



Asst. Prof.
Dr. Mostafa
Sultan



Dr. Ahmed
Henawy



Dr. Omar
Farouk



Prof.
Dr. Omar
Fawzi



Prof.
Dr. Trefa
Mohammed



Asst. Prof.
Dr. Shaho
Ziad Talabani



Asst. Prof.
Dr. Adham
Amin



Asst. Prof.
Dr. Hadi
Mohammed



IN ERBIL PFOC 9

PROFESSIONAL COURSE OF FIXED ORTHODONTIC

28 MODULES
12 Months

24 Days Theory & Workshops
16 Module Clinical
8 Well known speakers
01 Professional Year



"For Registration"
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IN ERBIL PFOC 9
PROFESSIONAL COURSE OF FIXED
ORTHODONTIC

MODULE 1





**Asst. Prof.
Dr. Mostafa Sultan**



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Module 1

DAY1

1-Introduction and regional of orthodontic treatment

- Orthodontic treatment what,when, why?
- Sequela of untreated malocclusion
- limitation of orthodontic treatment

3-Classification of malocclusion

- No menclature of individual tooth malposiotion
- different classification for malocclusion, angel, British STANDARD INCISOR CLASSIFICATION, ACKRYMAN PROFIT CLASSIFICATION, ETIOLOGIC CLASSIFICATION, SKELETAL CLASSIFICATION

2-Occlusion in orthodontics

Occlusion patterns

- Occlusion concept from orthodontic perspective
- 6 keys of normal occlusion
- functional occlusion





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Module 1

DAY2

1-Growth and development of head and neck

- concepts and theories of growth malposition
- Growth Curves
- Prenatal and postnatal growth
- clinical implications of growth in orthodontics

2-Development of normal dentition

- Eruption sequence, mechanisms
- Criteria of each dentition stage (gum pads, primary, mixed, permanent dentition)
- Arch dimensions, spaces, molar relation change throughout transition between dental stage

3-Etiology of malocclusion

- General etiologic factors
- Local etiologic



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MODULE 2





**Dr. Ahmed
Henawy**



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Module 2

DAY1

1-Diagnosis of orthodontic problems

Importance of diagnosis

- Essential and nonessential diagnostic aids
- History, extra oral examination, intraoral examination, functional examination, radiographic examination and problem list formulation

3-Cast Analysis

- Orthodontic casts criteria

4-Smile Analysis

- Concepts of esthetic smile
- Parameters of smile which affects the treatment aims and planning

2-Cephalometric analysis

Indications and limitations

- Different cephalometric analysis
- Cephalometric readings interpretation and integration in treatment planning





**Dr. Ahmed
Henawy**



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Module 2

DAY2

Photography in Dentistry

- Basics of digital photography
- Exposure triangle
- Photography tools and accessories
- Dental Photography Technique

Hands On Diagnosis and photography

- Cast Analysis
- Cephalometric tracing and analysis (Manual and digital)



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MODULE 3





**Dr. Omar
Farouk**

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Module 3

DAY1

1-Treatment planning principles

Timing oftreatment

- Facial aims oforthodontic treatment
- Occlusal aims oftreatment

2-Extraction Vs. Non Extractiondebate

Indication, contraindication ofextraction and non extraction

- Different effects ofextraction decision
- Factors affecting extraction decisions
- Extractionpatterns inorthodontics

DAY2

3-Methods of space gaining

- InterProximal stripping, techniquesindications, contraindications.
- Arch expansion, types, effects, indications, contraindication
- Distalization techniques, indications, contraindications
- Incisors proclamation



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MODULE 4





Prof.
Dr. Omar Fawzi



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Module 4

DAY1

1-Orthodontic materials and instruments

- Different brackets materials and designs
- Arch wire materials
- Bonding materials
- Orthodontic instruments

2-Fixed appliances

- Evolution of fixed appliances from edgewise to straightwire
- different brackets prescriptions
- Indications and contraindications

DAY2

4-Bracket placement and fixed appliance management hands on

- Bonding protocol
- Bracket placement on typodont
- Direct and indirect bonding
- engaging wires
- Tigation methods
- Powerchains, coil springs management
- Elastics

3-Bracket placement and bonding procedure

- Philosophy of bracket placement
- individualized bracket positioning
- Bonding procedure



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MODULE 5





Prof.
Dr. Omar Fawzi



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Module 5

DAY1

1-Biology of tooth movement

- Theories of tooth movement
- Periodontal response to orthodontic force

DAY1

2-BIOMECHANICS

- **BASICS OF BIOMECHANICS, VECTORS FORCE ANALYSIS, CENTER OF ROTATION, CENTER OF RESISTANCE**
- **TYPES OF TOOTH MOVEMENTS**
 - **MOMENT FORCERATION**
- **TYPODONT WORKSHOP AND WIRE BENDINGS**



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MODULE 6





**Asst. Prof.
Dr. Hadi Mohammed**



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Module 6

DAY1

1-Anchorage planning

- Types and classification of anchorage
- Factors affecting the anchorage
- Anchorage management and provision

3-Stage 2 Space

- Biomechanics of space consolidation
- Friction vs frictionless space closure
- diastema closure, canine retraction, enmass retraction, molar protraction
- Space opening

5-Wirebendinghands on

- Basics of wire bending
- uprighting springs
- cantilever arms
- closing loops
- finishing bends, 1st, 2nd, 3rd order bends

2-Stage1 lveling and aligning

- Aims of leveling and alignment
- Leveling arch wire criteria
- archwire sequence
- Leveling, crowding symmetric and asymmetric, occlusal plan, high canines

4-Stage3 Fnishing

- Importance of finishing
- esthetic aims of finishing
- occlusal aims of finishing
- finishing techniques





Asst. Prof.
Dr. Hadi Mohammed



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Module 6

DAY2

**GETTING STARTED WITH (FIRST GROUP): CASE SELECTION,
EXAMINATION, RECORDS, DIAGNOSIS & TREATMENT PLANNING**



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MODULE 7





**Asst. Prof.
Dr. Adham
Amin**



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Module 7

DAY1

1- Class I Malocclusion

- Diagnosis of CI malocclusion
- Crowding, spacing, ectopic eruption
- Individual tooth crossbite
- Bimaxillary protrusion

2-Management of malposed teeth

- Etiology
- Diagnosis and localization of malposed teeth
- Factors affecting the decision of treatment
- interceptive procedures
- management of malposed canines
- management of malposed centrals

Day2

Getting Started with (Second Group) :
Case selection,
Examination, Records, Diagnosis
& Treatment planning



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MODULE 8





**Asst. Prof.
Dr. Adham
Amin**



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Module 8

DAY1

2-Class II DivI Malocclusion

- Diagnosis
- Etiology
- Growth Modification
- Camouflage

2-Class II Div2 Malocclusion

- Diagnosis
- Etiology
- Growth Modification
- Camouflage

Day 2

**Patient follow up and training,
discussion, debate**



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MODULE 9





**Asst. Prof.
Dr. Mostafa Sultan**



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Module 9

DAY1

1-Class II Malocclusion

- Diagnosis
- Etiology
- Growth Modification
- Camouflage

DAY2

2-Cross Bite

- Diagnosis
- Etiology
- Growing patient
- Non Growing patient

5-Smile Correction

- Orthodontic smile design Management

3-Open Bite

- Diagnosis
- Etiology
- Growing patient
- Non Growing patient

4-Deep Bite

- Diagnosis
- Etiology
- Growing patient
- Non Growing patient



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MODULE 10





**Prof.
Dr. Trefa
Mohammed**

DAY1



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Module 10

1-Management of hypodontia

- Definition of hypodontia
- Managing of congenitally missed teeth

2-Adult orthodontics

- Differences in treatment planning between adolescent and adult patients
- Different strategies to deal with adult malocclusions

3-Orthodontics and restorative

- Orthodontic planning to aid restorative procedures
- Ortho and implants
- Uprighting, space opening, space redistribution

4-Orthodontics and oral surgery

- Different surgical procedures used with orthodontics
- Frenectomy, surgical exposure extractions

5-Orthodontics and periodontics

- Role of periodontal condition in orthodontic treatment
- Periodontal procedures in orthodontics





**Prof.
Dr. Trefa
Mohammed**



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Module 10

DAY1

Habit Breaking

Diagnosis & Treatment
Habits related to malocclusion
Habit breaking appliances

Iatrogenic effects of orthodontic treatment

Orthodontic deleterious effects on face
Bone, Mucosa periodontium, enamel
Roots, Pulp

DAY2

**Patient follow up
discussion, trainings, and quiz.**

Self Ligating appliances

Evolution of self ligating
Philosophy of self ligating appliances
DAMON appliances



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MODULE 11





**Asst. Prof.
Dr. Shaho
Ziad Talabani**

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Module 11

DAY1

6-Retention

- Principles of retention
- Retention on class II Correction
- Retention on class III Correction
- Retention on deep bite correction

- Retention on anterior open bite correction
- Retention on Lower incisor alignment
- Timing of retention: Summary
- Most advanced retention protocol

DAY2

Patient follow up and discussion, trainings, and quiz



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MODULE 12





**Asst. Prof.
Dr. Hadi
Mohammed**

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Module 12

DAY1

Digital Orthodontics

**Indirect Bonding and
customized brackets**

DAY2

**Patient follow up and
discussion, trainings.**



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MODULE 13+14





Asst. Prof.
Dr. Shaho Ziad Talabani



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Module 13 + 14

DAY1

Absolute Anchorage Control

History and evolution

Indication

Design

Surgical Techniques

Clinical Uses

Failure of Control

DAY2

Final Exam





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