

JAZD TMD & Occlusion Course

Ziad Al-Ani

Day 1

TMD in Dental Practice: A Problem-Based Approach

Examining the articulatory system for making a Diagnosis of the most common TMDs

Upon completion of this educational activity, the participants should be able to understand:

Good History Taking
Examining of the articulatory system

Making a Diagnosis of Disc Displacement with Reduction (DD):

Upon completion of this educational activity, the participants should be able to understand:

- How to examine pain and tenderness of a TMJ
- How to Palpate TMJs
- How to perform Auscultation
- How to examine the lateral pterygoid muscle
- The use of MRI in the diagnosis of DD

Active Treatment of Disc Displacement with Reduction

Upon completion of this educational activity, the participants should be able to understand:

- When and How to treat DD
- The use of Anterior Repositioning Splint (ARPS) in the management of DD

Making a Diagnosis of Disc Displacement without reduction

Upon completion of this educational activity, the participants should be able to understand:

- How to differentiate between Disc Displacement with Reduction and Disc Displacement without Reduction

Management of Disc Displacement without Reduction

When and how to refer cases of Disc Displacement without Reduction

Myofascial Pain and Degenerative Diseases of a TMJ

Upon completion of this educational activity, the participants should be able to understand:

- History taking and clinical examination
- How to examine the temporalis and the masseter

The use of Stabilisation Splint in the management of MP

Upon completion of this educational activity, the participants should be able to understand:

- Bimanual manipulation in finding CR
- Recording CR
- How to make a stabilization splint
- How to balance a stabilization splint

Osteoarthritis

Upon completion of this educational activity, the participants should be able to understand:

- Diagnosis and Management of Osteoarthritis
- Physiotherapy in the Management of OA

Day 2

Occlusion in Dental Practice

Occlusion in Simple Restorative Dentistry

Upon completion of this educational activity, the participants should be able to:

- Understand the conformational approach
- How to record Dynamic Occlusion
- How to finding centric relation and recording it and knowing the clinical importance of this procedure

Recording the Occlusion

Upon completion of this educational activity, the participants should be able to:

- Record static occlusion using an innovative technique
- Record Dynamic Occlusion
- Finding centric relation and recording it and knowing the clinical importance of this procedure

Facebows and Semi-Adjustable Articulators

Upon completion of this educational activity, the participants should be able to:

- Adequately use the facebow
- Transferring records to an articulator
- Effectively use the semi-adjustable articulator

Bruxism: Consequences and Management

Upon completion of this educational activity, the participants should be able to:

- Recognizing active signs of bruxism
- Planning treatment in bruxism patients
- Management of bruxism including occlusal appliances

Occlusion in Advanced Restorative Dentistry

Upon completion of this educational activity, the participants should be able to:

- Formulate a good treatment planning in advanced restorative care
- Consider occlusion in treatment planning
- The use of facebows and articulators

Management of Severe Tooth Surface Loss Cases

Upon completion of this educational activity, the participants should be able to understand:

- Indications of splints in the management of severe tooth surface loss
- How to increase OVD (Clinical Cases)
- Copying the guidance

Day 3

Hands-On Clinical Sessions in Dental Surgeries

The third day of the course is entirely dedicated to hands-on clinical experience. Participants will rotate through fully equipped dental surgeries and apply the knowledge gained from the previous two days in a supervised, clinical setting. This immersive practical component ensures that participants leave the course with both theoretical understanding and real-world clinical skills.

Practical Objectives:

Upon completion of this educational activity, participants should be able to:

- Carry out a comprehensive clinical examination of patients presenting with TMD and occlusal problems.
- Practice accurate history taking focused on temporomandibular disorders.
- Palpate the muscles of mastication and TMJs confidently to detect tenderness, clicking, crepitus, or other abnormalities.
- Use auscultation techniques to identify joint sounds and interpret their significance.
- Perform bimanual manipulation to locate centric relation in live patients.
- Record static and dynamic occlusion using innovative and clinically applicable methods.
- Use facebows to transfer occlusal records to articulators.
- Fabricate, fit, and adjust stabilization splints and anterior repositioning splints under supervision.
- Recognize signs of bruxism in a clinical setting and rehearse management strategies, including occlusal appliances.
- Observe and participate in real case discussions, including when to refer to specialist care for degenerative joint disease or advanced TMD presentations.