

Curriculum: MDS(Orthodontics&DentofacialOrthopaedics)

Learning Outcomes

Knowledge and Understanding

(Align with University Educational aim i –iv)

1. The student should be able to critically read the orthodontic literature and demonstrate an understanding of the discipline of Orthodontics and the basic and applied science that underpins it.
2. The student should be able to apply theoretical knowledge to the clinical situation.
3. They should be able to present the results of their critical analysis of the literature or their own audit/research work effectively to colleagues at seminars.
4. They should be able to demonstrate self-analysis and criticism of personal standards of treatment.
5. They should show the ability to synthesize information to reach logical conclusions; self-reflection.

Skills and Other Attributes

(Align with University Educational aim i –iv)

Intellectual skills

1. The student will be able to undertake an orthodontic examination; make a diagnosis and formulate a treatment plan or refer if appropriate, taking account of any medical problems; level of oral health and the patients' wishes.
2. They will be able to diagnose anomalies of the dentition, facial structures and functional conditions.
3. Detect deviations in the development of the dentition or facial growth or dento/facial function.
4. They should be able to evaluate the need for orthodontic treatment.
5. They should understand the psychological aspects related to Orthodontics.
6. They will be able to formulate the plans for and carry out interceptive orthodontic measures.
7. The student will be able to execute simple and complex treatment procedures using removable and contemporary fixed orthodontic appliances.
8. They will be able to demonstrate an understanding of the multidisciplinary approach to the treatment of adults; compromised patients; orthodontic surgical cases and cleft lip and palate patients.
9. The student will develop a scientific attitude; an inquiring mind and the skills in scientific methodology necessary to complete and present a dissertation.
10. They will be able to prepare oral and written presentations of clinical and research findings.

Subject-specific/practical skills

The student will:

1. demonstrate their ability to use removable and functional appliances and at least one type of fixed appliance system in several different clinical situations, whilst understanding the limitations of the different treatment modalities and their own skills. They should know their own limits of competency.
2. understand the concept of relapse after active treatment and be able to prescribe; fit and monitor appropriate retention appliances.
3. demonstrate the ability to keep good clinical records.
4. have a knowledge of study models construction, removable and functional appliances as well as specific fixed appliance components.

Transferable/key skills

(Align with University Educational aim iv-vi)

The student will be able to:

1. review and critically assess the literature.
2. access information from a variety of sources.
3. interpret, express and transmit knowledge and concepts to a variety of audiences.
4. demonstrate skills in record keeping and communication with colleagues.
5. Adhere to personal and professional ethics