



(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of Malla Reddy Vishwavidyapeeth (Deemed to be University) Suraram, Hyderabad.

LIST OF RESEARCH ACTIVITIES FOR THE YEAR 2026

Post Graduate Thesis: In-vivo:13, In-vitro:4

Short Studies: In-vivo:5, In-vitro:3

POST GRADUATE THESIS -17				
<i>S.no</i>	<i>Title of the study</i>	<i>Type of study</i>	<i>Name of the PI & Department</i>	<i>Name of the Guide</i>
1	Socket preservation using Injectable Platelet Rich Fibrin with Abgel verses Xenograft with collagen plug- A comparative study.	INVIVO STUDY	Dr. M. Shravana Lakshmi Kumari Department of Oral and Maxillofacial Surgery	Dr. Geetla Santhosh Reddy Professor & HOD Department of Oral and Maxillofacial Surgery
2	Clinicaland Ultrasonographic evaluation after Temporomandibular joint Arthrocentesis with adjuvant Ultrasound therapy in TMJ internal derangements.	INVIVO STUDY	Dr. Pooja Nagorao Choudhari Department of Oral and maxillofacial Surgery	Dr. Harish Kumar TVS, Professor, Department of Oral and maxillofacial Surgery
3	Assessment of the efficacy of topical ozone gel verses systemic antibiotics in extraction socket healing and postoperative wound management.	INVIVO STUDY	Dr. Aditi Ravindra Ashturkar Department of Oral and maxillofacial Surgery	Dr. Chembolu Neelima,Professor, Department of Oral and maxillofacial Surgery
4	Comparitive evaluation of marginal bone loss and bone densitiy of dental implants following local treatment with vitamin-D	INVIVO STUDY	Dr. Shradha Agrawal Deparment of Oral and Maxillofacial Prosthodontics and	Dr. V. Bhanu Chander Professor, Department of Oral and Maxillofacial



(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad.

	alone and vitamin-D combined with injectible platelets rich fibrin: An In- Vivo study.		implantology	Prosthodontics and Implantology
5	Evaluating the effects of Hyaluronic acid, Chitosan Hydrogel on peri-implant soft tissue thickness during second stage implant surgery: An In-Vivo study.	INVIVO STUDY	Dr. Saloni Chougule Department of Oral and Maxillofacial Prosthodontics and implantology	Dr. B. Chittaranjan Head of the Department , Department of Oral and Maxillofacial Prosthodontics and implantology
6	Comparative CBCT study of maxillary sinus volume in subjects with unilateral impacted maxillary canine.	INVIVO STUDY	Dr. Bonthala Sreya Department of Orthodontics and dentofacial orthopaedics	Dr. Venkata Yudhistar Palla Professor and Head of the Department, Dept of Orthodontics and Dentofacial Orthopaedics
7	Comparative Cephalometric study of size and shape of Sella in patients with different vertical growth patterns with varying Y-axis angles.	INVIVO STUDY	Dr. Sumedha Bheemineni Department of Orthodontics and dentofacial orthopaedics	Dr. S. Ojass Kumar, Reader, Department of Orthodontics and dentofacial orthopaedics
8	Comparative evaluation of hand - wrist radiographs and cervical vertebral index for skeletal maturity	INVIVO STUDY	Dr. Kakaraparthi Venkata Srisatya Sadhika , Department of	Dr. Varun Reddy Attelli, Professor, Department of



(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad.

	assessment among pre-adolescents with various vertical facial patterns.		Orthodontics and dentofacial orthopaedics	Orthodontics and dentofacial orthopaedics
9	Evaluation of Regenerative potential of 0.2% Hyaluronic acid gel combined with Deproteinized bovine bone material (DBBM) in the management of Class-II furcation defects: A Randomised controlled clinical trial	INVIVO STUDY	Dr. Bhuvaneshwari.S Department of Periodontology and Implantology	Dr.K.Sashi Rekha Professor Department of Periodontology and Implantology
10	A comparative evaluation of postoperative pain and wound healing following periodontal flap surgery using Isoamyl-2-Cyanoacrylate, Triclosan coated resorbable suture and silk suture: A Randomised controlled clinical trial	INVIVO STUDY	Dr. Ruchira Sanjeeva Department of Periodontology and Implantology	Dr. P.V.Durga Rao, Professor and HOD, Department of Periodontology and Implantology
11	Comparative evaluation of Micro needling-assisted delivery of Vitamin C and Hyaluronic acid in the management of Plaque-induced Gingivitis:A Randomised controlled clinical trial	INVIVO STUDY	Dr. R. Namratha Department of Periodontology and Implantology	Dr. Rupali Das Professor, Department of Periodontology and Implantology
12	Behavioural outcomes and treatment acceptance using scented and unscented masks during N2O – O2	INVIVO STUDY	Dr. Sindhuja Devatha Department of Pedodontics and	Dr. P V Ravindranath Reddy,

MALLA REDDY
DENTAL COLLEGE FOR WOMEN

(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad.

	inhalation sedation in children – Randomized Clinical Trial.		preventive dentistry	Professor and HOD, Department of Pedodontics and preventive dentistry
13	Comparative analysis of gingival integrity , clamp stability, slippage and comfort with different rubber dam clamps in children: A randomized controlled study.	INVIVO STUDY	DR. Amara Deepika Jagannathan Department of Pedodontics and preventive dentistry	Dr. G. Aruna Kumari , Professor Department of Pedodontics and preventive dentistry

INVITRO STUDIES

S.no	Title of the study	Type of study	Name of the PI & Department	Name of the Guide
1	Comparative evaluation of shear bond strength of room temperature vulcanized silicon (RTV) to surface treated PMMA, PEEK and graphene reinforced PMMA (G-CAM) after accelerated aging: An In-Vitro study.	INVITRO STUDY	Dr. P. Rakshitha Sri Dept of Oral and Maxillofacial Prosthodontics and implantology	Dr. B. Chittaranjan, Head of the department , Dept of Oral and Maxillofacial Prosthodontics and implantology
2	A Comparative analysis of resin-dentin interface of Pre-Endodontic immediate Dentin sealing and collagen cross-linker enhanced delayed	INVITRO STUDY	Dr. K. Poojitha Dept of Conservative & Endodontics	Dr. Sivaram Penigalapati , Professor, Dept of Conservative & Endodontics

MALLA REDDY
DENTAL COLLEGE FOR WOMEN

(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad.

	dentin sealing: A confocal microscopic evaluation.			
3	Effect of laminarin as final irrigation on dentin against collagenase degradation in comparison with genipin and glutaraldehyde: An Ex-Vivo study.	INVITRO STUDY	Dr. E. Pavana Sindhu Department of Conservative & Endodontics	Dr. Swetha K, Professor, Department of Conservative & Endodontics
4	Efficacy of various techniques for the removal of hydrogel - based calcium hydroxide intracanal medicament: A Micro- CT analysis.	INVITRO STUDY	Dr. R. Sushma Department of Conservative dentistry & Endodontics	Dr. A. Swathi, Professor and Head of the Department, Dept of Conservative & Endodontics

SHORT STUDIES- 8

INVIVO SHORT STUDIES

<i>S.no</i>	<i>Title of the Study</i>	<i>Type of study</i>	<i>Name of the PI & Department</i>	<i>Name of the Guide</i>
1	Comparitive evaluation of cryotherapy and cooled anesthetic gel in reducing injection pain in children- A randomized clinical trial.	INVIVO STUDY	Dr. A. Manasa Department of Pedodontics and preventive dentistry	Dr. P V Ravindranath Reddy, Professor and HOD,

MALLA REDDY
DENTAL COLLEGE FOR WOMEN

(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad

				Department of Pedodontics and preventive dentistry
2	Comparative evaluation of anxiety, behavior and pain perception in children using conventional, camouflaged and insulin syringes, A randomized clinical trial	INVIVO STUDY	Dr. Amulya Reddy Department of Pedodontics and preventive dentistry	Dr. P V Ravindranath Reddy, Professor and HOD, Department of Pedodontics and preventive dentistry
3	Comparative evaluation of herbal and nonherbal mouthriness on early periodontal wound healing following flap surgery: A randomized clinical trial.	INVIVO STUDY	Dr. Aameena Arshiya Department of Periodontology and Implantology	Dr. P.V.Durga Rao, Professor and HOD, Department of Periodontology and Implantology
4	Comparative evaluation of collagen membrane(periocol) and platelet-rich fibrin for coverage in gingival recession: A randomized clinical study.	INVIVO STUDY	Dr. Ramadevi Kanukutla Department of Periodontology and Implantology	Dr. P.V.Durga Rao, Professor and HOD, Department of Periodontology and Implantology
5	Comparative evaluation of microneedling with injectable platelet-rich fibrin versus	INVIVO STUDY	Dr. S.Likitha Department of Periodontology and	Dr. P.V.Durga Rao, Professor and

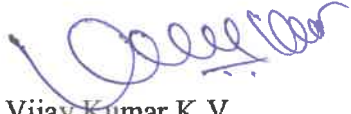
MALLA REDDY
DENTAL COLLEGE FOR WOMEN

(SPONSORED BY : CHANDRAMMA EDUCATIONAL SOCIETY)

Recognized by Dental Council of India, New Delhi, Ministry of Health & Family Welfare, Govt. of India.
A Constituent Unit of **Malla Reddy Vishwavidyapeeth (Deemed to be University)** Suraram, Hyderabad.

	microneedling with curcumin in gingival phenotype augmentation-A split-mouth randomized clinical trail.		Implantology	HOD, Department of Periodontology and Implantology
INVITROSHORT STUDIES				
1	An Invitro comparative analysis of interfacial hydroxyapatite formation and micro-voids following application of phytic acid-HAP and children-HAP complexes with bioceramic sealer.	INVITRO STUDY	Dr. B. Sushma Department of Conservative dentistry & Endodontics	Dr. A. Swathi Professor and Head of the Department, Dept of Conservative & Endodontics
2	Comparitive evaluation of depth of penetration and surface roughness using punica granuatum, leucas aspera, moringa oleifera and sodium hypochlorite and endodontic irrigants: An In-Vitro study.	INVITRO STUDY	Dr. R.Apoorva Department of Conservative dentistry & Endodontics	Dr. Nimeshika Ramachandrani Professor, Dept of Conservative & Endodontics
3	Preservation of root dentin integrity-comparitive assessment of intracanal medicaments over short and longterm exposure.	INVITRO STUDY	Dr. P.S.S. Sravya Department of Conservative dentistry & Endodontics	Dr. A. Swathi Professor and Head of the Department, Dept of Conservative & Endodontics




 Dr. Vijay Kumar K V

Member Secretary IEC, MRDCW
MEMBER SECRETARY,
MALLAREDDY DENTAL COLLEGE FOR WOMEN-
INSTITUTIONAL ETHICS COMMITTEE

Suraram 'X' Roads, Quthbullapur (M), Jeedimetla, Hyderabad - 500 055.

Phone : 91001 89797

Email: mrdcw2013@gmail.com Website: www.mrdcw.edu.in