### ONGOING RESEARCH PROJECTS

#### DEPARMENT OF ORAL AND MAXILLOFACIAL SURGERY

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

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

# LIST OF ONGOING RESEARCH ACTIVITIES

# **DEPARTMENT OF ORAL MEDI INE AND RADIOLOGY**

S.No	Name of	Name of	Project Title	Research	Funding	Expected
	Student	Guide	3	Area	Source (if	Completion
	/ Faculty				applicable)	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 <sup>nd</sup> 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 <sup>st</sup> July 2023

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

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13. Dr. M. Sai Dr. B.Praveen Evaluation Meghna - 5 <sup>th</sup> June   Nishanth Kumar and Institute of Dental Sciences, Nizamabad   of serum homocystiene and vitamin Nizamabad - 5 <sup>th</sup> June   13. Dr. M. Sai Dr. B.Praveen Evaluation Meghna - 5 <sup>th</sup> June   14. Dr. Meria Medial Meghna - 30 <sup>th</sup> January   14. Dr. Medial Medial Meghna - 30 <sup>th</sup> January   15. Dr. Anti arthritic Meghna - 30 <sup>th</sup> April   15. Dr. Anti arthritic Meghna - 30 <sup>th</sup> April   16. Dr. Anti arthritic Meghna - 30 <sup>th</sup> April   15. Dr. Anti arthritic Meghna - 30 <sup>th</sup> April   16. Dr. Anti arthritic Meghna - 30 <sup>th</sup> April				-			
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Nizamabad				emargement			
					Nizamabad		

### DEPARTMENT OF CONSERVATIVE DENTISTRY AND

# **ENDODONTICS**

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

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			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, zirconomer 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 WIITH 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	THESIS
		NAME	
36.	2021	P.Swathi	Comparative
			Evaluation of flexual
			and Comparative
			strengthof 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
			crestalboneloss 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
			bonelos 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	Comparision 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		
			differentacrylic Denture		
			Base Resins		
44.	2022	Aishwarya	Evaluation of Flexural		
			Strength And Fracture		

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	spathic Metal Ceramic		umic