



MAEER PUNE'S

MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



Address : Vishwanathpuram Ambajogai Road,
Latur. 413531 (Maharashtra)

Tel : (02382) 228063, 227703,
227424

Fax : (02382) 228063

Email : principal@mitmidsr.edu.in
midsr.latur@gmail.com

Website : www.mitmidsr.edu.in

DEPARTMENT OF PAEDIATRIC & PREVENTIVE DENTISTRY

UG Teaching Plan

- **III & IV BDS DAILY SCHEDULE**

DAYS	TIME	III BDS	IV BDS
Monday	9 am to 1pm		Clinical Posting
	2 pm to 5 pm	Clinical Posting	
Tuesday	9 am to 1pm		Clinical Posting
	2 pm to 5 pm	Clinical Posting	Theory Lecture 2-3pm
Wednesday	9 am to 1pm		Clinical Posting
	2 pm to 5 pm	Clinical Posting	
Thursday	9 am to 1pm	Theory Lecture 11-12pm	Clinical Posting
	2 pm to 5 pm	Clinical Posting	Theory Lecture 2-3pm
Friday	9 am to 1pm		Clinical Posting
	2 pm to 5 pm	Clinical Posting	
Saturday	9 am to 1pm		Clinical Posting
	2 pm to 5 pm	Half Day	

Major Posting: 21Days

Minor Posting: 07 Days

Third year students will have 1 class of 1 hour on every Thursday 11 am to 12pm. Batch wise clinical posting will be scheduled 2pm to 5pm Monday to Friday per week. Students should complete case history discussions with thorough knowledge of diagnosis and treatment planning.

Final year students will have daily clinical posting in the morning 10am to 1pm and weekly 2 theory classes of 1 hour each on Tuesday and Thursday. Theory classes will be conducted by senior Lecturer, Reader, Professors as per the allotment of the topics. Yearly 2 internal assessment and 1 preliminary theory and practical exam will be conducted.

Final year will have to record detailed 10 case histories along with diagnosis and treatment plan in their allotted log books in clinical posting.

Subject 3 : PEDODONTICS

Theory Hours ... 40 Hrs. Spread over III & IV BDS.

Clinical Hours ... 150 Hrs. Spread over III & IV BDS.

Total Duration ... 190 Hrs.

LECTURES :

1. Introduction, definition, scope, practice management and importance of pedodontics.
2. Growth and development of Dental and oro- facial structure and normal occlusion. Developmental anomalies Genetics related to pedodontics.
3. Morphology of Dentitions and its applications :
 - a) Allied Morphology and Histology of primary and young permanent teeth.
 - b) Importance of first permanent molar.
4. Fundamental of Dental Health.

a) Biological factors responsible for maintenance of dental and Oral Health.

b) Contributory Local factors affecting oral health plaque & Saliva etc.

5. Child psychology and management of child patient.

a. Physical development of child

b. Milestone of child development & behavioral pattern as narrated in various theories.

c. Fear & anxiety related to pedodontics.

6. Preventive, interceptive and early corrective orthodontics for children.

7. Examination, diagnosis and treatment planning.

8. Preventive dentistry, fluorides, fissure sealants diet counselling etc. Endemic fluorosis.

9. Endodontics in pediatric dentistry.

10. Clinical aspects of pediatric dentistry as related to Setting of pedodontic clinic.

Teeth disorders.

Development Anomalies

Dental caries in children

Restorative Dentistry

Pulp Therapy and Endodontics

Space Maintainers & Myofunctional appliances .

Treatment of traumatized teeth.

Management of problems of the primary and mixed dentition period,

Gingival disorders in children.

Stomatological conditions in children

Management of handicapped children

Mouth habits and their managements.

Epidemiology- Definition and general principal

11. Current advances.

CLINICALS

Case history diagnosis & treatment planning of 10 cases

Syllabus Distribution-

1st Internal Syllabus –

- Introduction, Definition, scope & Practic managements and Importanc of Pedodontics
- Diagnosis in Pediatric Dentistry
- Paediatric Oral Pathology
- Growth and development of Dental and oro- facial structure
- Developmental of Occlusion
- Gingival and Periodontal disorders in children.
- Diet and Nutrition
- Oral Habites

2nd Internal syllabus –

- Carilology

- Restorative Dentistry
- Child Psychology
- Behavioral Management
- Traumatic Injuries
- Pediatric Endodontics
- Handicapped Child

Prelim Examination –

- Introduction, Definition, scope & Practical managements and Importance of Pedodontics
- Diagnosis in Pediatric Dentistry
- Paediatric Oral Pathology
- Growth and development of Dental and oro- facial structure
- Developmental of Occlusion
- Gingival and Periodontal disorders in children.
- Diet and Nutrition
- Oral Habits
- Fluorides in Pediatric Dentistry
- Cariology
- Restorative Dentistry
- Child Psychology
- Behavioral Management
- Traumatic Injuries
- Pediatric Endodontics
- Handicapped Child
- Preventive Dentistry
- Pulp Treatment
- Vital Pulp Therapy
- Preventive Orthodontics
- Space Management
- Child abuse and Neglect
- Crowns in Pediatric Dentistry
- Human Impact on Environment



MAEER PUNE'S

MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



Address : Vishwanathpuram Ambajogai Road,
Latur. 413531 (Maharashtra)

Tel : (02382) 228063, 227703,
227424

Fax : (02382) 228063

Email : principal@mitmidr.edu.in
midr.latur@gmail.com

Website : www.mitmidr.edu.in

DEPARTMENT OF PAEDIATRIC & PREVENTIVE DENTISTRY PG TEACHING PLAN

- PG DAILY SCHEDULE

Day	Year	9am to 10am	10am to 1pm	1 to 2 Pm	2pm to 3 pm	3pm to 5pm
Monday	I MDS	Pre-Clinical / Clinical				
	II MDS	Clinical Work				
	III MDS					
Tuesday	I MDS	Seminar	Pre-Clinical / Clinical		JC	Pre-Clinical / Clinical
	II MDS		Clinical Work			Clinical Work
	III MDS					
Wednesday	I MDS	Seminar	Pre-Clinical / Clinical		JC	Pre-Clinical / Clinical
	II MDS		Clinical Work			Clinical Work
	III MDS					
Thursday	I MDS	Seminar	Pre-Clinical / Clinical		JC	Pre-Clinical / Clinical
	II MDS		Clinical Work			Clinical Work
	III MDS					
Friday	I MDS	Case Discussion	Pre-Clinical / Clinical		Discussion - Library dissertations, Thesis & Short Study	Pre-Clinical / Clinical
	II MDS		Clinical Work			Clinical Work
	III MDS					
Saturday	I MDS	Library	Pre-Clinical / Clinical			
	II MDS		Clinical Work			
	III MDS		Clinical Work			

MUHS guidelines for post graduate curriculum are strictly followed during 3 years of PG training

FIRST YEAR PG

In first 6 months of first year PG guides will be allotted and under guide supervision every student will be trained .

For the first 6 months students will be trained with preclinical exercises which will be supervised by senior staff.

Apart from clinical training, PG students will be guided to search dissertation topics , get it approved from guide and synopsis should be submitted to university at the end of 6 months of first year and library dissertation should be completed within 16 months of PG. Every PG should present seminar, JC and take 4-5 UG lectures per year.

Clinical postings will be scheduled as per department timetable.

- **First Year Preclinical Work**

(Duration -first 6 Months of First Year

MDS)(One On Each Exercise)

1. Carving of all deciduous teeth
2. Basic wire bending exercises
3. Fabrication of
 - a. Maxillary bite plate/Hawley's
 - b. Maxillary expansion screw appliance
 - c. Canine retractor appliance
 - d. All habit breaking appliances
 - i. Removable type
 - ii. Fixed type
 - iii. Partially fixed and removable
 - e. Two Myofunctional appliance
 - f. Making of inclined plane appliance
 - g. Acrylic inclined plane
4. Basics of soldering exercise I -
making of a lamp post of stainless steel wire pieces of different gauges soldered

oneither side of heavy gauge main post.

5. Fabrication of space maintainers

a. Removable type-

- Unilateral Non-Functional space maintainer
- Bilateral Non-Functional space maintainer
- Bilateral functional space maintainer

b. Space Regainers-

- Hawley's appliances with Helical space regainer
- Removable appliance with Slingshot space regainer
- Removable appliance with Dumbbell space regainer

c. Fixed Space maintainers

- Band & long loop space maintainer
- Band & short loop space maintainer
- Mayne's space maintainer
- Transpalatal arch space maintainer
- Nance Palatal holding arch
- Nance Palatal holding arch with canine stoppers
- Gerber space regainer
- Distal shoe appliance

d. Active space maintainers

e. For guiding the eruption of first permanent molar

f. Arch holding device

g. Functional space maintainer

6. Basics for spot welding exercise

7. Collection of extracted deciduous and permanent teeth

- a. Sectioning of the teeth at various levels and planes
- b. Drawing of section and shapes of pulp
- c. Performing ideal cavity preparation for various restorative materials for both Deciduous and permanent teeth
- d. Performing pulpotomy, root canal treatment and Apexification procedure.
- e. Tooth preparation and fabrication of various temporary and permanent restorations on

fractured anterior teeth.

f. Preparation of teeth for stainless steel crowns

8. Performing of behavioral rating and IQ tests for children.
9. Computation of:
 - a. Caries index and performing various caries activity test.
 - b. Oral Hygiene Index
 - c. Periodontal Index
10. a. Taking of periapical, occlusal, bitewing radiographs of children
b. Developing and processing of films, thus obtained
c. Tracing of soft tissue dental and skeletal landmarks as observed on Cephalometric radiographs and drawing of various planes and angles.
11. Library assignment
12. Synopsis

• **Clinical work Requirements from 7 to 36 months**

The following is the minimum requirement to be completed before the candidate can be considered eligible to appear in the final M.D.S. Examinations:

<i>No.</i>	<i>Clinical Work</i>	<i>Total</i>	<i>7 to 12 months</i>	<i>13 to 24 months</i>	<i>25 to 36 months</i>
1	Behavior Management of different age groups children with complete records	17	2	10	5
2	Detailed Case evaluation with complete records, treatment planning and presentation of cases with chairside and discussion	17	2	10	5
3	Step-by-step chairside preventive dentistry scheduled for high risk children with gingival and periodontal diseases & Dental Caries	11	1	5	5

4	Practical application of Preventive dentistry concepts in a class of 35-50 children & Dental Health Education & Motivation	7	1	4	2
5	Pediatric Operative Dentistry with application of recent concepts (a) Management of Dental Caries I) Class I II) Class II III) Other Restorations (b) Management of traumatized anterior teeth (c) anaesthetic Restorations (d) Paediatric Endodontic procedures Deciduous teeth Pulpotomy / Pulpectomy Permanent Molars Permanent Incisor Apexification & Apexogenesis	50 100 20 15 25 150 20 15 20	30 40 50 04 05 30 3 2 02	10 50 30 06 10 50 07 03 08	10 10 05 10 70 10 10 10
6	Stainless Steel Crown	50	10	20	20
7	Other Crown	05	01	02	02
8	Fixed Space Maintainers	30	08	12	10
9	Removable Space Maintainers	20	05	07	08

13. Library usage
14. Laboratory usage
15. Continuing Dental Health Programme

(The figures given against SI. No.4 to 12 are the minimum number of recommended procedures to be performed)

Exam going PGs should complete their dissertation before 6 months of exam. Incomplete dissertation will not be allowed to appear for the exam. At least 2 departmental theory exams will be conducted before the mock practical exam. Mock practical exam will be completed 2 months before the final exam.

Monitoring Learning Progress

It is essential to monitor the learning progress to each candidate through continuous appraisal and regular assessment. It not only helps teachers to evaluate students, but also students to , evaluate themselves. The monitoring to be done by the staff of the department based on participation of students in various teaching /learning activities. It may be structured and assessment be done using checklists that assess various aspects.