnostic procedures
3. Orthodontic case assessment and treatment planning

### C. Medical sciences related to orthodontics: العلوم الطبية ذات العلاقة:

1. Cardio-pulmonary resuscitation (CPR)
2. Risk management
3. Practice management
4. Ethics
5. Epidemiology
6. Biostatistics
7. Research methodology
8. Pharmacology
9. Pain and anxiety control

## **Clinical Requirements**

1. The resident should be able to take patient history, intra and extra oral examination, Diagnosis and treatment planning.
2. The resident should be able to order, read and analyze laboratory test and radiographs
3. The resident should do full assessment of 40 orthodontic cases (Clinical, radio graphical, study models)
4. The resident should master wire bending skills.

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

After passing the first year exam the resident will be eligible to do primary exam (part one) of the Jordan Medical Council Board.

# Second year

## Theoretical requirements

### A. General Orthodontic Subjects: علوم تقويم الأسنان العامة

1. Etiology of malocclusion
2. Diagnostic procedures
3. Orthodontic case assessment and treatment planning
4. Early orthodontic treatment
5. Treatment of local dental problems
6. Treatment of antero-posterior, vertical and transverse problems

### B. Orthodontic techniques and appliances: أساليب و وسائل المعالجة التقويمية

1. Removable appliances
2. Functional appliances
3. Orthopedic appliances
4. Bonded fixed appliances
5. Non-compliance appliances and class II correctors
6. Retention appliances

### C. Medical sciences related to orthodontics: العلوم الطبية ذات العلاقة

1. Preventive dentistry
2. Oral hygiene
3. Behavior management
4. Speech pathology
5. Orthodontic history
6. Radiology and other imaging techniques
7. Dental photography
8. Genetics and orthodontics

### D. Clinical Requirements

1. 10 new orthodontic cases.
2. Follow up of the 40 cases.

# Third year

## Theoretical requirements

Multidisciplinary treatment procedures: أساليب و خطوات المعالجة التخصصية المتعددة

1. Cleft lip and palate treatment
2. Orthodontic-surgical treatment (oral surgery and orthognathic surgery)
3. Orthodontic-periodontal treatment
4. Orthodontic-restorative treatment (restorative and implantology)
5. Orthodontic-endodontic phase
6. Management of impacted teeth

Specific treatment procedures الأساليب والخطوات لمعالجة حالات معينة

1. Airway obstruction
2. Management of cases with craniofacial syndromes
3. Management of cases with systemic diseases
4. Management of cases with developmental anomalies
5. Tempromandibular joint dysfunction syndrome
6. Adult orthodontics

## Clinical requirements

- A. To finish at least five complete cases documented with patient files, radiographs, photos, and models.
- B. All the cases should be documented with pradiographs ,photos,models and patient files.

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