

MDS IN ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

The following objectives are laid out to achieve the goals of the course. These are to be achieved by the time the candidate completes the course. These objectives may be considered under the following subtitles

KNOWLEDGE

By the end of 36 months of training, the candidates should be able to

- Diagnose the cases properly with the help of Lateral Cephalogram, OPG, Models, Photographs and Clinical evaluation that will include contemporary management of Orthopedic, Orthodontics & Orthognathic discrepancies.
- Demonstrate understanding of Basic Sciences as relevant to Orthodontics & Dentofacial Orthopedics.
- Identify social and economical determinants in a given case and take them into account for orthodontic planning and execution at an individual and community level.
- Ability to master diagnosis and recognize conditions that may require multi-disciplinary approach or a clinical situation outside the realm of the speciality, which the trainee should be able to recognize and refer to appropriate specialist.
- Update themselves by self-study and by attending basic and advanced courses, conferences, seminars and workshops.
- Ability to teach/guide colleagues and other students.
- Awareness programs through camps to educate the masses and the school going children about orthodontic problems.
- Use information technology tools and carry out research both basic and clinical with the aim of publishing their work and presenting the same at scientific platform.

SKILLS

- Take a proper chair side case history, examine the patient and perform medical and dental diagnostic procedures and as well as perform relevant tests and interpret to them to come to a reasonable diagnosis about the dental conditions in general and Orthodontics in particular and undertake complete patient monitoring including pre orthodontic as well as post Orthodontic care of the patient.
- Perform all removable, fixed, orthopedic, orthognathic, implant and all the management of cleft lip and palate cases as a part of multi-disciplinary approach to clinical condition.
- Have a thorough knowledge of infection control measures in the dental, clinical environment and laboratories.

COURSE CONTENTS

- Applied anatomy of Head & Neck
- Development of teeth
- Applied physiology
- Pathology
- Microbiology
- Pharmacology
- Research methodology
- Applied dental materials
- Orthodontics & Dentofacial orthopedics

TRAINING PROGRAMME FOR MDS IN ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

The candidates undergoing the post graduate training in orthodontics will be required to fulfill the following requirements before appearing to qualifying examination.

- i. Training program in pre-clinical exercises
- ii. Training program in clinical work

- iii. Teaching assignments
- iv. Seminars
- v. Journal clubs
- vi. Case discussions
- vii. Dissertation
- viii. Library dissertation