

## **SECTION-4A**

### **CHAPTER-3**

## **ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**

The subject of Orthodontics and Dentofacial Orthopaedics is directed toward providing the dental student with the knowledge and skills necessary to recognize a developing or established malocclusion, provide preventive and therapeutic treatment within the scope of the general dental practice, consult as a team member with the specialist, refer cases requiring specialist care as appropriate, and coordinate comprehensive care of the patient. Didactic and laboratory exercises provide a strong foundation for delivery of limited orthodontic treatment as part of an adult and child patient's comprehensive dental care.

#### **4A.3.1.b. Objectives:**

The training programme in this subject is to structure and achieve the following objectives.

##### **Knowledge and Understanding:**

1. The dynamic interaction of biologic processes and mechanical forces acting on the stomatognathic system during orthodontic treatment
2. The etiology, pathophysiology, diagnosis and treatment planning of various common Orthodontic problems
3. Various treatment modalities in Orthodontics: preventive interceptive and corrective
4. Basic sciences relevant to the practice of Orthodontics
5. Interaction of social, cultural, economic, genetic and environmental factors and their relevance to management of oro - facial deformities.
6. Factors affecting the long-range stability of orthodontic correction and their management
7. Personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste, keeping in view the high prevalence of Hepatitis and HIV and other highly contagious diseases.

##### **Skills:**

1. To obtain proper clinical history, methodical examination of the patient, perform essential diagnostic procedures, and interpret them and arrive at a reasonable diagnosis about the Dentofacial deformities.
2. Should be competent to fabricate and manage the most appropriate removable appliance (active or passive) for the treatment of any orthodontic problem to be treated singly or as a part of multidisciplinary treatment of oro-facial deformities.

##### **Attitudes:**

1. Develop an attitude to adopt ethical principles in all aspects of Orthodontic practice.
2. Professional honesty and integrity are to be fostered
3. Treatment care is to be delivered irrespective of the social Status, cast, creed or colleagues
4. Willingness to share the knowledge and clinical experience with professional colleagues
5. Willingness to adopt, after a critical assessment, new methods and techniques of orthodontic management developed from time to time based on scientific research, which are in the best interest of the patient.
6. Respect patient's rights and privileges, including patient's right to information and right to seek a second opinion.

7. Develop attitude to seek opinion from allied medical and dental specialists as and when required

#### **4A.3.1.c. OUTCOMES**

1. Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular Dentofacial problem and to obtain a true informed consent from them for the most appropriate treatment available at that point of time.
2. Develop the ability to communicate with professional colleagues, in Orthodontics or other specialities through various media like correspondence, Internet, e-video, conference, etc. To render the best possible treatment