



GOVERNMENT DENTAL COLLEGE & HOSPITAL, MUMBAI



**INSTITUTIONAL
BEST PRACTICE**

**CENTRE OF EXCELLENCE
DEPARTMENT OF MICRODENTISTRY**



CONTENT

Sr. No.	Title	Page No.
1.	Background	3
2.	Aim and Objectives	4
3.	The Context	5
4.	The Practice	6
5.	Evidence of Success	10
6.	Problems Encountered	39
7.	List of Post Graduate Fellowship Students	40
8.	Letter of Establishment of Post Graduate Fellowship Program	49
9.	Post Graduate Fellowship – Information Brochure	53

BACKGROUND

Proposed in the Year: 2007/2008

Establishment – 2009/2010 as Academy of Microdentistry

Founding Faculty Members appointed by Maharashtra University of Health Sciences, Nashik:

1. Dr. Mansing G. Pawar, Director and Professor Department of Microdentistry
2. Dr. P. D. Joshi, Consultant Department of Microdentistry
3. Dr. Abrar Sayed, Consultant Department of Microdentistry
4. Dr. Sangeeta Ambhore, Consultant Department of Microdentistry

Department of Microdentistry, is a state of art set up situated at Government Dental College and Hospital, Mumbai. This pioneering concept in India was one of its kind then, now evolved as a full-fledged department practicing Microdentistry as a super-specialty in pursuit of excellence with the global standards in Oral Health Care. Department of Microdentistry aims to enhance the clinical acumen and operating skills of undergraduates, post-graduates and fellowship students by upgrading their knowledge and access to magnification in diagnosis and treatment planning under the Dental Operating Microscope. The founding collaborator Carl Zeiss, India Pvt Ltd assisted the technical and financial support while Maharashtra University of Health Sciences offered administrative support to start a post graduate fellowship programme as follows:

Name of Course: "Post Graduate Fellowship Course in Microdentistry"

Course Duration ; 1 Year

Conducted by : Maharashtra University of Health Sciences, Nashik. & Government Dental College and Hospital Mumbai.

Venue : Academy of Microdentistry, Department of Conservative Dentistry & Endodontics, Government Dental College and Hospital, Mumbai.

Eligibility : B.D.S.or MDS or any other equivalent degree recognized by the Dental Council of India.

Admission : 10 seats/year

The training comprises lectures, hands-on Demonstrations, and Discussions. This method is currently not taught at the undergraduate level and also in most specialties. Microdentistry will help dentist to hone their skills further and add more treatment options to already existing repertoire. The less invasive nature of microdentistry often results in Diagnosis of Dental issues at the earliest stage, reduced pain, discomfort, and anxiety for patients during and after procedures. By focusing on prevention and conservative treatment, microdentistry aims to maintain optimal oral health, preventing more complex and costly dental issues in the future.

AIM & OBJECTIVES OF THE PRACTICE

Aim: To introduce a new method of practicing dentistry under high power magnification with the help of MICROSCOPE.

Objectives:

1. To shorten the learning curve in using Microscope
2. To teach many treatment options of advanced variety under magnification of various specialties such as:
 - a) Early Detection and Prevention of dental issues
 - b) Minimally Invasive Treatments
 - c) Patient Comfort
 - d) Improvement in Aesthetic Outcomes
 - e) Preservation of Oral Health By focusing on prevention and conservative treatment

This expands the scope by improving diagnosis and additional treatment options and also stimulates a dentist to be innovative in his work, thus making a dental professional more complete.

THE CONTEXT

On daily basis, the doctors encounter and manage several complications in patients related to anatomy as well as iatrogenic. Anatomical complexities include extra/ accessory canals, curved root morphology, variable canal anatomy, calcifications in the canal, etc. Iatrogenic complications include inadequate preparation & obturation, perforation, instrument separation, misdiagnosis, etc. All these complications can be efficiently managed under magnification on the microscope. Apart from managing complication, microscopes offer magnification levels upto 20X significantly improving the clinician's vision to see the fine details invisible to the naked eye. Hence, intricate procedures are handled with great accuracy improving the treatment quality and outcome.

On daily basis, dental surgeons, Post graduates and fellowship students manage routine cases as well as cases those are clinically compromised due to diseased condition and iatrogenic factors. Such conditions may be Anatomical complexities including extra or accessory canals, curved root morphology, variable canal anatomy, calcifications in the canal etc. Iatrogenic complications include inadequate preparation & obturation, perforation, instrument separation, misdiagnosis, etc. All these mishaps are efficiently managed under magnification on the dental operating microscope.

The microscopes assist the clinician in offering magnification levels up to 20X, significantly improving vision and accessibility to see the finer details invisible to the naked eye. Hence, intricate procedures are handled with great accuracy improving the treatment quality and outcome.

The dental operating microscope aids in surgeries and increases the manifold diagnostic acumen. diagnosis of normal anatomical features to microscopical intricacies and diagnosis of disease outcome. It also helps in getting positive compliance from patient due to live videos and photos of their clinical procedures hence dental counseling is one of the important uses of DOM. In this era of technology and information, the live streaming of clinical work on different social platforms aids in the education of the fraternity. Dental operating microscope helps in learning and educating students through various recorded videos.

Record keeping of innumerable surgical cases and archives of clinical data becomes accessible to all.

THE PRACTICE

Department of Microdentistry is working at following **Three Levels:**

- I] Introduction of Microdentistry to Undergraduate Students
- II] Post Graduate Fellowship Course in Microdentistry
- III] Post Graduate Training of Microdentistry

I] Introduction of Microdentistry to Undergraduate Students

1.II BDS Pre clinical demonstration on the dental operating microscope of class I Inlay cavity preparation

Sr. No	Academic Year	Number of batches
1	2019-2020	8
2	2020-2021	8
3	2021-2022	8
4	2022-2023	8
5	2023-2024	8

2. IV BDS clinical demonstration on the Dental Operating Microscope of Single visit Root canal therapy on Central incisor tooth

Sr. No.	Academic Year	Number of batches
1	2019-2020	15 students per batch
2	2020-2021	15 students per batch
3	2021-2022	15 students per batch
4	2022-2023	15 students per batch
5	2023-2024	15 students per batch

II] Post Graduate Training of Microdentistry

Patient Work record of postgraduate students on Dental Operating Microscope :

Sr. No.	Academic Year	Total number of patients treated under DOM
1	2019-2020	1644
2	2020-2021	1540
3	2021-2022	1425
4	2022-2023	1566
5	2023-2024	1480

III] Post Graduate Fellowship Course in Microdentistry

Teaching Methodology: Consist of Two Modules

a) Contact Education

b) Distance Education

a) **Contact Education** - Total duration 6 Months divided into lectures & workshops.

Lectures

Stage I - 1 Week 3 Lectures

Stage II - 2 Weeks 3 Lectures

Stage III - 3 Weeks 12 – 15 Lectures

Workshops

Stage I - 1 Week Hands on

Stage II - 2 Weeks Hands on

Stage III - 1 ½ month Hands on

Lectures

Stage I: (3 Lectures)

- Introduction to Microscope
- History of Microscope use
- What is its scope and its features?
- How does scope work? How does it magnify and What are the levels of
- Magnifications?
- What are its different Parts and their functions like Lens, Binocular Tube,
- Fixed tilted and tiltable tubes, Focal Length, Magnification factor,
- Magnification changer etc., the Arm, Stand, and illumination?
- Recording devices through different attachments like Beam splitter,
- Co-observation port, Video objective lens etc.

Stage II: Getting started with Microscope (1 Week)

How to position yourself for different teeth?

On – a) Lab Cast

b) Extracted Teeth

c) Mannequin

- d) Phantom Head
- e) Patient Examination and detailed reporting
- f) Using different Magnifications
- g) Learning Micro dentistry Instruments
- h) Interpupillary Distance Parfocaling
- i) Learning Direct & Reflected vision
- j) Hand – eye Co-ordination
- k) Instrument Handling, gripping, passing over assisting
- l) Ergonomics Posture etc.

Stage III: Working with Microscope on Casts & Extracted teeth & Patients

- Scaling
- Rubber Dam Application Pit & Fissure Sealants
- Incision & Flap reflection
- Cavity Preparation using Micro drills
- Restorations
- Finishing restorations
- Veneer Preparations
- Veneer Bonding & finishing
- Margin placements for Crown & Bridge
- Lab communication of fit of crowns and bridges Access Opening of different teeth, Locating MB2 Canals in Upper Molar
- Using Ultra Sonics
- Instrumentation with Hand & Rotary files
- Obturation
- MTA placement on Perforation
- Removal of Broken files
- Opening Calcified Canals
- Documentation before, during, after
- Co-diagnosis with Patients
- New Patient Examinations using SOM

- Basic Positioning Skills & Clinical Ergonomics
- Local Anesthesia Delivery
- Suturing with 5.0, 6.0, 7.0 needles
- Apicectomies
- Incision, Flap, Apical Curettage, Ultrasonic Apical Preparations, Placing MTA at Apex

B| Distance Education - The Course Material for Distant Education – Online Lectures and Online Live and Recorded video Demonstrations

Links of online Lecture: D:\udaan my lecture\00010.MTS

Completion of Research Project related to microscope.

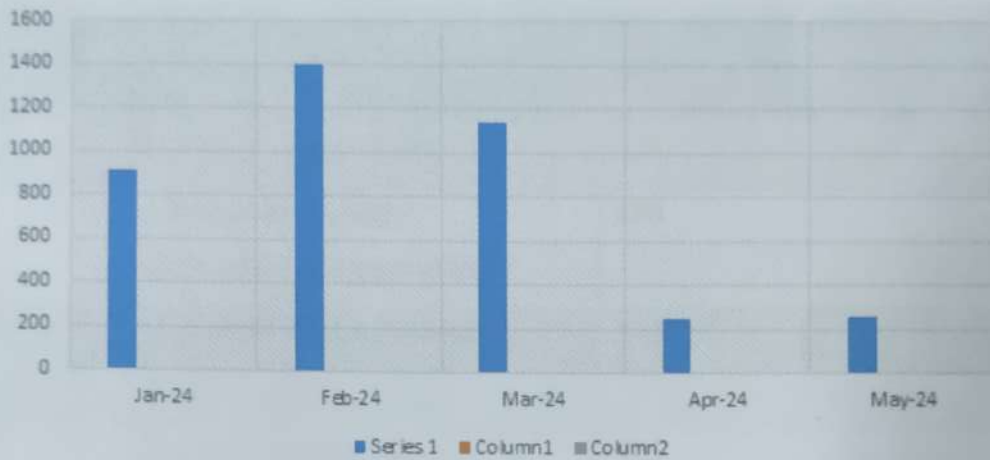
Examination & Certifications Examination of theory and practical along with a viva voce. Post Graduation certificate course in Micro dentistry from MUHS Ceremony for conferment of certificates.

Last Five year record of Students Working/ Practising Microdentistry

Sr. No.	Year	Number of Students Working on Microscope		Total Number of Students
		Fellowship	PG Students	
1	2019-2020	07	04	11
2	2020-2021	09	03	12
3	2021-2022	05	03	08
4	2022-2023	07	03	10
5	2023-2024	14	03	17

EVIDENCE OF SUCCESS

Patient Treated In Department Of Microdentistry In 2024



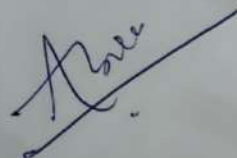
Last Five Year Patients Record of Department of Microdentistry



Special Cases Record

Academic Year 2019-2020

Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Esthetic rehabilitations	334
2	Vital pulp therapy (IPC/DPC/Pulpotomies)	290
3	Calcified canal, locating missed canals	242
4	Perforation repair	365
5	Instrument retrieval/bypass	376
6	Periapical surgeries	37
	TOTAL	1644



Teaching Head
Department of Microdentistry

Academic Year 2020-2021

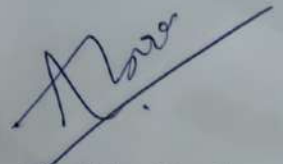
Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Esthetic rehabilitations	350
2	Vital pulp therapy (IPC/DPC/Pulpotomies)	282
3	Calcified canals , locating missed canals	153
4	Perforation repair	360
5	Instrument retrieval/bypass	359
6	Periapical surgeries	36
	TOTAL	1540



Teaching Head
Department of Microdentistry

Academic Year 2021-2022

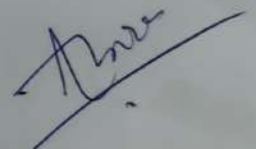
Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Esthetic rehabilitations	324
2	Vital pulp therapy (IPC/DPC/Pulpotomies)	287
3	Calcified canal s , locating missed canals	187
4	Perforation repair	234
5	Instrument retrieval/bypass	362
6	Periapical surgeries	31
	TOTAL	1425



Teaching Head
Department of Microdentistry

Academic Year 2022-2023

Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Esthetic rehabilitations	367
2	Vital pulp therapy (IPC/DPC/Pulpotomies)	385
3	Calcified canals , locating missed canals	147
4	Perforation repair	238
5	Instrument retrieval/bypass	392
6	Periapical surgeries	37
	TOTAL	1566



Teaching Head
Department of Microdentistry

Academic Year 2023-2024

Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Esthetic rehabilitations	344
2	Vital pulp therapy (IPC/DPC/Pulpotomies)	289
3	Calcified canals , locating missed canals	187
4	Perforation repair	234
5	Instrument retrieval/bypass	385
6	Periapical surgeries	42
	TOTAL	1480

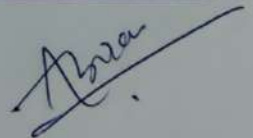


Teaching Head
Department of Microdentistry

Record of Micro Surgical Procedures from 2019-2024

Academic Year 2019-2020

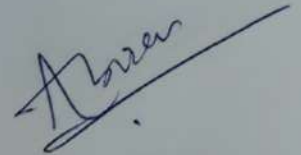
Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Treatment of traumatized teeth (Fragment reattachments etc)	19
2	Treatment of developmental anomalies (Palatogingival groove/ Dens Invaginatus etc)	16
3	Surgical instrument retrieval and retreatments	8
4	Gingivectomies / Crown lengthening procedures	6
5	Hemisection / Root resection	5
6	Periapical cyst enucleation	37
7	Retrograde preparations and fillings	40
	TOTAL	131



Teaching Head
Department of Microdentistry

Academic Year 2020-2021

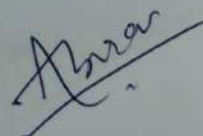
Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Treatment of traumatised teeth (Fragment reattachments etc)	28
2	Treatment of developmental anomalies (Palatogingival groove/ Dens Invaginatus etc)	13
3	Surgical instrument retrieval and retreatments	23
4	Gingivectomies / Crown lengthening procedures	7
5	Hemisection / Root resection	9
6	Periapical cyst enucleation	36
7	Retrograde preparations and fillings	36
	TOTAL	152



Teaching Head
Department of Microdentistry

Academic Year 2021-2022

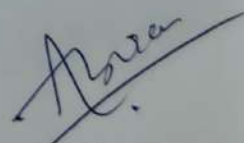
Sr.no	CASE	NUMBER OF P ATIENTS TREATED
1	Treatment of traumatised teeth (Fragment reattachments etc)	19
2	Treatment of developmental anomalies (Palatogingival groove/ Dens Invaginatus etc)	16
3	Surgical instrument retrieval and retreatments	8
4	Gingivectomies / Crown lengthening procedures	6
5	Hemisection / Root resection	5
6	Periapical cyst enucleation	31
7	Retrograde preparations and fillings	31
	TOTAL	116



Teaching Head
Department of Microdentistry

Academic Year 2022-2023

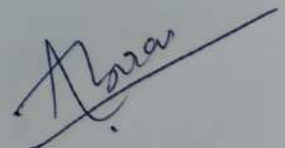
Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Treatment of traumatised teeth (Fragment reattachments etc)	19
2	Treatment of developmental anomalies (Palatogingival groove/ Dens Invaginatus etc)	16
3	Surgical instrument retrieval and retreatments	8
4	Gingivectomies / Crown lengthening procedures	6
5	Hemisection / Root resection	5
6	Periapical cyst enucleation	37
7	Retrograde preparations and fillings	37
	TOTAL	128



Teaching Head
Department of Microdentistry

Academic Year 2023-2024

Sr.no	CASE	NUMBER OF PATIENTS TREATED
1	Treatment of traumatised teeth (Fragment reattachments etc)	19
2	Treatment of developmental anomalies (Palatogingival groove/ Dens Invaginatus etc)	16
3	Surgical instrument retrieval and retreatments	8
4	Gingivectomies / Crown lengthening procedures	6
5	Hemisection / Root resection	5
6	Periapical cyst enucleation	42
7	Retrograde preparations and fillings	42
	TOTAL	138



Teaching Head
Department of Microdentistry

Record of Completed Research in the Department of Microdentistry

Research projects by Post Graduate Fellowship Course in Microdentistry

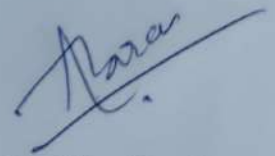
SR no	Name of the Candidate	RESEARCH	UPDATES
1	Dr.Sabba Sayyed Dr.Deepali Wadhokar Dr.Sonali Dhumane (Batch of 2023-24)	Dental operating microscope; effect of its live video output display on the patient anxiety experience related to restorative treatment and survey to determine information . Group A	Completed
2.	Dr.Akanhsha Bellani Dr.Divya Balani Dr. Bhavna Oswal (Batch of 2023-24)	Dental operating microscope; effect of its live video output display on the patient anxiety experience related to restorative treatment and survey to determine information . Group B	Completed



Teaching Head
Department of Microdentistry

Research Projects By Postgraduate Students in the Department of Microdentistry

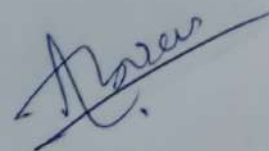
SR no	Name of the Candidate	RESEARCH	UPDATES
1	Dr.Ronit Khade (Batch of 2018-20)	Magnification in Endodontics	Completed (LIBRARY DISSERTATION)
2	Dr.Wendy Lobo (Batch of 2020-23)	A Comparative evaluation of the resistance to vertical root fracture after removal of separated instruments using three instrument retrieval systems : An in vitro study using universal testing machine	Completed (THESIS)
3.	Dr.Zainab Khan (Batch of 2021-24)	Dental operating microscope Basic concepts	Completed (LIBRARY DISSERTATION)



Teaching Head
Department of Microdentistry

Research Project for Phd in the Department of Microdentistry

SR no	Name of the Candidate	RESEARCH	UPDATES
1	Dr.Abrar Sayed	Dental operating microscope; effects of its inculcation on the skill levels of undergraduate students, effect of its live video output display on the patient anxiety experience related to restorative treatment and survey to determine information, knowledge, attitude and barriers related to its use among dental practitioners of Maharashtra.	ONGOING



Teaching Head
Department of Microdentistry

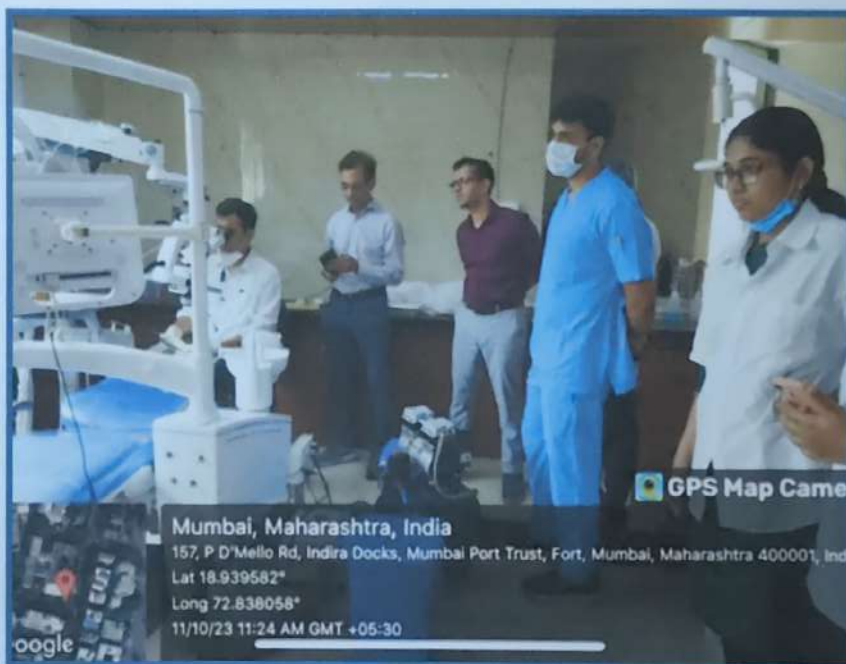
I.POSTGRADUATE PRECLINICAL EXERCISES



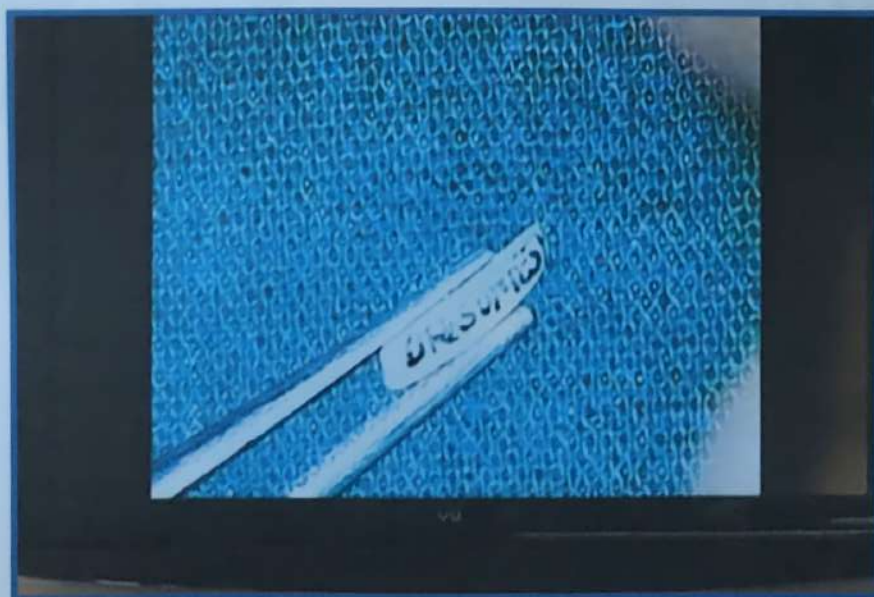
II BDS PRE CLINICAL DEMONSTRATION OF CLASS I
INLAY CAVITY PREPARATION
IN THE DEPARTMENT OF MICRODENTISTRY



IV BDS CLINICAL DEMONSTRATION OF SINGLE VISIT ENDODONTICS IN THE DEPARTMENT OF MICRODENTISTRY



PRECLINICAL MICRODENTISTRY FELLOWSHIP ACTIVITY



PRECLINICAL MICRODENTISTRY FELLOWSHIP ACTIVITY



CASES DONE IN THE DEPARTMENT OF MICRODENTISTRY

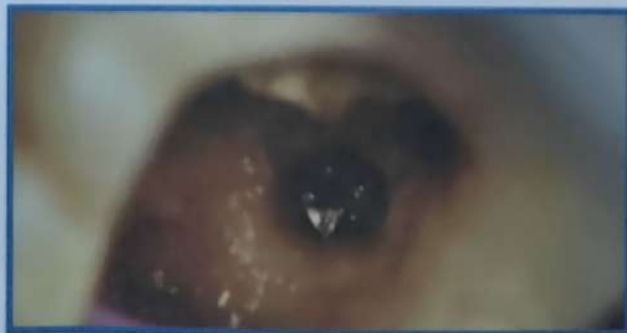
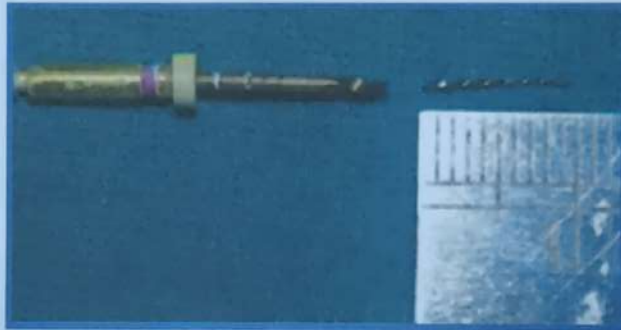
ESTHETIC REHABILITATION UNDER DENTAL OPERATING MICROSCOPE IN THE DEPARTMENT OF MICRODENTISTRY



ACCESS OPENINGS UNDER DENTAL OPERATING MICROSCOPE



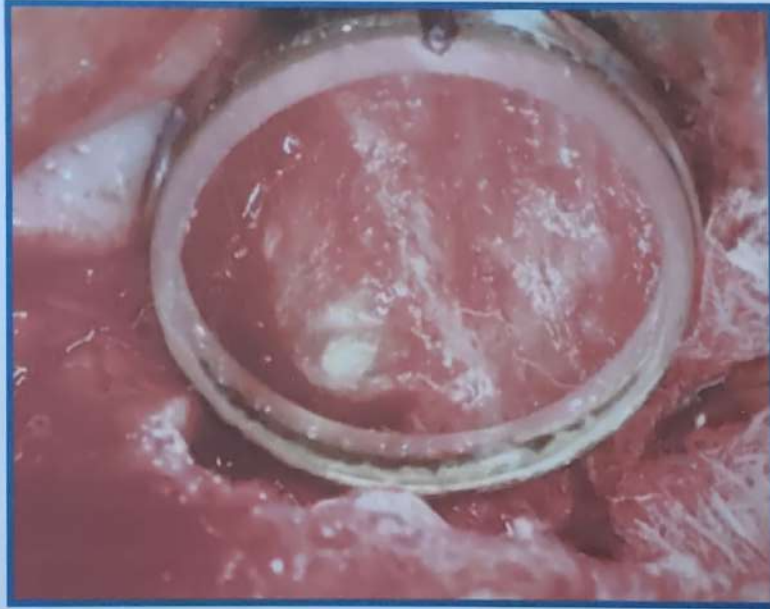
INSTRUMENT RETRIEVAL UNDER DENTAL OPERATING MICROSCOPE



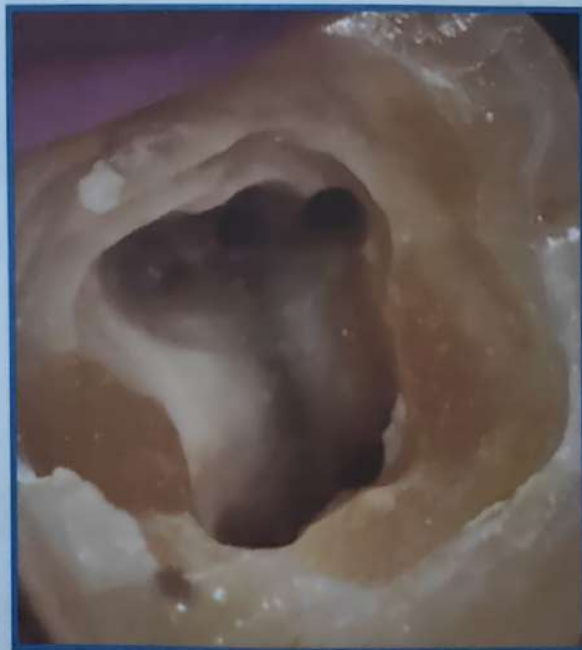
**PERFORATION REPAIR UNDER DENTAL
OPERATING MICROSCOPE**



**MTA RETROFILLING UNDER DENTAL
OPERATING MICROSCOPE**



**MIDDLE MESIAL CANAL LOCATED UNDER DENTAL
OPERATING MICROSCOPE**



LIVE DEMONSTRATION OF PERIAPICAL CYST ENUCLEATION SURGERY IN THE DEPARTMENT OF MICRODENTISTRY



MICRODENT CONFERENCE HELD ON 5TH AND 6TH APRIL 2024

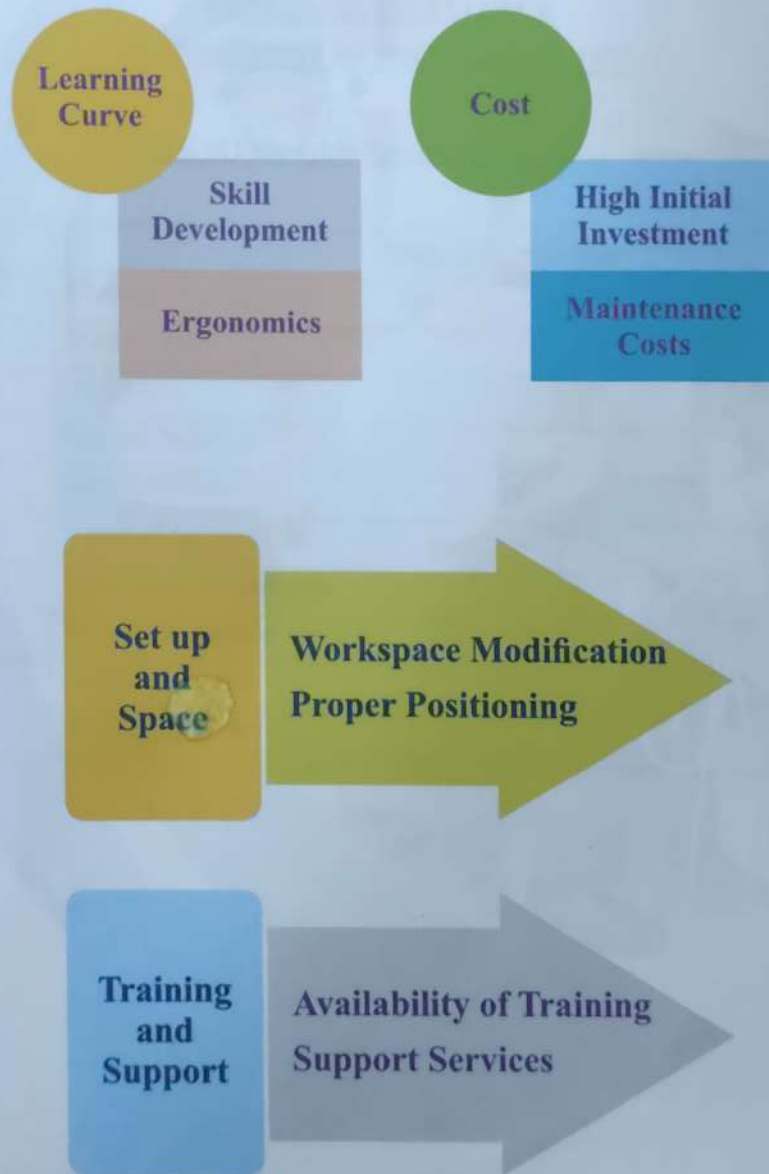






PROBLEMS ENCOUNTERED AND REQUIRED RESOURCES

Using an endodontic microscope in dental procedures offers numerous benefits, but it also comes with its own set of challenges. Here are some common problems encountered:





शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डीमेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdch_mumbai@yahoo.com Website : www.gdcmumbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2017)

<u>Sr. No</u>	<u>Name of the student</u>
1	Chandani Vadigoppula
2	Manjula Patni
3	Limin Ma
4	Samyak Belkhede
5	Ayesha Siddhiqui
6	Vruna Bharaswadkar
7	Arib Faisal Mohammad
8	Tejashri Wankhede
9	Nikhil Sadhavane
10	Sourabh Nargide



शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डीमेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdeh_mumbai@yahoo.com Website : www.gdcmumbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2018)

<u>Sr. No</u>	<u>Name of the student</u>
1	Kothari Jay Vallabhdas
2	Singh Yashvi
3	Khoban Namita Sukhadeo
4	Deshpande Gandhali Sunil
5	Bansal Manoj Kamal
6	Sourabh Mishra



शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डीमेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdch_mumbai@yahoo.com Website : www.gdcmumbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2019)

<u>Sr. No</u>	<u>Name of the student</u>
1	Dr. Tadsarkar Bhagyashri Sunil
2	Shinde Suvarna Shahaji
3	Nargide Sourabh Basaveshwar
4	Patil Nikita Ashok
5	Bilkis Sayed
6	Amrut Hanchate
7	Nirali Shah



शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डीमेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdch_mumbai@yahoo.com Website : www.gdcmumbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2021)

<u>Sr. No</u>	<u>Name of the student</u>
1	Dr. Dubal Mrunali
2	Dr. Vikas Gupta
3	Dr. Bidri Shrutika
4	Dr. Patil Ketki
5	Dr. Zakir Hussain Momin Risha



शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डीमेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdch_mumbai@yahoo.com Website : www.gdcmbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2022)

<u>Sr. No</u>	<u>Name of the student</u>
1	Hingorani Joshna Manoj
2	Bhuta Sheetal Ravi
3	Patel Kinjal Prafulbhai
4	Thakare Vishwesh Sanjay
5	Mane Somesh Bhimrao
6	Lal Ali Mustafa
7	Shaikh Adnan Iftekar



शासकीय दंत महाविद्यालय व रुग्णालय, मुंबई

GOVERNMENT DENTAL COLLEGE AND HOSPITAL, MUMBAI.

सेंट जॉर्ज रुग्णालय आवार, पी. डी.मेलो मार्ग, छ.शि.म.ट.स्थानका शेजारी, फोर्ट, मुंबई - ४०० ००१

St. George's Hospital Compound, P.D'mello Road, Near CST Station, Fort, Mumbai - 400 001.

Phone - 022 - 22620668 Email: deangdech_mumbai@yahoo.com Website : www.gdcmumbai.edu.in

CENTRE OF EXCELLENCE

DEPARTMENT OF MICRODENTISTRY

List of Fellowship Students (Year 2023)

<u>Sr. No</u>	<u>Name of the student</u>
1	Dr. Saiyed Ira Gulmmohammad
2	Dr. JethaniSamiksha Lakhiram
3	Dr. Kadam Akshaya Satish
4	Dr. Ansari Saniya Irshad
5	Dr. Patil Sampada Sunilrao
6	Dr. Rathod Yugheshwari Uttamrao
7	Dr. Thakur Kriti Kashinath
8	Dr. Patade Tejal Dilip
9	Dr. Pansare Anisha
10	Dr. Sharma Arunjay Pravesh
11	Dr. Bhangе Aditya Ramesh
12	Dr. Mayur Ravindra Aarya
13	Dr, Pawankumar Shitalaprasad Dubey
14	Dr. Priyanka Namdev Yadav



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
Maharashtra University of Health Sciences, Nashik

दिंडोरी रोड, म्हासुरुळ, नाशिक-४२२००४., Vani-Dindori Road, Mhasrul, Nashik-422004

Tel : (0253) 2531835, Fax : (0253) 2539113. Mumbai (off.) Tele Fax : (022) 22653593

Website: www.muhsnashik.com email: vc@muhsnashik.com/ muhsvc@hotmail.com

डॉ. (श्रीमती) मृदुला अ. फडके

एम. डी. डी. सीएच. एक. आय. ए. पी.
एम. आय. सी. पी. (युके), एक. आय. सी. पी. सीएच. (युके)

कुलगुरु

Dr. (Mrs.) Mrudula A. Phadke

MD., D.CH., F.I.A.P., MRCP (UK), F.R.C.P.CH (UK)

Vice Chancellor

MUHS/VC/1209/72

Date: 18th February 2008

The Principal Secretary,
Medical Education & Drugs Department,
Govt. of Maharashtra,
Mumbai - 400 032

Subject: Establishment of a Department of Microdentistry at
Government Dental College & Hospital, Mumbai

Respected Sir,

This University has established five departments of excellence viz. University Department of Interdisciplinary Research & Technology, University Department of Medical Education Technology, University Department of Infectious Diseases, University Department of Public Health & Community Ophthalmology and University Department of Genetics, Immunology & Biochemistry.

It is further communicated with pleasure that we are in the process of establishing the 6th department of excellence in the field of microdentistry in view of the need of the subject and an offer by The Carl Zeiss India. Pvt. Ltd., Bangalore, an academy imparting training courses and educational programmes in the field of microdentistry, who has come up with a proposal to establish a state-of-art Department of Microdentistry at the Department of Conservative Dentistry and Endodontics, Government Dental College and Hospital, Mumbai-400001. They will donate a microscope and financial support for this academic purpose.

शुभचिन्ता

नाशिक

महाराष्ट्र

18/2/08

MM

Handwritten signature

As Department of Conservative Dentistry and Endodontics at Government Dental College and Hospital Mumbai is one of the pioneering institutes affiliated to us, and has a well-established Central Clinic with Modernised Phantom Head Preclinical Lab and there is clinical material available, and on daily basis this department caters to various conservative therapeutic procedures nearly to 250-300 patients. Dr. M. G. Pawar, Dean & Professor of Head, Department of Conservative Dentistry of this College is a Professor and P G Teacher and Chairman clinical board of studies of Maharashtra University of Health Sciences, Nashik is competent to train the postgraduate students from the colleges affiliated to the University.

This department of microdentistry will be a University Department of Excellence, which can be established in phases and it will be the first of its kind in India. We are in the process of designing the syllabus and curriculum for this training. In the various programmes of training, students will undertake training on many microscopes. The Carl Zeiss, India. Pvt. Ltd. has offered year wise contribution to this joint venture of establishing the **Department of Microdentistry** to upgrade the conservative skills of the postgraduate students. This training will comprise of Lectures, Hands on Demonstrations and Discussions which will be held preferably during the vacations (Diwali/ Christmas/ Summer) and other suitable occasions which would not disturb the other routine work of the department. Trained professionals from country and abroad can be involved as and when required. During the remaining period, staff will undertake any activity assigned to them by Dean, Government Dental College & Government.

In the first phase, training will be limited to postgraduate students in the speciality of Conservative Dentistry and Endodontics from the colleges namely:

1. Government Dental College and Hospital, Aurangabad;
2. Government Dental College and Hospital, Nagpur;
3. Nair Hospital Dental College, Mumbai;
4. M.A . Rangoonwala College of Dental Sciences & Research Centre, Pune;
5. VSPM's Dental College & Research Center, Nagpur;
6. MGVM's Dental College & Hospital, Nashik;

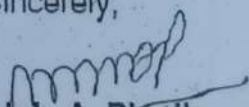
7. C.S.M.S.S.'s Dental College & Hospital, Aurangabad;
8. YMT & Research Center's Dental College & Hospital, Navi Mumbai;
9. Any other department.

For day-to-day functions like training, treatment and research through this department, this University will provide staff, such as Professor and Lecturers. For smooth and more effective function of this department, installation of a "Chair of Excellence of Director Professor" for this department is felt necessary. Such a chair of eminence could be for a period of five years initially and the University will fund it. University will purchase a microscope from Carl Zeiss India Pvt. Ltd against which they have offered one more microscope as a donation.

As this is an academic-cum-administrative issue, the matter has been brought before University's Academic Council and Management Council. Both Management and Academic councils have approved the same on 16th June 2007 vide resolution No 56/2007 and on 28th December 2007 vide resolution No 387/2007 respectively. May we therefore request your esteemed office to accord necessary permission for such an academic venture?

Thanking you and with regards,

Yours Sincerely,


Dr. (Mrs) Mrudula A. Phadke
Vice-Chancellor

Copy to: -

- 1) Director, Medical Education & Research, 4th Floor, Govt. Dental College, St. George's Hospital Compound, Mumbai - 400 001
- ✓ 2) Dean, Govt. Dental College & Hospital, St. George's Hospital Compound, Mumbai - 400 001.

Enclosures: -

1. Letter from the Dean, Government Dental College and Hospital, Mumbai-400001
2. Staff being appointed by University - Appendix 'A'
3. Recurrent Expenditure on - Appendix 'B'
 - (a) Staff
 - (b) Equipment
4. Miscellaneous - Appendix 'C'
5. Proposal from Carl Zeiss India. Pvt. Ltd. - They are the only manufacturers as per information

*Information brochure for Post Graduate
Fellowship Course in Microdentistry*



MUHS

INDEX

SR. No.	Subject	Page No
1	Aim	3
2	Objectives	3
3	Eligibility	4
4	Duration of the course	4
5	No of Seats	4
6	Fees Structure	4
7	Refund of fees	4
8	Application Procedure	5
9	Selection Process	6
10	Accommodation	6
11	Certificate	6

OBJECTIVES

AIM

This course has been introduced for innovating a new method of practicing dentistry under high power magnification with the help of microscope. This method is currently not taught at undergraduate level and also in most specialties. Along with teaching Microscope use, many exclusive treatment methodologies can be taught in different fields of dentistry thus widening the range of treatment options. The course offers a rare chance to learn this latest and sophisticated way of performing dentistry under expert guidance and under the aegis of highly reputed MUHS at esteemed institution of GDC Mumbai. With better visualization the dentistry becomes more perfect and some of the jobs which are difficult to perform without microscope aid can be easily carried out. This expands the scope by improving diagnosis and additional treatment options and also stimulates a dentist to be innovative in his work, thus making a dental professional more complete

OBJECTIVES

The quality of treatment performed by a practicing dentist improves drastically as the course helps to shorten the learning curve in using Microscope and also teaches many treatment options of advanced variety of various specialties. This will help dentist to hone his skills further and add more treatment options to his already existing repertoire.

ELIGIBILITY

B.D.S. or MDS or any other equivalent degree recognized by the Dental Council of India.

DURATION OF COURSE

One Year. This course shall be conducted by Department of Microdentistry at Department of Conservative dentistry Government Dental College, Mumbai Under the aegis of Maharashtra University of Health Science, Nashik, St. George hospital Campus, Mumbai.

NO. OF SEATS

10 Seats. (Reservations as per state Government Rules)

FEES STRUCTURE

Rs. 1,00,000/- (Rs. One Lakh only)

- 1) Student will have to pay examination fees extra as & when applicable.
- 2) No concessions are admissible.
- 3) Student will have to pay total amount of fee at the time of admission only.
- 4) Partly payment of the fees is not acceptable.

REFUND OF FEES

Fees shall not be refunded on any ground.

APPLICATION PROCEDURE

- 1) Information broucher along with application form is available on University website (www.muhsnashik.ac.in) The candidates have to down load the form and sent it along with D.D. of Rs. 500/- drawn in favor of "Registrar MUHS Nashik" drawn on any branch of nationalize bank payable at Nashik.
- 2) Application form must be filled by candidate in legible handwriting & submit on or before last date of submission of application forms on following address.
'Incharge, Regional Office, Mumbai. Maharashtra University of Health Sciences, 4th floor, Government Dental College, St. George campus, Mumbai 40001'
- 3) An incomplete application form will be rejected.
- 4) Following attested copies are required to submit alonwith application form.

1. S.S.C. Certificate
2. H.S.C Mark sheet
3. First to Final year degree Mark sheet & PG Degree Mark sheet (in case having PG degree)
4. Degree Certificate
5. Caste Certificate (if applicable)
6. Caste Validity Certificate (if applicable)
7. Non- creamy layer Certificate (if applicable)

SELECTION PROCESS

After scrutiny of forms merit list shall be prepared on the basis of first to final year marks. Reservation norms shall also followed

1. Eligible candidates will be called for interview as per category wise merit list
2. Date of counseling/provisional admission will be informed on the website.
3. The candidate who will not appear for the interview on the notified date his/her admission shall be treated as cancelled.
4. Eligibility of the candidate will be finalized after verification of all original documents.
5. Decision of the selection committee and conditions mention in this broucher are mandatory.

ACCOMODATION

Students will have to make their own accommodation

CERTIFICATE

After successful completion of the course certificate shall be issued by the University