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A Constituent Unit of Malla Reddy Vishwavidyapeeth (Deemed to be University) Suraram, Hyderabad.

LIST OF RESEARCH ACTIVITIES FOR THE YEAR 2025

Post Graduate Thesis: Invivo-12, Invitro-05

Short Studies: Invivo-09, Invitro-03

POST GRADUATE THESIS -17

S.no	Title of the study	Type of study & IEC Project No	Name of the PI & Department	Name of Guide
1	“Comparative Evaluation of Efficacy of Curcumin Gel Versus Hyaluronic Acid Gel as an Adjunct to Scaling and Root Planning in Chronic Periodontitis Patient”: A Clinical and Microbiological Study.	INVIVO STUDY	Dr. Ramadevi Kanukutla Department Of Periodontology and Oral Implantology	Dr Rupali Das Professor
2	“Comparative Evaluation of Efficacy of Local Drug Delivery of Tetracycline Impregnated Fibers Versus Chlorhexidine Perios Chip in Periodontal Pocket Reduction”: A Randomized Split Mouth Clinical Study.	INVIVO STUDY	Dr. Ameena Arshiya Department Of Periodontology and Oral Implantology	Dr P V Durga Rao Professor & HOD

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3	“Comparative evaluation of efficacy of doxycycline incorporated platelet rich fibrin versus platelet rich fibrin alone in the surgical management of chronic periodontitis” –A Randomized split mouth clinical study.	INVIVO STUDY	Dr. Suram Likhitha Department Of Periodontology and Oral Implantology	Dr P V Durga Rao Professor & HOD
4	” Comparative Evaluation of Marginal Bone Level and Bone Density Around Dental Implant Treated Locally with Simvastatin and Melatonin”- An In vivo Study	INVIVO STUDY	Dr Ashwitha Nalla Department Of Oral & Maxillofacial Prosthodontics and Implantology	Dr V Bhanu Chander Reader
5	“Evaluation Of Efficiency of Single Piece Basal Implant in Immediate Rehabilitation of Anterior Esthetic Tooth Region”-An In vivo study	INVIVO STUDY	C. Sravanthi Department Of Oral & Maxillofacial Surgery	Dr HarishKumar TVS Professor
6	“Evaluation Of Clinical Outcome Of 8mm Short Dental Implants in Atrophic Posterior Load Bearing Edentulous Space, A minimally Invasive Option”-A prospective Study	INVIVO STUDY	Dr. Maddi Rishitha Department Of Oral & Maxillofacial Surgery	Dr Neelima Professor
7	“Evaluation Of Efficacy and Safety of Intravenous Glutathione Injections for Facial Hyper Pigmentation and Skin Brightening”-An In vivo study	INVIVO STUDY	Dr. Anusha Pattnaik Department Of Oral & Maxillofacial Surgery	Dr G Santhosh Reddy Professor & HOD
8	“Comparative Evaluation of the Effectiveness of Three Restorative Procedures in Primary Teeth with A Six Months Follow Up” –A	INVIVO STUDY	Dr. A. Manasa Department Of Pedodontics and Preventive Dentistry	Dr P V Ravindranath Reddy

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	Randomized Clinical Trial			Professor & HOD
9	“Comparative Evaluation of the Pre-Analgesic Effects of Photo Biomodulation. A Customized Mucosal Vibrating Device and Topical Anesthesia on Behavior, Pain and Anxiety Management During Local Anesthesia in Primary Teeth”-A Randomized Clinical Trial	INVIVO STUDY	Dr. Gattu Sanjana Rothams Department Of Pedodontics and Preventive Dentistry	Dr Aruna Kumari G Professor
10	“A Comparative Study of Pain Reduction After Initial Arch Wire Placement in Orthodontic Patients Using Pharmacological and Non-Pharmacological Medicaments”	INVIVO STUDY	Dr. Karnati Anusha Department Of Orthodontics and Dentofacial Orthopedics	Dr Varun Reddy Reader
11	“The Influence of Hyperdivergent, Normodivergent, And Hypodivergent Growth Patterns on Smile Arc Aesthetics”	INVIVO STUDY	Dr. Datrika Kavya Shree Department Of Orthodontics and Dentofacial Orthopedics	Dr P V Yudhistar Professor & HOD
12	“Comparison Of Salivary Ph in Patients Undergoing Fixed Orthodontic Therapy Vs Clear Aligner Therapy”	INVIVO STUDY	Dr. Khazi Ahamed Asifa Department Of Orthodontics and Dentofacial Orthopedics	Dr Ojass Kumar Reader



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INVITRO STUDIES :5

S.no	Title of the study	Type of study & IEC Project No	Name of the PI & Department	Name of Guide
1	"Comparative Evaluation of Flexural Strength, Color, Stability and Surface Roughness of Provisional Restorative Materials with Three Different Fabrication Techniques"	INVITRO STUDY	Dr. Namilakonda Vaishnavi Department Of Oral and Maxillofacial Prosthodontics and Implantology	Dr Jisa Ann Alex Reader
2	"Comparative Evaluation of Surface Roughness, Antifungal Efficacy and Tear Strength of Denture Soft Liners Incorporated with Zirconium Oxide, Titanium Dioxide and Silicon Dioxide Nano Particles"	INVITRO STUDY	Dr. Mantha Raghavi Department Of Oral and Maxillofacial Prosthodontics and Implantology	Dr B. Chittaranjan Professor & HOD
3	"Comparative Evaluation of Filling Ability of Various formulations of MTA Based Cements After Apical Root End Resection with or Without Retrograde obturation"	INVITRO STUDY	Dr. Pachalla Sai Sri Sravya Department Of Conservative Dentistry And Endodontics	Dr Swathi A Professor & HOD
4	"Evaluation Of Cleaning Efficiency and Apical Debris Extrusion Using Different Re-Treatment Files and Xp Endo Finisher –R As Supplementary File During Re-Treatment"	INVITRO STUDY	Dr. Boggarapu Sushma Department Of Conservative Dentistry and Endodontics	Dr Swathi A Professor & HOD



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5	“Comparative Evaluation of Fluoride Ion Release and Surface Topography of Composite, Giomer, And Alkalsite Restorative Materials”	INVITR O STUDY	Dr. R. Apoorva Department Of Conservative Dentistry and Endodontics	Dr Nimeshika Ramachandrani Reader
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SHORT STUDIES: 9

S.no	TITLE OF THE STUDY	Type of study	Name of the PI & Department	Name of Guide
1	“Comparative Evaluation of Ornidazole Gel and Acacia Arabica Based Gel as an Adjunct to Non-Surgical Periodontal Therapy”-A Randomized Clinical Trial	INVIVO STUDY	Dr. E. Sri Vyshnavi Department Of Periodontology and Oral Implantology	Dr P V Duraga Rao Professor & HOD
2	“Comparative Evaluation to Assess the Effect of Laser Assisted New Attachment Procedure (LANAP) With/Without Human Placental Extracts as Local Drug Delivery in Treatment of Localized Periodontal Pocket”- A Randomized Clinical Trial	INVIVO STUDY	Dr. R. Alankrita Department Of Periodontology and Oral Implantology	Dr P V Duraga Rao Professor & HOD
3	“Presence Of Methanogenic Archaea in Teeth with Necrotic Root Canals Before and After Instrumentation of The Root Canal’	INVIVO STUDY	Dr. K. Mallika Yadav Department Of Cons & Endo	Dr Swathi A Professor & HOD
4	“Comparative Clinical and Radiographic Evaluation Of 3 Mixtalin and MTA As Pulp	INVIVO STUDY	Dr. S. Srija Mili Department Of Cons	Dr Swathi A Professor & HOD

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	Capping Agents": A Randomized Controlled Trial		& Endo	
5	'To Assess the Validity of Tooth Forms and Visagism" – An Observational Study	INVIVO STUDY	Dr. B. Sushma Co-Investigation: Dr. Pilli Bhavana Department Of Prosthodontics	Dr Priyanka Patra Reader
6	"Impact Of Oral Vitamin 'C' On Post Operative Pain Management After Extraction"	INVIVO STUDY	Dr. J. Sri Sai Mayukha Department Of Oral & Maxillofacial Surgery	Dr G Santhosh Reddy Professor & HOD
7	'No Antibiotics Vs 48 Hour Antibiotic Prophylaxis in Prevention of Surgical Site Infection After Simple Dental Extractions'-A Randomized Clinical Trial with Amoxicillin	INVIVO STUDY	Dr. Tasleem Begum Department Of Oral & Maxillofacial Surgery	Dr G Santhosh Reddy Professor & HOD
8	"Comparative Evaluation of the Effectiveness of Distraction Techniques – Painting, Gaming, Audio. Audio- Visual Aids in Reducing Anxiety"-A Randomized Control Trial	INVIVO STUDY	Dr. V. Spandana Department Of Pedodontics & Preventive Dentistry	Dr P V Ravindranath Reddy Professor & HOD
9	"Evaluating the efficacy of a customized mucosal vibrator with cold application in reducing pain during LA administration"-A Randomized control trial	INVIVO STUDY	Dr. R. Tejeshwari Thakur Department Of Pedodontics & Preventive Dentistry	Dr P V Ravindranath Reddy Professor & HOD



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INVITRO- SHORT STUDIES: 3

1	"Evaluation of Ocular Difficulties Among Dental Professionals Using the Dental Operating Microscope & Loupes"	INVITRO STUDY	Dr. K. Mallika Yadav Co-Investigators: S. Srija Mili , G.S. Susita Department Of Cons & Endo	Dr Swathi A Professor & HOD
2	"Comparative Analysis of Stress Distribution in Teeth Restored with Glass Fibre Post, Short Fibre Re in Forced Composite Post and Ribbond Fibre9Post-A 3D Finite Element Study"	INVITRO STUDY	Dr. G. S. Susita Department Of Cons & Endo	Dr Swathi A Professor & HOD
3	"Oral Pre-Cancerous Lesions: - Knowledge Awareness and Perception –An Institutional Study"	INVITRO STUDY	Dr. Shaik Ayesha Fathima Department Of Oral & Maxillofacial Surgery	Dr G Santhosh Reddy Professor & HOD




Dr. Vijay Kumar K V

Member Secretary IEC, MRDCW

**MEMBER SECRETARY,
MALLA REDDY DENTAL COLLEGE FOR WOMEN-
INSTITUTIONAL ETHICS COMMITTEE**