

ONGOING RESEARCH PROJECTS

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

S.No	TITLE	STUDENT NAME	GUIDE	RESEARCH AREA
1.	Success of early implant placement with intrasocket local application of simvastatin for socket preservation	Dr.A . Mounika	Dr.K.Amarnath	Meghna institute of dental sciences, Nizamabad
2.	Efficacy of 12.5% dextrose prolotherapy in temporomandibular joint disorders	Dr.N.Nikhila Reddy	Dr.G.Sai chand	Meghna institute of dental sciences,Nizamabad
3.	Evaluation of bone regeneration using intra oral alveolar distractor	Dr.M.Shushrutha	Dr.K.Amarnath	Meghna institute of dental sciences,Nizamabad
4.	Comparative evaluation of improvement in mouth opening using intralesional injections along with mouth exercising device versus intralesional injections with icecream stick exercise	Dr.Sarah Aziz Mohammed	Dr.K.Amarnath	Meghna institute of dental sciences,Nizamabad
5.	Efficacy of manuka honey- an intrasocket applicant after surgical removal of mandibular third molar-A comparative study	Dr.Gopishetty Anudeep	Dr.Naveen Kokkula	Meghna institute of dental sciences,Nizamabad

6.	Evaluation of efficacy of topical ozone therapy application for wound healing after surgical extraction of mandibular third molar-a prospective study	Dr. J .Kirankanth naik	Dr. K.Amarnath	Meghna institute of dental sciences,Nizamabad
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LIST OF ONGOING RESEARCH ACTIVITIES

DEPARTMENT OF ORAL MEDI INE AND RADIOLOGY

S.No	Name of Student / Faculty	Name of Guide	Project Title	Research Area	Funding Source (if applicable)	Expected Completion Date
7.	Dr. E. Sulochana	Dr. B.Praveen Kumar	Evaluation and Comparision of serum Hepcidin, serum Ferritin and Haemoglobin in Oral Submucous Fibrosis patients with that of Healthy subjects	Meghna Institute of Dental Sciences, Nizamabad	-	22 nd May 2024
8.	Dr. E. Sulochana	Dr. B.Praveen Kumar	Attitude of dentists and dental students regarding the future role of Artificial Intelligence in oral radiology	Meghna Institute of Dental Sciences, Nizamabad	-	31 st July 2023

9.	Dr. Javeria Sana	Dr. G.Madhulatha	Assessment of Anxiety, Depression and Serum cortisol in Oral submucous fibrosis and Recurrent Aphthous stomatitis with that of Healthy individuals	Meghna Institute of Dental Sciences, Nizamabad	-	22 nd May 2024
10.	Dr. Javeria Sana	Dr. G.Madhulatha	Awareness and knowledge attitude of dental students towards CBCT: a cross sectional study	Meghna Institute of Dental Sciences, Nizamabad	-	31 st July 2023
11.	Dr. P. Samskruthi	Dr. B.Praveen Kumar	Applications of reverse panoramic radiography for Age determination – A Radiographic study	Meghna Institute of Dental Sciences, Nizamabad	-	22 nd May 2024
12.	Dr. P. Samskruthi	Dr. B.Praveen Kumar	Knowledge and awareness about chair-side investigations for the screening of potentially	Meghna Institute of Dental Sciences, Nizamabad	-	31 st July 2023

			malignant oral disorders among dental students			
13.	Dr. M. Sai Nishanth	Dr. B.Praveen Kumar	Evaluation and comparison of relationship between serum homocystiene and vitamin b12 in patients having oral submucous fibrosis and oral lichen planus with that of healthy individuals	Meghna Institute of Dental Sciences, Nizamabad	-	5 th June 2025
14.	Dr. G.Madhulatha		Medial sigmoid depression in the identification of gender	Meghna Institute of Dental Sciences, Nizamabad	-	30 th January 2024
15.	Dr. G.Madhulatha		Anti arthritic drug causing gingival enlargement	Meghna Institute of Dental Sciences, Nizamabad	-	30 th April 2024

**DEPARTMENT OF CONSERVATIVE DENTISTRY AND
ENDODONTICS**

S.NO	NAME OF THE POST GRADUATE	YEAR	RESEARCH TITLE- DEPT OF CONSERVATIVE DENTISTRY AND ENDODONTICS
16.	M . SAI KRISHNA	2021- 2024	Comparative evaluation of smear layer removal

			using four different irrigation activation methods: An in vitro study.
17.	SRUJANA BOLLAM	2021-2024	Comparative evaluation of microleakage in three different restorative materials – an invitro confocal laser microscopic study.
18.	AMIT RAJ .K	2021- 2024	Assessment of surface roughness of endodontic files by three different root canal irrigants: an invitro study.
19.	HIMA RANJANA. P	2021-2024	Comparision of fracture resistance of posterior teeth restored with giomer, zircomer and amalgomer cr: an invitro study.
20.	SHASHANK .P	2021-2024	Comparative evaluation of cleaning efficacy of three different rotary retreatment file system with manual instrumentation in removing obturation material from root canals-an invitro stereomicroscopic study.
21.	M . MEGHANA CHAUDARY	2022- 2025	Evaluation of stress distribution in mandibular molar teeth with different iatrogenic root perforations repaired with Biodentine, MTA and Bioaggregate: A Finite Element Analysis
22.	SEETHA TEJASWI	2022-2025	Detection of dentinal microcracks in radicular dentin after shaping with xp endo shaper, protaper universal and hyflex edm using scanning electron microscope – an invitro study.
23.	NALLI MOUNIKA	2022-2025	A comparative evaluation of the sealing abiity of biodentine, mta plus, bio-c-repair root end filling materials by dye penetration method :an invitro study.
24.	E. RAKESH	2022-2025	Comparative evaluation of efficeincy of four different irrigants for smear layer removal using ultrasonic agitation in the apical third :an invitro scanning electron microscopy(sem) analysis.
25.	CH .LASYA	2022-2025	Comparative evaluation of the efficacy of three irrigants 17 % edta , 7% maleic acid and 0.2% chitosan on push out bond strength of two sealer ah plus and bioroot rcs :an invitro study .

DEPARTMENT OF PERIODONTICS

S.NO	YEAR	STUDENT NAME	THESIS
26.	2021-2022	Dr. B. SUMANYA	THE EFFECT OF SUBGINGIVAL APPLICATION OF INJECTABLE PLATELET RICH FIBRIN AS AN ADJUNCTIVE THERAPY TO INITIAL TREATMENT OF CHRONIC PERIODONTITIS IN DIABETIC
27.	2021-2022	Dr. DANIEL PRADEEP	ESTIMATION OF OSTEOPROTEGERIN LEVELS IN GCF OF SMOKERS, DIABETES MELLITUS AND SYSTEMICALLY HEALTHY PERIODONTITIS PATIENTS
28.	2021-2022	Dr. T. HINDUJA	COMAPRATIVE EVALUATION OF SOFT AND HARD TISSUE CHANGES AROUND DELAYED IMPLANTS WITH DIFFERENT NECK DESIGNS - A CLINICO-RADIOLOGICAL STUDY
29.	2021-2022	Dr. K. SAHITHI	ASSESSMENT OF SERUM HEPCIDIN AND HAEMOGLOBIN LEVELS IN HEALTHY AND DIABETES MELLITUS PATIENTS WITH CHRONIC PERIODONTITIS - AN INTERVENTIONAL STUDY
30.	2021-2022	Dr. D. POOJA	EFFECT OF MELATONIN SUPPLEMENTS ON THE LEVELS OF SALIVARY RANKL IN CHRONIC PERIODONTITIS PATIENTS

S.NO	YEAR	STUDENT NAME	THESIS
31.	2022-2023	Dr. THUMMA SUSHMA	EVALUATION OF THE EFFECT OF VIRGIN COCONUT OIL AFTER MICRONEEDLING ON HEALING AFTER PERIODONTAL FLAP SURGERY - A RANDOMIZED SPLIT MOUTH STUDY
32.	2022-2023	Dr. PRATISHA RAHLKAR	COMPARISON OF THE EFFECT OF OZONATED OLIVE OIL AND CHLORHEXIDINE GEL IN HEALING AFTER PERIODONTAL FLAP SURGERY BY EVALUATION OF CLINICAL PARAMETERS AND GCF LEVELS OF TGF- BETA 1 A SPLIT MOUTH RANDOMIZED CONTROLLED STUDY

33.	2022-2023	Dr. KANCHARLA PADMAVATI REDDY	EVALUATION OF EFFICACY OF CURCUMIN GEL AND CHLORHEXIDINE GEL IN PERIODONTITIS PATIENTS AS AN ADJUNCT TO NON SURGICAL PERIODONTAL THERAPY - A DOUBLE BLINDED RANDOMIZED CLINICAL STUDY
34.	2022-2023	Dr. GANGINENI SOWMYA SREE	COMPARATIVE EVALUATION OF CALPROTECTIN LEVELS IN GINGIVAL CREVICULAR FLUID AND SERUM OF HEALTHY AND CHRONIC PERIODONTITIS PATIENTS- A CLINICO BIOCHEMICAL STUDY
35.	2022-2023	Dr. ANUSHA MARKONDA	COMPARATIVE EVALUATION OF DIMENSIONAL CHANGES IN ALVEOLAR RIDGE USING COLLAGEN PLUG COMBINED WITH PRF FOLLOWING ATRAUMATIC EXTRACTION - A RANDOMIZED CONTROLLED CLINICAL TRIAL

DEPARTMENT OF PROSTHODONTICS

S.NO	YEAR	STUDENT NAME	THESIS
36.	2021	P.Swathi	Comparative Evaluation of flexural and Comparative strength of Conventional polymethylmethacrylate and graphene Reinforced poly me5hylmethcrylate
37.	2021	B.Sri manasa	Comparison of

			Dentistry and Quality Of Bone Formed In Extraction Sockets With And Without A P r f
37.	2021	Rishi goud	Evaluation of crestal bone loss in Immediate Implant Placements With And Without Socket Shield technique
38.	2021	D.Akhila	Anti- microbial Activity Of Denture Base Resin Containing nano Silver, nano Zinc Oxide And nano Titanium oxide
39.	2021	M.Kavya Sree	Evaluation of Peri-implan5 Marginal bone loss with long and short Prosthetic Implant abutments
40.	2022	J.Soumya	Effect of Incorporation Of zirconium oxide nano Particles On Thermal Conductivity And microhardness of

			heat polymerized Acrylic Denture Base materials
41.	2022	Lohit	Evaluation of Flexural Strength And Fracture Toughness Of Cobalt Chromium Metal Framework
42.	2022	B.Soumya	Comparison and Evaluation of Dimensional Accuracy Of Irreversible hydrocolloid material Incorporated With Zinc Oxide And Copper Oxide nanoparticles
43.	2022	M.Sri Chandana	Comparative Evaluation of Reinforced graphene Oxide On Fracture Toughness And Tensile Strength In Two different acrylic Denture Base Resins
44.	2022	Aishwarya	Evaluation of Flexural Strength And Fracture

			Toughness Of Fled spathic Metal Ceramic
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