MDS in Pedodontics and Preventive Dentistry

The objectives necessary in pursuance of the course are mentioned below that are to be achieved by the time the candidate completes the course.

Knowledge:

By the end of 3 year course, the candidate should be able to:

- Describe etiology, pathogenesis, diagnosis and management of common and uncommon clinical situations that will comprise dental caries, dental traumatic injuries, pulpalpathosis.

- To master the diverse treatment aspects in pedodontics like preventive and interceptive orthodontics, minor oral surgical procedures, pediatricendodontics, management of special child, pharmacological and non-pharmacological behaviour management, pediatric prosthodontics, child psychology.

- To educate the parents at personal and community level regarding prevention of Early childhood caries, Infant oral health.

- Ability to recognize conditions that may require multidisciplinary approach, outside the dominion of the speciality.

- Apprise his/her knowledge by self study and by attending basic and advanced courses, conferences, seminars, workshops, continued dental education in the speciality of pediatric dentistry

- Enhance the ability to teach/guide colleagues and other students

- Carry out research with the aim of publishing his/her work and presenting the same at scientific platform.

- Augment his/her knowledge and skills by utilizing information technology tools.
• Enrich his skills by appropriate use of special equipments and facilities available in the department.

Skills:
• Take proper chair side history, assess the behaviour of the patient, examine, perform medical and dental diagnostic procedures, perform relevant tests, interpret them to come to a final diagnosis and do appropriate treatment.
• Be able to manage a difficult child, by behaviour management.
• Perform all levels of restorative work, surgical and non surgical endodontics and plan management of a child under sedation or general anaesthesia, fabricate space maintainers and other appliances and crowns.
• Have a thorough knowledge of infection control measures in the dental clinical environment and laboratories.

Course contents
1. Applied anatomy and genetics
2. Applied physiology
3. Applied pathology
4. Nutrition and dietics
5. Growth and development
6. Child psychology
7. Behaviour management
8. Child abuse and neglect
9. Conscious sedation deep sedation and general anaesthesia in pediatric dentistry
10. Preventive pedodontics
11. Dental plaque
12. Microbiology and immunology as related to oral diseases in children
13. Gingival and periodontal diseases in children
14. Pediatric operative dentistry
15. Pediatricendodontics
16. Prosthetic consideration in pediatric dentistry
17. Traumatic injuries in children
18. Interceptive orthodontics
19. Oral habits in children
20. Dental care of children with special needs
21. Oral manifestation of systemic conditions in children and their management
23. Dental radiology as related to pediatric dentistry
24. Cariology
25. Pediatric oral medicine and clinical pathology
26. Congenital abnormalities in children
27. Dental emergencies in children and their management
28. Dental materials used in pediatric dentistry
29. Preventive dentistry
30. Dental health education and school dental health programmes
31. Dental health concepts, effects of civilization and environment dental health delivery systems, public health measures related to children alongwith principles of pediatric preventive dentistry.
32. Fluorides
33. Medicolegal aspects in pediatric dentistry with emphasis on informed consent.
34. Counselling in pediatric dentistry.
35. Case history recording
36. Epidemiology
37. Comprehensive infant oral health care
38. Principles of biostatistics
39. Comprehensive cleft care management
40. Setting up of pedodontics and preventive dentistry clinic
41. Emerging concept of pediatric dentistry

**Training programme for MDS in Pedodontics and Preventive Dentistry**

The candidates undergoing the Post graduate training in Pediatric Dentistry will be required to fulfil the following requirement before appearing to the qualifying examination.

1. Pre-clinical exercises
2. Clinical cases
3. Teaching Assignments
4. Seminars
5. Journal Clubs
6. Case discussions
7. Library dissertation
8. Dissertation
Special Facilities available in Department

Conscious sedation Unit (Porter MDM)

Radiovisiography

LASER