

MALLA REDDY VISHWAVIDYAPEETH

MRV NEWS



Malla Reddy Vishwavidyapeeth

Malla Reddy Vishwavidyapeeth, a Deemed-to-be University in Hyderabad, houses 14 institutions across medicine, dental, nursing, pharmacy, and engineering. It blends academics with clinical training, research, and innovation to shape skilled professionals. With a focus on excellence, empowerment, and social responsibility, MRV is committed to creating future leaders in healthcare and education.

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2

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1

About Malla Reddy Vishwavidyapeeth :

"Malla Reddy Vishwavidyapeeth" (MRV) Deemed to be University is sponsored by the Chandramma Educational Society (CES) founded in 2002 by Shri. Ch. Malla Reddy who visioned to evolve a Center of Excellence in the field of education viz Medical Sciences, Dental Sciences, Allied Healthcare Sciences, Pharmaceutical Sciences, Nursing Sciences, Engineering & Technology by creating world-class infra-structure, introducing innovative inter-disciplinary programs, hiring well-qualified and globally trained faculty, nurturing research and innovation, establishing partnerships with industries, fostering international collaborations, promoting talent and engaging in outreach activities.

Encompassing a sprawling 75-acre campus, MRV boasts state-of-the-art facilities within academic, administrative and amenity blocks. The cosmopolitan ambiance attracts a diverse student population from across the globe, fostering an environment conducive to learning. This atmosphere provides access to experienced teaching faculty with international exposure, nurturing students' creative abilities and encouraging new innovations through knowledge partnerships. Our curriculum includes cutting-edge technologies and innovative coursework, preparing students to navigate the dynamic developments in the contemporary world.

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Welcome to the official newsletter of Malla Reddy Vishwavidyapeeth (MRV) a space where knowledge meets innovation and education transforms into impact.

In this edition, we bring you stories of growth, achievement and inspiration from across our campus. From academic milestones and research innovations to cultural highlights and student initiatives, the MRV Newsletter is your window into the vibrant life of our university.

Together, let's celebrate the spirit of learning, leadership and progress that defines MRV.

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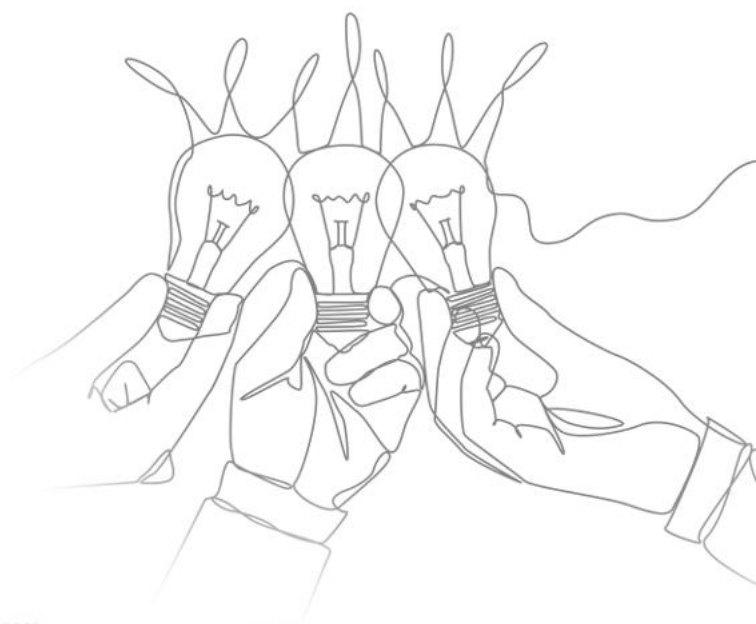
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MRV NEWS LETTER

EDITORIAL BOARD

01

Editorial Board Appointment ~ Dr. Arun Kumar Arora

ARDS

02-03

Faculty Members of MRIPS Honoured for Research Excellence ~ Dr. Arun Kumar Arora

Best Reviewer Award ~ Dr. Arun Kumar Arora

ARUNSS PROGRAM

03-08

Awareness Program on Manuscript Writing, Journal Identification, and Submission

~ Dr. Arun Kumar Arora

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World Heart Day Celebration Report ~ Dr. Arun Kumar Arora

Community Oral Health Initiative by the Department of Public Health Dentistry

~ Dr. Arun Kumar Arora

Children's day at MRIDS ~ Dr. Arun Kumar Arora

Nasha Mukta Bharat Abhiyaan Awareness Programs ~ Dr. Arun Kumar Arora

CONFERENCES

03-11

Our Team at the 8th Annual SAAE-India Conference ~ Dr. Arun Kumar Arora

Our Directorate of Research Team at the International Conference on Translational and Technological

Advances in Health Sciences (ICTAHS) 2025 ~ Dr. Arun Kumar Arora

Indian Endodontic Society Conference ~ Dr. Arun Kumar Arora

EVENTS

12-13

Independence Day Celebrations 2025 ~ Dr. Arun Kumar Arora

World Photography Day -19th August ~ Dr. Arun Kumar Arora

Teachers Day Celebrations 2025 ~ Dr. Arun Kumar Arora

OMR day celebrations ~ Dr. Arun Kumar Arora

Malla Reddy College of Nursing Celebrates Onam ~ Dr. Arun Kumar Arora

ACADEMIC DISCUSSION PROGRAM

18-19

3rd Cortex use of Pterygoids in full arch rehabilitation ~ Dr. Arun Kumar Arora

SCIENTIFIC

20-22

The ICRI Radiology Residents Teaching Program 2025 ~ Dr. Arun Kumar Arora

Flex, Shape, Seal: Simplifying Endodontics with Modern Rotary and Bioceramics

~ Dr. Arun Kumar Arora

World Dental Show 2025 ~ Dr. Arun Kumar Arora

INTERVIEW

23-24

Understanding 'Methodology' in Research ~ Dr. Arun Kumar Arora

Invited Talk at Kamineni Institute of Dental Sciences ~ Dr. Arun Kumar Arora

ORIENTATION PROGRAM

25-26

2nd year BDS Orientation Program ~ 2nd year BDS Orientation Program

First Year BDS Induction Ceremony (MRDCW MRIDS) ~ 1st year BDS Induction Ceremony

Malla Reddy College of Nursing National Unity Day Celebration ~ Malla Reddy College of Nursing National Unity Day Celebration

PUBLICATIONS

2024

Design and thermal analysis of radial engine piston using different materials ~ 2nd year BDS Induction Ceremony

Authors: Nagaraju Sunnam, S Gopal, Chandra Mohana Reddy Gangireddygar, Vemuri Venkata Phani Babu, Yalamanchili Saroja, Priyadarshini Munivel Chithra

Enhancing IoT Efficiency by Minimizing Latency and Boosting Real-Time Processing with Edge

Computing – Article 1 ~ 2nd year BDS Induction Ceremony

Authors: Syed Mohd Faisal.

Enhancing IoT Efficiency by Minimizing Latency and Boosting Real-Time Processing with Edge

Computing – Article 2 ~ 2nd year BDS Induction Ceremony

Authors: Mohd. Muqeem.

Clinical impact of including the shoulder joint in coronal-short TI inversion recovery sequence

in a routine cervical spine MRI ~ 2nd year BDS Induction Ceremony

Authors: Balakrishna Shetty, Dhruva B Shetty, Neema Kumari, Arunima Barre.

Comparison of implant survival in sites with previous endodontic failure vs peridontally

compromised teeth ~ 2nd year BDS Induction Ceremony

Authors: Akansh Datta, Pratik Bhatnagar, Nitin Pratap Shishodia3, Aishwarya Arya, Deepak Kolte, Kanak Waghmare Ritik Kashwani

Short vs standard length implants: A systemic review on clinical outcome and success rates

~ 2nd year BDS Induction Ceremony

Authors: Piyush Javiya, Mitra Esmaili, Jay Soni, Neelam Chandwani, Neelima Chowdary, Cherukumalli Kapalavayi, Aishwarya G Arya, Rashmi Laddha

Impact of prosthetic treatment on oral health related quality of life A refined OHIP approach

~ 2nd year BDS Induction Ceremony

Authors: Anupkumar W. Gore, Monika V. Padol, Aishwarya Arya, Bindu P. Siddamreddy, Shrinidhi Jain, Kouser Anees

A Study Comparing Diagnostic Approaches in Oral Surgery and Oral Medicine for Soft Tissue

Disorders ~ 2nd year BDS Induction Ceremony

Authors: Dibakar Sutradhar, Mithare Sangmesh, Sana Shahin, T. Pushpa Latha, Ashvin Wagh, Kirti Singh

Cascading Residual Graph Convolutional Networks for Knee Osteoarthritis Prediction and

Classification from X-Ray Images ~ 2nd year BDS Induction Ceremony

Authors: Ajay Kumar Miryala, Pulimamidi Nagaraju, B.Jogeswara Rao

Evaluation of biomedical waste management in hospitals: A cross-sectional review ~ 2nd year BDS Induction Ceremony

Authors: Vemuri Venkata Phani Babu, Saroja Yalamanchili, Ujwala Sriram

Taxonomy Aligned Topic modeling in Multimodal Systems Using TACTM: A Transformer-

Based Topic Modelling ~ 2nd year BDS Induction Ceremony

Authors: Bharathi Niruti, Dr. AVLN Sujith, Dr. Kanaka Durga Returi

Biomaterial Composites with Algal Polysaccharides for the Treatment of Diabetes Foot Ulcers

~ 2nd year BDS Induction Ceremony

Authors: Jayachandran Venkatesan, Neema Kumari, Kranti Kiran Reddy Ealla

Importance of Retinoic Acid Derivatives in Breast Cancer: A Literature Review ~ 2nd year BDS Induction Ceremony

Authors: JP Magesh Kirubakaran, Pooja Shrivastav, Sangeetha Ravichandran, Kranti Kiran Reddy Ealla, Sivakumar Vijayaraghavalu, Yuvaraj Srinivasan

18 N

Antibacterial Efficacy of N-Acetyl cysteine combined with two photodynamic therapy protocols against enterococcus faecalis in infected root canals: An in vitro study

~ a b c d e f g h i j k l m n o p q r s t u v w x y z

Authors: Nishi Singh, Suresh Shenvi, Ajay Praveen, Anshuman Khaitan, Shiva Kumar B, Kapil Ramesh Jadhav, Kavalipurapu Venkata Teja, Gianrico Spagnuolo, Mariangela Cernera, Carlo Rengo

S

18

Immediate implant and provisionalization ~ a b c d e f g h i j k l m n o p q r s t u v w x y z

SKI D O P M N P R A M

8

Mentor Together ~ a b c d e f g h i j k l m n o p q r s t u v w x y z

S D N C O R

18

Beyond the Medal: A Journey of growth at MRIPS ~ a b c d e f g h i j k l m n o p q r s t u v w x y z

W O R K S H O P

0

CP programme ~ a b c d e f g h i j k l m n o p q r s t u v w x y z

EDITORIAL BOARD OF DISCOVER ONCOLOGY

Malla Reddy Vishwavidyapeeth

Dr. Neema Kumari, from the Directorate of Research, has been appointed as a member of the Editorial Board of Discover Oncology, a peer-reviewed, open-access journal, indexed in Scopus and Web of Science, and published by Springer Nature. Discover Oncology is dedicated to publishing high-quality research that advances understanding and treatment of cancer. As an editorial board member, Dr. Neema Kumari will contribute to the journal's mission of promoting impactful scientific discoveries and fostering collaboration within the global oncology research community.

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FACULTY MEMBERS OF MRIPS HONORED FOR RESEARCH EXCELLENCE

As part of the Teachers' Day celebrations at MRIPS, several esteemed faculty members were recognized for their outstanding contributions to academic research. In a special felicitation ceremony held in the college auditorium, certificates of appreciation were awarded to the faculty for their research publications and achievements in their respective

fields. In addition to the certificates, eligible faculty members also received incentives as a token of encouragement and recognition for their continuous efforts in promoting a research-driven academic environment. The management and academic heads congratulated all the recipients and applauded their commitment to excellence, innovation, and scholarly

contribution. This recognition serves as a motivation for the entire teaching fraternity to pursue impactful research and academic growth. Faculty who received appreciation from MRIPS are Dr. P.Krishna Phanisri, Dr. Sangeetha, Dr.S.Ravindra Babu, Dr.S.Marakatham, Dr.B.Revathi, Dr.P. Anami Madhuri, Dr. Jayothi Rani, Dr. K.Sulana Priyadarshini, Dr.B.Rama, Dr. M.Swapna, Dr.D.Sushma



THE OUTSTANDING REVIEWER AWARD AT IESCON INDIAN ENDODONTIC SOCIETY

Dr. Kavalipurapu Venkata Teja, serving as a Reader in the Department of Conservative Dentistry & Endodontics at Malla Reddy Institute of Dental Sciences, was honored with the Outstanding Reviewer Award at IESCON 2025, Indian Endodontic Society, Goa, for contributing one of the highest numbers of manuscript reviews and delivering exceptional quality feedback to Endodontology. This recognition celebrates his dedication to strengthening evidence-based research and acknowledges his consistent commitment to providing thorough, constructive, and high-standard reviews that support the scientific advancement of the Indian Endodontic Society.



AWARENESS PROGRAM ON MANUSCRIPT WRITING, JOURNAL IDENTIFICATION AND SUBMISSION

Directorate of Research, Malla Reddy Vishwavidyalaya

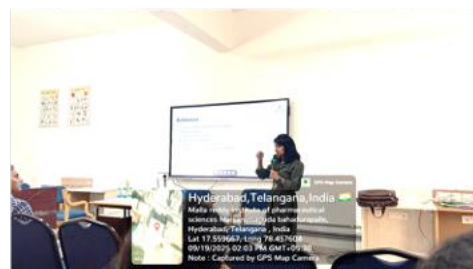
Date: 11 September 2025

Venue: Lecture Hall, Malla Reddy Institute of Pharmaceutical Sciences, Malla Reddy Vishwavidyalapeeth (MRVIPS), Hyderabad, Telangana 500100, India

Description: Malla Reddy Institute of Pharmaceutical Sciences, Malla Reddy Vishwavidyalapeeth, organized an awareness program aimed at

strengthening research and publication practices among faculty members. The session was led by Dr. Neema Kumari (Assistant Professor, MRVIPS) and Dr. Jayachandran Venkatesan (Professor & HOD, School of Dental Sciences and Technology, MRVIPS), who shared valuable insights on key aspects of manuscript writing, identifying suitable journals, and navigating the submission

process. With 25 faculty participants, the program fostered meaningful discussions on ethical publication practices, common pitfalls in manuscript preparation, identifying journals, and strategies for enhancing the visibility of research. The interactive format encouraged participants to engage with the speakers, making it an enriching and practical learning experience.



AWARENESS PROGRAM ON MANUSCRIPT WRITING, JOURNAL IDENTIFICATION AND SUBMISSION

Directorate of Research, Malla Reddy Vishwavidyalaya

Date: 11 August 2025

Venue: Lecture Hall, First Floor, Malla Reddy Medical College for Women,

Malla Reddy Vishwavidyalapeeth (MRVIPS) Technology, MRVIPS
Speakers: Dr. Neema Kumari (Assistant Professor, MRVIPS) & Dr. Jayachandran Venkatesan (Professor & HOD, School of Dental Sciences and

Technology, MRVIPS
Participants – 18 participants (faculties and PG students from Malla Reddy Medical College for Women, MRVIPS)

Description of the program aimed to equip faculty and postgraduate scholars with practical skills for improving manuscript quality and selecting reputable journals indexed in Scopus and Web of Science. Dr. Neema Kumari delivered a session on "Manuscript Writing Basics: Key Steps and Common Mistakes to Avoid",

covering core elements such as structuring articles (IMRaD), crafting precise titles and abstracts, preparing reproducible methods, presenting results effectively, ensuring ethical compliance, and avoiding predatory journals. Dr. Jayachandran Venkatesan presented on "Journal Indexing: Quartile Ranking Q1-Q4",

emphasizing journal scope matching, impact factor analysis, indexing checks, and submission essentials for a smooth peer-review process. The sessions provided actionable insights to help researchers produce high-quality, credible, and well-targeted scientific publications.



AWARENESS PROGRAM ON MANUSCRIPT WRITING, JOURNAL IDENTIFICATION AND SUBMISSION

Malla Reddy Dental College for Women
Date: 22 September 2025

Venue: Lecture Hall, Malla Reddy Dental College for Women, Malla Reddy Vishwavidyapeeth, MRV
Description: Malla Reddy Dental College for Women, Malla Reddy Vishwavidyapeeth, organized an awareness program aimed at strengthening research and publication practices among faculty members. The session was led by Dr. Neema Kumari, Assistant Professor, MRV and Dr.

Jayachandran Venkatesan, Professor and HOD, School of Dental Sciences and Technology, MRV, who shared valuable insights on key aspects of manuscript writing, identifying suitable journals, and navigating the submission process. With 50 faculty participants, the program fostered meaningful discussions on ethical publication practices, common pitfalls in manuscript preparation, identifying journals, and strategies for enhancing the visibility of research. The

interactive format encouraged participants to engage with the speakers, making it an enriching and practical learning experience. Mistakes to Avoid", covering core





WORLD HEART DAY CELEBRATION REPORT

Malla Reddy College of Nursing

Date: 22nd September 2025

Venue: Malla Reddy Hospital, Suraram, Hyderabad. World Heart Day was observed on 22nd September 2025 at Malla Reddy Hospital by the students and faculty of Malla Reddy College of Nursing, Suraram, Hyderabad. As part of the program, the students conducted a health awareness talk in the OPD.

The session was attended by more than 55 OPD patients and their family members. During the program, the students highlighted the following key points:

- Causes of heart diseases
- Warning signs and symptoms
- Preventive measures and lifestyle modifications

The event aimed to create awareness among the patients and community regarding the importance of heart health and prevention of cardiovascular diseases. The interactive session was well-received by the participants, who actively engaged with the students.



COMMUNITY ORAL HEALTH INITIATIVE BY THE DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Malla Reddy Institute of Dental Sciences

The Department of Public Health Dentistry, Malla Reddy Institute of Dental Sciences, headed by Dr. Parappa, HOD Department of public health dentistry conducted a free dental camp on 1st October at a Government School. The camp aimed to promote oral health awareness and provide essential dental care services to the community. Interns performed oral examinations for the attendees and offered appropriate treatment advice

and preventive measures. They educated on brushing techniques and told them to improve the oral hygiene. The initiative reflected the department's continued commitment to improving oral health among school children.



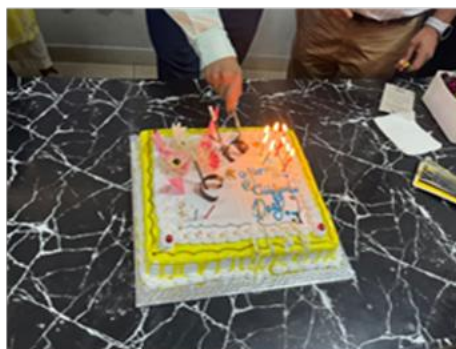
DEPARTMENT OF PAEDIATRIC AND PREVENTIVE DENTISTRY REPORT ON CHILDREN'S DAY

Malla Reddy Institute of Dental Sciences

The Department of Paediatric and Preventive Dentistry at Malla Reddy Institute of Dental Sciences celebrated Children's Day on 11.11.2025 with great enthusiasm under the leadership of Dr. R. Ramesh Kumar, Professor and Head of the Department. This year's theme, "Rally to Raise," highlighted

support for special and differently-abled children and was beautifully showcased in the rangoli designed for the occasion. The celebration was attended by staff members and Heads of various departments and commenced with a joyful cake-cutting ceremony. A major highlight was the Alumni Fundraiser,

featuring food stalls set up by interns, which received enthusiastic participation from students and faculty who contributed by purchasing items from the stalls. The event successfully blended festivity with purpose, demonstrating excellent coordination and wholehearted involvement from the entire department.



NASHA MUKT BHARAT ABHIYAAN AWARENESS PROGRAMS

Malla Reddy Institute of Dental Sciences

On 18, November 2025, the Department of Public Health Dentistry, Malla Reddy Institute of Dental sciences, conducted Nasha Mukta Bharat Abhiyaan awareness programs at CMR International School, Kundan palli, and Spoorthy Degree College, Keesara. Students presented an impactful role-play on the dangers of substance abuse, followed by a pledge ceremony at both institutions, where students and staff committed to promoting a drug-free environment.



‘మల్లారెడ్డి డెంటల్ సైన్సెస్’లో నశా ముక్త భారత్ అభియాన్..

నవతెలంగాణ - కుత్బుల్లాపూర్

మాదక ద్రవ్యాలతో యువతకు కలిగే దుష్ఠ పరిణామాలపై నశా ముక్త భారత్ అభియాన్ లో కార్యక్రమంలో భాగంగా మల్లారెడ్డి డెంటల్ సైన్సెస్ ఆధ్వర్యంలో ప్రత్యేక కార్యక్రమం నిర్వహించారు. ఈ కార్యక్రమం కీసర స్కూల్ డిగ్రీ కాలేజ్, సీఎంఆర్ ఇంటర్నేషనల్ స్కూల్ కొండంపల్లి ప్రాంతాల్లో యావత్ యువత మాదక ద్రవ్యాలకు దూరంగా ఉండాలని, వాటి ప్రాముఖ్యతను విద్యార్థులకు చేరవేయడం కోసం మల్లారెడ్డి ఇన్స్టిట్యూట్ ఆఫ్ డెంటల్ సైన్సెస్ విద్యార్థులు రూపొందించిన ధృవ్యం పాఠాభినయం అన్ని లోట్ల ప్రదర్శించి యువతని చైతన్య పరిచారు. ఈ కార్యక్రమంలో స్కూల్ కాలేజ్ ప్రెసిడెంట్ ఎండ్. మదర్, సీఎంఆర్



ఇంటర్నేషనల్ స్కూల్ డీన్ ఉమా శర్మ ప్రెసిడెంట్ సీఎంఆర్ కాలేజీ కార్యక్రమంలో పాల్గొని విద్యార్థులను మాదక ద్రవ్యాలకు దూరంగా ఉండాలని సూచించారు. స్కూల్ డిగ్రీ కాలేజీలో నిర్వహించిన కార్యక్రమంలో దాదాపు 60 మంది విద్యార్థులకు ఉచిత దంత వరీక్షలు నిర్వహించారు. విద్యార్థుల నోటిద్వారా ఆరోగ్య స్థితి పరీక్షించి అవసరమైన సూచనలు అందించారు. ఈ

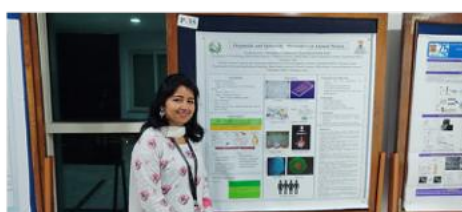
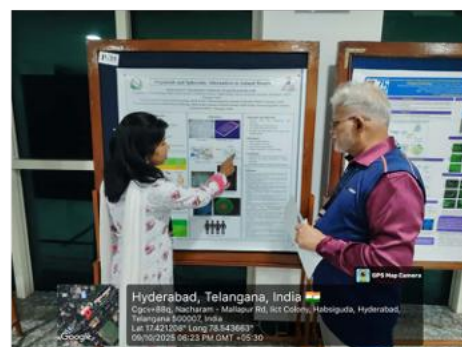
కార్యక్రమాన్ని ప్రొఫెసర్ డా.పరమ సజ్జన్ సమన్వయం చేసి మాట్లాడుతూ.. విద్యార్థులు, యువత మాదక ద్రవ్యాలకు దూరంగా ఉండాలని, ఆరోగ్యకరమైన భవిష్యత్తు వైపు అడుగులు వేయాలని సూచించారు. ఈ మాదక ద్రవ్యాల అవగాహనను తమ కుటుంబ సభ్యులకు, సమాజానికి చేరవేయాలన్నారు. ఈ కార్యక్రమంలో దంత కళాశాల అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

20/11/2025 | HYDERABAD | Page : 4
Source : <https://epaper.navatelangana.com/>

OUR TEAM AT THE 8TH ANNUAL SAAE INDIA CONFERENCE

Malla Reddy Vishwavidyapeeth
From 8th October 2025 to 10th October 2025, Dr. Jayachandran Venkatesan and Dr. Neema Kumari, members of the Directorate of Research at Malla Reddy Vishwavidyapeeth, participated in the 8th Annual Conference of SAAE-India (Society for Alternatives to Animal Experiments) held at CSIR-Centre for Cellular and Molecular Biology. This conference brought together stakeholders from academia, industry, governmental agencies, and animal welfare sectors to highlight and advance research under the “3Rs” paradigm (Replacement, Reduction, Refinement) and new approach methodologies (NAMs). Our Contributions were honoured to present two posters at the conference. Abstracts of each poster were also published in the Abstract Book of the conference. Poster 1: Bone Organoids: Bridging Bench Research and Clinical Application. Authors: Jayachandran Venkatesan, Neema Kumari, Kranti Kiran Reddy. Poster 2: Organoids

and Spheroids- Alternatives to Animal Models. Authors: Neema Kumari, Jayachandran Venkatesan, Kranti Kiran Reddy. **Key Takeaways**
• Insights • A growing emphasis at this conference was on non-animal, human-relevant models and in silico organ-on-chip microfluidic platforms.
• Several talks underscored the importance of standardisation, validation, and regulatory acceptance of new methods.
• Networking opportunities led to conversations about possible collaborative projects and funding proposals in the region.
• The awards and recognition—such as Mattek Poster Presentation Awards and Oral Presentation Awards—highlighted excellence in alternative-method research.
• Reflections & Acknowledgments
Attending the SAAE Conference was an enriching experience. It strengthened our understanding of the frontiers in alternative-method research and allowed us to benchmark our work against national peers.



OUR DIRECTORATE OF RESEARCH TEAM AT THE INTERNATIONAL CONFERENCE ON TRANSLATIONAL TECHNOLOGICAL ADVANCES IN HEALTH SCIENCES (ICTAHS)

Event Overview

Faculty members of the Directorate of Research, Malla Reddy Vishwavidyapeeth (MRV)—Dr. Jayachandran Venkatesan, Dr. Neema Kumari, Dr. Ameer Khusro, Dr. Pandurang Dalavi, and Ms. Manisha Pandey—participated in the International Conference on Translational and Technological Advances in Health Sciences (ICTAHS 2025) held at Dayananda Sagar University, Bengaluru, from 14–15 November 2025. Pre-Conference (14 November 2025) the team attended the pre-conference workshops, which focused on recent technological and methodological advancements in health sciences. These hands-on sessions provided valuable exposure to emerging tools and experimental approaches relevant to translational research. Conference Highlights (14–15 November 2025) the main conference featured keynote talks, scientific sessions, poster sessions,

and panel discussions covering areas such as

- Alzheimer's biomarkers
- Genomics and gene editing
- Translational nursing science
- CB research pathways
- AI, ethics, and innovations in medical education
- Technological advances in sports science and One Health Day 1 concluded with a poster/oral presentation session and a cultural programme, while Day 2 ended with the Valedictory Ceremony. MRV's Contributions MRV researchers made significant academic contributions through three posters and three oral presentations, all of which were well received. Poster abstracts were also published in the conference Abstract Book. Poster presentations
 - Cross-linking Strategies in Silk Fibroin Hydrogels for Biomedical Applications
 - Remineralization potential of natural hydroxyapatite obtained from goat bone source in artificially induced enamel lesion
 - An in

vitro study • Understanding Gestational Diabetes Mellitus Knowledge, Attitudes, and Practices Among Pregnant Women in Suraram, Hyderabad Oral Presentations

- The Role of Heterocyclic Compound in Facilitating the Foliation of Molybdenum Disulfide and Its Application in Bone Tissue Engineering
- A-A2 increases the α -type Calcium Channels mRNA and Intracellular Calcium Level in the Human Embryonic Kidney Cell Line
- Biogenic Microwave-Assisted Synthesis of Polygonal Gold Nanoplates using Staphylococcus hominis as Reducer and Its Statistical Optimization for Therapeutic Attributes

 Conclusion Participation in ICTAHS 2025 provided the MRV team with rich academic exposure, opportunities for collaboration, and insights into cutting-edge research. The conference significantly strengthened MRV's engagement with national and international scientific communities.



PAPER PRESENTATION INDIAN ENDODONTIC SOCIETY CONFERENCE

Dr. Kavalipurapu Venkata Teja, serving as a Reader in the Department of Conservative Dentistry & Endodontics at Malla Reddy Institute of Dental Sciences, actively participated in the 33rd National Conference of the Indian Endodontic Society (IESCON 2025) held at Kala Academy, Goa, from 31st October to 2nd November 2025. He presented a scientific research paper, enriching the scientific session with his academic contribution and engaging with delegates from across the country. His presentation added significant value to the conference and fostered meaningful academic exchange.



INDEPENDENCE DAY CELEBRATIONS

Malla Reddy Institute of Pharmaceutical Sciences

On 1st August, our college Malla Reddy Institute of Pharmaceutical Sciences celebrated Independence Day with great zeal and patriotic spirit. The program started with the flag hoisting ceremony, followed by inspiring speeches that highlighted the value of independence and the

sacrifices of our freedom fighters. To make the day more lively, various cultural and recreational activities were conducted such as dance performances, carroms, chess, lemon and spoon race, and musical chairs. The dance performances added vibrancy and showcased the talents of our students, while the games created

a cheerful and competitive atmosphere. The celebration not only filled everyone with patriotic pride but also strengthened unity among students and faculty. It was truly a memorable event that beautifully combined the spirit of freedom with culture, fun, and togetherness.



WORLD PHOTOGRAPHY DAY A SNAPSHOT OF THE JOURNEY

Malla Reddy Institute of Pharmaceutical Sciences

Addanji Ansha Associate Professor MRIPS. A single photograph can tell a thousand stories, and on this World Photography Day, one image from my

college stands out vividly in my mind a picture of the main building of our pharmacy college. This photograph is more than just a visual delight, it reminds me of the place that shaped who I am today. As a student, I walked

those corridors filled with curiosity and dreams. The college atmosphere was a perfect blend of academic rigor and personal growth. I was inspired by the dedication of the faculty, the well-equipped labs, the quiet hum of the

library, and the way the college emphasized scientific knowledge and compassionate care. It was in those lecture halls and practical labs that my passion for pharmacy deepened. That makes this photograph truly special to me is that it now reflects not just my past as a student, but also my present as an associate professor in the same college. Returning as a faculty member, I strive to give back the same guidance and inspiration I once received. Every day, I walk into this campus not just to teach, but to help ignite the same spark in my students that once changed my life. On this World Photography Day, I celebrate not only the art of photography but also the powerful story one photo can tell a story of transformation, gratitude, and a lifelong bond with an institution that continues to inspire me. **Mrs.B.Revathi Associate Professor~** In this era of Instagram and Snapchat, where life is lived through photographs, why not make memories that last a lifetime? At MRIPS, with nearly 1000 vibrant students every year aged 18-24, the heartbeat of campus life thrives on sharing pictures, streaks, and stories through the lens. As a professor to these young minds, I don't just teach - I learn with them every single day. The two photographs captured and presented by my dear students beautifully reflect the places closest to my heart at MRIPS - the Classroom and the Stage.



where curiosity thrives, ideas are exchanged, and knowledge is built together. It's not just about lectures, but about interactions, discussions, and creating lifelong connections. Stage - The Platform of Expression A place where talents shine through drama, music, speeches, and creativity. It builds courage, confidence, and a voice for every student who steps onto it. Together, these two spaces symbolize the essence of college life at MRIPS-one nurturing the mind, and the other empowering expression. They remind us that education is not just about learning, but also about living, sharing, and making memories.



College...a favourite chapter of every student's life ❤️
More than a campus, it's a lifetime of memories 🥰



Shot by A. Vishweshwar B. Pharm 2nd year

World Photography Day

Malla Reddy Institute Of Pharmaceutical Sciences



MRIPS College, a city landmark, stands under gray skies, hinting at rain. A cool breeze sweeps through its green lawns, rustling ancient trees. Students, in bright raincoats, hurry between classes, their laughter echoing. The red-brick buildings glow softly in the diffused light. As rain begins, the campus feels magical, inviting students to gather and enjoy nature's beauty together.

Shot by D. Abhishek
B. Pharm 2nd year

CELEBRATION OF TEACHERS' DAY AT MRIPS

Malla Reddy Institute of Pharmaceutical Sciences

Date: 5th September 2025

Venue: MRIPS Auditorium

Organized by: Students' Council and Cultural Committee Teachers' Day was celebrated with great enthusiasm and respect by the students of MRIPS on 5th September 2025, to honour and express gratitude towards the teaching faculty for their relentless dedication and guidance. The event commenced at 10:00 AM in the college auditorium, which was beautifully decorated by student volunteers. The celebration began with a solemn prayer followed by the lighting of the lamp by the Principal, Dr. H. Ramana, along with senior faculty members. A welcome speech was delivered by the General Secretary of the Students' Council, who

acknowledged the invaluable contributions of teachers in shaping students' futures. Following this, a series of cultural performances including songs, dances, poetry recitations, and a short skit were presented by the students, all centered around the theme of appreciating and celebrating educators. One of the highlights of the event was a video presentation showcasing heartfelt messages from alumni and current students, expressing their gratitude and sharing memorable moments with their teachers. This was followed by a fun segment where teachers participated in light games and activities organized by students, adding joy and laughter to the occasion. The Principal then addressed the gathering, appreciating the efforts of students in organizing a meaningful and

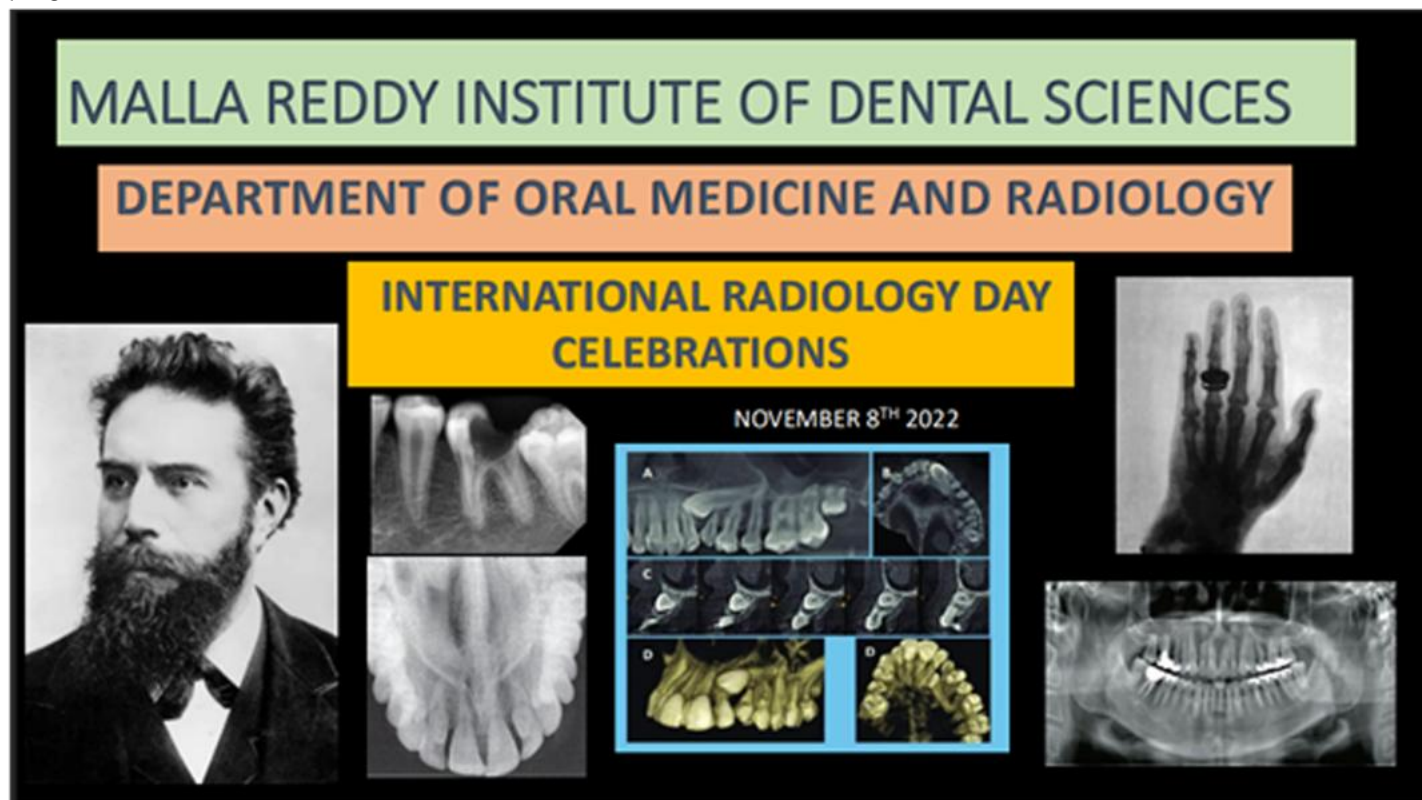
vibrant celebration. She also highlighted the significance of Teachers' Day and encouraged students to continue respecting and learning from their mentors. The event concluded with a vote of thanks delivered by the Cultural Committee head, followed by refreshments for all attendees. Overall, the celebration was a memorable and heartwarming tribute to the teachers, reflecting the deep bond between students and faculty at MRIPS.



OMR DAY CELEBRATIONS

Malla Reddy Institute of Dental Sciences

International Radiology Day marks the anniversary of the discovery of X-rays in 1895. The purpose of this day is to raise awareness of radiographic imaging, Radiation protection and therapy, which play a crucial role in the diagnosis and treatment of patients. This year the Department of Oral Medicine and Radiology has conducted series of competitions for students. For 4th year students and Interns Rangoli, Reel and meme making competition was conducted and for 3rd year Quiz program was conducted.



MALLA REDDY COLLEGE OF NURSING CELEBRATES ONAM

Malla Reddy College of Nursing

Malla Reddy College of Nursing, a constituent unit of Malla Reddy Vishwavidyapeeth Deemed to be University, Hyderabad, joyfully celebrated the vibrant festival of Onam on August 10th, 2025, at the college campus in Suraram, Hyderabad.

The event commenced at 10:00 AM, bringing together students, faculty, and staff to honor the spirit of Onam—a festival that symbolizes unity, prosperity, and cultural heritage. The celebrations featured traditional rituals and festivities reflecting the

cultural richness of Kerala. Cultural performances including music, dance, and skits by students.

A colorful Pookalam (floral rangoli) and depictions of the legendary boat race, capturing the festive essence of Onam. Addressing the gathering, Dr. N. Balasubramanian, Dean of Nursing, extended warm wishes to students and faculty, emphasizing the importance of cultural celebrations in strengthening bonds within the academic community. Dr. Sudha Rani, Vice Principal, also conveyed her greetings, appreciating the

enthusiasm and creativity of the students in organizing the program.

Both students and faculty members shared their heartfelt wishes for Onam, expressing joy and togetherness while highlighting the values of unity, happiness, and prosperity that the festival represents. Their collective spirit made the celebration more meaningful and memorable. The day concluded with a spirit of joy and togetherness, leaving everyone with cherished memories of Onam celebrations at the college.



BOARD CERTIFICATE OF ATTENDANCE IN FULL ARCH REHABILITATION

Dr. T. Pushpalatha, Reader, Department of periodontology attended lecture on scientific discourse of dental Implants. The scientific session is about immediate implants and their provisionalisation at Panineeya Institute of Dental Sciences and Research centre, Hyderabad on 28th April 2025.



IMMEDIATE IMPLANT AND PROVISIONALIZATION

Mallareddy Institute of Dental Sciences

Dr. Aishwarya Arya, Reader in Department of Periodontology and Implantology at Mallareddy Institute of Dental Sciences, attended a Scientific discourse on Dental Implants at Panineya Institute of Dental Sciences on 28th April, 2025 and got certified by Dr MD Ketabi Phd in Periodontology and Implantology.



THE ICRI RADIOLOGY RESIDENTS TEACHING PROGRAM

Malla Reddy Institute of Medical Sciences
Guest Lecture

The ICRI Radiology Residents Teaching Program 2025 featured an enlightening lecture by Dr. Balakrishna Shetty, Pro-Vice Chancellor ICRIR on "Trauma", held on 28th September 2025 as part of an online webinar organised by ICRI/IRIA. The session was highly appreciated by residents for its practical insights and depth of expertise. In recognition of his valuable contribution, Dr. Shetty was presented with a certificate of appreciation by ICRI and IRIA officials.



GUEST LECTURE HANDS ON AT 11TH KERALA STATE IDA CDE

Dr. Kavalipurapu Venkata Reddy, Reader in the Department of Conservative Dentistry & Endodontics at Malla Reddy Institute of Dental Sciences, Hyderabad, was honoured by the Indian Dental Association – Kerala State as the invited speaker for the 11th State CDE Programme, which was jointly hosted by the IDA Ernad, IDA Kondotty, and IDA Kollam branches. He delivered an insightful lecture titled "Flex, Shape, Seal: Simplifying Endodontics with Modern Rotary and Bioceramics", sharing advanced concepts on rotary

instrumentation, irrigation optimisation, and bioceramic obturation protocols. In addition to the lecture, Dr. Reddy conducted an extensive hands-on training session, where participants received practical guidance on NiTi file negotiation, shaping, and glide-path management Application of bioceramic sealers and single-cone obturation techniques Handling curved and complex canals using simulated models Strategies to prevent file separation and ensure effective irrigation This event showcased

Dr. Reddy's dedication to enhancing clinical skills and promoting evidence-based endodontic practice among dental professionals across India.



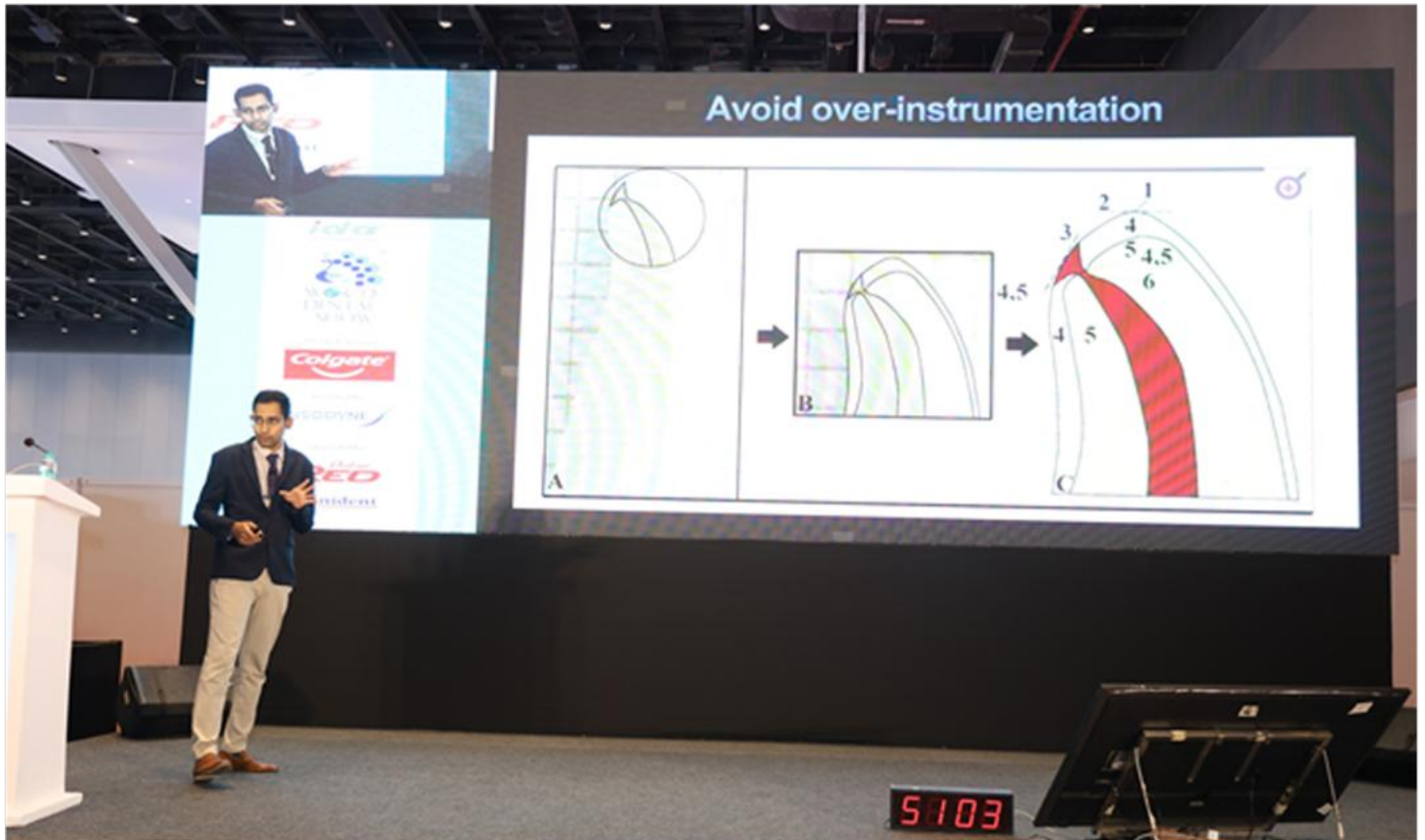


BEST LECTURE WORLD DENTAL SHOW

Dr. Kavalipurapu Venkata Teja, Reader in the Department of Conservative Dentistry & Endodontics at Malla Reddy Institute of Dental Sciences, contributed significantly as a Speaker at the Scientific Programme of the World Dental Show 2025, at the Jio World Centre, Mumbai, brought together distinguished dental professionals from across the country. During his session, Dr. Teja delivered a highly informative and clinically relevant presentation that enriched the scientific proceedings of the conference. His lecture showcased his deep expertise in Endodontics, blending scientific evidence with practical clinical insights.

He emphasized critical concepts, contemporary techniques, and the evolving perspectives that guide modern endodontic practice. Participants appreciated his clear communication style, structured flow of content, and ability to simplify complex topics while maintaining strong academic depth. His contribution added immense value to the scientific forum and enhanced the learning experience for all attendees. Dr. Teja's dedication to advancing dental education and his commitment to clinical excellence were widely acknowledged, making his session one of the highlights of the Scientific Programme.





UNDERSTANDING 'METHODOLOGY' IN RESEARCH

Directorate of Research, Malla Reddy Vishwavidyapeeth

Date: 23 September 2025

Venue: Lecture Hall, Malla Reddy Institute of Dental Sciences, Malla Reddy Vishwavidyapeeth
Description: Dr. Neema Kumari was invited for a talk on "Understanding 'Methodology' in Research" at Malla Reddy Institute of Dental Sciences

, Malla Reddy Vishwavidyapeeth. The institute organized a workshop on the Essentials of Dental Research, aimed at strengthening research and publication practices among faculty members and postgraduates. Dr. Neema delivered her talk to the faculty and PG participants, emphasizing the importance of methodology in dental research. It emphasized validity, reliability,

and transparency in study design, data collection, and analysis. Different approaches—quantitative, qualitative, and mixed methods—were discussed. Statistical tools and ethical considerations were stressed as essential for evidence-based practice and advancing dental science.



THE KAMINENI INSTITUTE OF DENTAL SCIENCES AS PART OF THE EVENT ICDE PROGRAM HANDS ON WORKSHOP

Malla Reddy Vishwavidyapeeth

Date: 23 September 2025

Venue: Kamineni Institute of Dental Sciences, Nalgonda

Description:

Dr. Neema Kumari and Dr. Jayachandran Venkatesan were invited to give invited talks at the Kamineni Institute of Dental Sciences as part of the event ICDE Program Hands-on Workshop on 23rd September 2025.

Dr. Neema Kumari spoke on “Effective Research Article Writing and Submission,” while Dr. Jayachandran Venkatesan focused on “Shortlisting

and Selecting Journals for our Next Publications.” Following their presentations, both conducted hands-on training sessions. Dr. Neema

demonstrated how to use Zotero, and Dr. Jayachandran led a session on EndNote. The event concluded with participants leaving enriched with new knowledge.



1ST YEAR BDS ORIENTATION PROGRAM

Mallareddy Institute of Dental Sciences & Malla Reddy Dental College for Women.

REPORT The Orientation Day Programme for the newly admitted second-year BDS students was held on 1st October at the Auditorium. The event began with a warm welcome to the distinguished dignitaries—Hon'ble Chancellor Dr. Sudha Ramana, respected Deans Dr. Chittaranjan and Dr. Venkata Ramana Reddy, and the Chief Guest Major General Retd. Dr.

Bollina Venkata Rao. The dignitaries addressed the gathering with motivating words, encouraging the students as they entered the next phase of their academic journey. The Chief Guest delivered an inspiring and thought-provoking lecture, emphasizing the importance of cleanliness, discipline, and the responsibilities of young citizens in building a better India. Following his address, a brief anti-ragging

conducted by Dr. Harish Benneti, Professor in the Department of Oral and Maxillofacial Surgery, who highlighted the importance of maintaining a safe, respectful, and inclusive campus environment. The programme concluded with a vote of thanks, expressing heartfelt appreciation to all dignitaries, faculty members, and students for their participation and for making the event a memorable success.



1ST YEAR BDS INDUCTION ORIENTATION PROGRAM ON OCTOBER 2ND

Malla Reddy Institute of Dental Sciences. Malla Reddy Dental College for women. The induction ceremony for the first-year BDS students of Malla Reddy Dental College for women and Malla Reddy Institute of Dental Sciences was held on 2nd October 2025 at the Cricket Ground opposite to Malla Reddy Institute of Medical Sciences. The event was graced by the Honourable Founder, Sri Malla Reddy Naru, as the Chief Guest, and Mr. Vikram Reddy, Member of the Dental Council of India, as the Guest of Honour. All the dignitaries from Malla Reddy Vishwavidyapeeth

attended the ceremony, extending their warm wishes and heartfelt congratulations to the newly admitted students. The speakers encouraged the students to make the best use of the university's facilities and to embrace new concepts and innovations in the field of dentistry. The event marked a memorable beginning to the students' professional journey, inspiring them to uphold the values of dedication, compassion, and excellence. The program concluded with enthusiasm and optimism, setting a positive tone for the academic year ahead.



MALLA REDDY COLLEGE OF NURSING NATIONAL UNITY DAY CELEBRATION

Malla Reddy College of Nursing observed National Unity Day on 3rd November to commemorate the birth anniversary of Sardar Vallabhbhai Patel. The event aimed to foster the spirit of unity and integrity among students. Lt. Col. Dr. Ashok Retd. Army Officer, graced the occasion as the chief guest and delivered an inspiring address on the significance of national integration and patriotism. The programme included a Unity Pledge and various student activities promoting the ideas of Sardar Patel. Dr. N. Balasubramanian, Dean of the nursing college felicitated the chief guest and emphasized that

unity and teamwork are the keys to success. The event concluded with a vote of thanks, expressing gratitude to the chief guest, faculty, and students for their active participation.



COMPARISON OF IMPLANT SURVIVAL IN SITES WITH PREVIOUS ENDODONTIC FAILURE VERSUS PERIODONTALLY COMPROMISED TEETH

MallaReddy Institute of Dental Sciences.

<https://doi.org/10.1231/doi.sr.2023.021>

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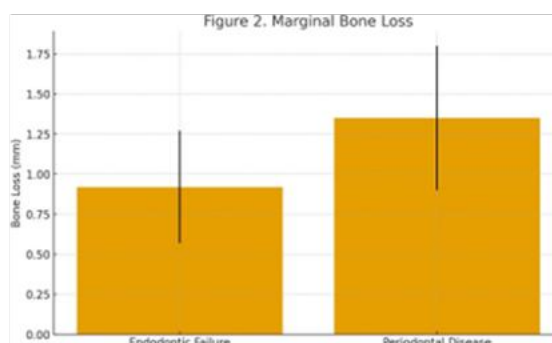
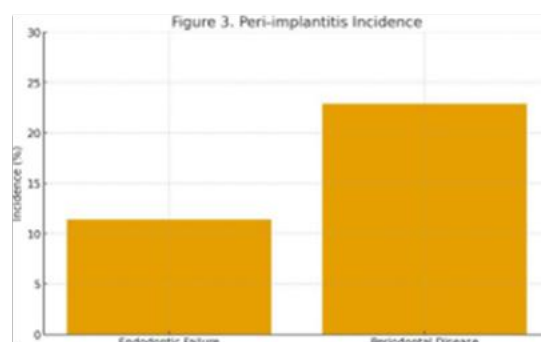
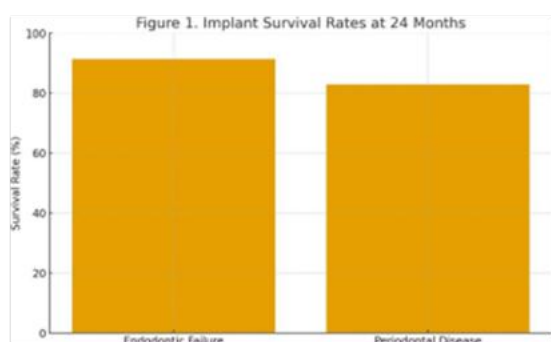
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STRONG OBJECTIVE This study aimed to compare the survival and clinical performance of dental implants placed in sites with a history of endodontic failure versus those affected by periodontal disease. **Methods** A total of 60 patients were enrolled and divided into two equal groups: Group A (endodontic failure, n = 30) and Group B (periodontal disease, n = 30). All implants were placed using a standardized two-stage surgical protocol and followed for 24 months. Primary outcomes included implant survival, marginal bone loss, probing depth, and incidence of peri-implantitis. Secondary outcomes were patient satisfaction and postoperative infection rates. Statistical

analysis was performed using Kaplan–Meier survival estimates, t-tests, and chi-square analysis, with p < 0.05 considered significant. **Results** At 24 months, implant survival was higher in Group A (91.66%) than Group B (82.22%). Marginal bone loss was significantly lower in the endodontic group (0.92 ± 0.5 mm) compared with the periodontal group (1.35 ± 0.5 mm). The incidence of peri-implantitis was 11.66% in Group A and 22.22% in Group B, while mean probing depths were 3.1 ± 0.8 mm and 3.4 ± 0.4 mm, respectively. Patient satisfaction scores were high in both groups but slightly favored the endodontic group. Postoperative infections were more frequent in periodontally compromised sites. **Conclusion** Implants placed in sites with a history of endodontic failure demonstrated favorable outcomes comparable to healthy sites, whereas those placed in periodontally compromised patients showed reduced survival and increased biological complications. Periodontal history remains a significant risk factor requiring strict maintenance protocols.



SHORT vs STANDARD LENGTH IMPLANTS: A SYSTEMIC REVIEW ON CLINICAL OUTCOME AND SUCCESS RATES

Malla Reddy Institute of Dental Sciences
<https://publicationethics.org/>

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Abstract Dental implants have become a reliable solution for edentulism, yet bone limitations often necessitate alternative approaches such as short implants. This systematic review evaluates and compares the clinical outcomes and success rates of short dental implants (≤8 mm) versus standard-length

implants and long-term stability. The findings suggest that, when appropriately indicated, short implants demonstrate comparable success and survival rates to their longer counterparts, particularly in atrophic ridges where bone augmentation may be avoided. However, variations in surgical techniques, prosthetic protocols and patient related factors can influence outcomes. Thus, short implants represent a viable, minimally invasive alternative, provided patient selection and clinical protocols are well-considered. Implants (8 mm) in various clinical scenarios. Data from multiple studies were analyzed to assess implant survival, marginal bone loss, prosthetic

IMPACT OF PROSTHETIC TREATMENT ON ORAL HEALTH RELATED QUALITY OF LIFE: A REFINED OHIP-14 APPROACH

Malla Reddy Institute of Dental Sciences
<https://doi.org/10.103/pbs.pbs.616.25>

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Abstract Introduction The use of patient-based outcome measures in oral health, like oral health-related

quality of life (OHRoL) has been into existence since 1980 and is increasing recently. This study was conducted to find out the patients' self-perception about their oral health condition before and after the prosthodontic treatment. Thus, the aim of this study was to evaluate the OHRoL in patients treated with complete dentures, removable partial treatment. Oral Health Related Quality of Life according to the Oral Health Impact Profile (OHIP-14) questionnaire was assessed for each group followed by intergroup comparison. Results The present study showed a statistically significant ($P \leq 0.05$) difference before and after the treatment in all the four groups. Also, on intergroup comparison, the implant showed more successful results, followed by fixed partial denture (FPD), removable partial denture (RPD), and complete denture (CD). Conclusion This study concluded that oral health-related quality of life after prosthodontic treatment showed satisfactory improvement in all the groups. On intergroup comparison, the implant showed more superiority, followed by

FPD, RPD, and CD. According to Hirschman and Atchison KA, OHIPoL. In the present day, everyone is working with a concept which portrays health as a part of everyday living, an essential dimension of the quality of everyone's life. It is important to know that quality of life (QoL) measures are not alternative of measuring outcomes associated with the health and disease but are adjunct to them. Oral health-related quality of life (OHRoL) is a relatively health capturing both the functional, social and psychological impacts of oral disease".

Groups		n	Pre	Post	Mean	Std. Deviation	P
Pain	CD	50	2.26	0.34	1.92	1.175	0.001*
	RPD	50	1.94	0.34	1.60	0.833	
	FPD	50	2.46	0.34	2.12	1.003	
	Implant	20	1.50	0.60	0.90	1.165	
Uncomfortable to eat food	CD	50	3.16	0.56	2.60	0.808	0.001*
	RPD	50	2.04	0.70	1.34	0.917	
	FPD	50	2.06	0.48	1.58	1.230	
	Implant	20	1.30	0.60	0.70	1.380	
Self Conscious	CD	50	2.52	0.52	2.00	1.262	0.007*
	RPD	50	2.90	0.88	2.02	1.020	
	FPD	50	1.78	0.48	1.30	1.093	
	Implant	20	2.20	0.70	1.50	1.670	
Problem with Diet	CD	50	2.86	0.16	2.70	0.678	0.198 (NS)
	RPD	50	1.32	0.06	1.26	1.026	
	FPD	50	1.30	0.14	1.16	0.934	
	Implant	20	0.75	0.30	0.45	0.887	
Difficulty to Relax	CD	50	0.36	0.06	0.30	0.707	0.001*
	RPD	50	0.40	0.10	0.30	0.647	
	FPD	50	0.80	0.34	0.46	0.952	
	Implant	20	0.35	0.35	0.00	0.973	
Feeling Embarrassed	CD	50	2.34	0.26	2.08	1.307	0.001*
	RPD	50	2.58	0.62	1.96	1.160	
	FPD	50	0.72	0.20	0.52	1.111	

*Statistically Significant, CD=Complete denture, RPD=Removable partial denture, FPD=Fixed partial denture

A STUDY COMPARING DIAGNOSTIC APPROACHES IN ORAL SURGERY AND ORAL MEDICINE FOR SOFT TISSUE DISORDERS

Malla Reddy Institute of Dental Sciences

Study Comparing Diagnostic Approaches in Oral Surgery and Oral Medicine for Soft Tissue Disorders

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STR Soft tissue disorders in the oral cavity are common conditions that require accurate diagnosis and effective management. Oral surgeons and oral medicine specialists employ different diagnostic approaches based on their respective areas of expertise. Oral surgeons often focus on surgical interventions, while oral medicine specialists emphasize medical management. This study aims to compare the diagnostic approaches used by oral surgeons and oral medicine specialists for soft tissue disorders and assess their diagnostic accuracy, time to diagnosis, and treatment outcomes.

Methods A comparative, cross-sectional study was conducted with a sample of 100 participants: 50 oral surgery patients and 50 oral medicine patients. Data were collected from clinical

examinations, histopathological biopsies, laboratory tests, and patient histories. Diagnostic accuracy, time to diagnosis, and treatment outcomes were evaluated and compared between the two groups. **Results** Oral surgeons demonstrated higher diagnostic accuracy (90%) and faster diagnosis (15 days) compared to oral medicine specialists (80% and 10.2 days). Oral surgeons were more likely to use radiographic imaging and histopathological biopsies, while oral medicine specialists utilized serological tests and blood cultures more frequently. **Treatment outcomes** showed that oral surgeons achieved a higher rate of complete symptom resolution (85%) compared to oral medicine specialists (75%). **Conclusion** Oral surgeons and oral medicine specialists offer complementary diagnostic approaches for soft tissue disorders. Oral surgeons are more efficient in diagnosing conditions that require surgical intervention, while oral medicine specialists excel in diagnosing and managing systemic conditions. Interdisciplinary collaboration between the two specialties is essential for optimal patient care.

EVALUATION OF BIOMEDICAL WASTE MANAGEMENT IN HOSPITALS A CROSS SECTIONAL REVIEW

Malla Reddy Technical Campus, Malla Reddy Vishwavidyapeeth (Deemed to be University)

<https://doi.org/10.1016/j.chemosphere.2022.136016>

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Abstract Nowadays, a proper administration of biological waste at healthcare facilities is critical to shielding public health and the ecosystem. This review evaluates the

current practices for managing biological contaminants in a selected group of organizations. The study investigates the extent to which medical professionals follow established and the level of awareness amongst medical personnel regarding proper waste management. The datasets of this proposed study were collected from various departments thru various structured questionnaires and unswerving annotations. The findings suggest significant variances in commitment to biological garbage disposal rules, with some facilities demonstrating praiseworthy procedures and others failing in this

regard. The important aspects of successful handling of waste were identified as worker education, accessibility of resources, and regulatory requirements. The poll underlines the importance of conducting frequent training sessions, improving facilities, and adopting comprehensive surveillance to ensure adherence. Healthcare facilities can reduce the risks associated with insufficient biomedical disposal facilities by resolving these inadequacies, creating a safer environment for healthcare personnel and citizens alike. This study highlights the need to implement comprehensive strategies.

for waste management to improve medical care and save the ecosystem

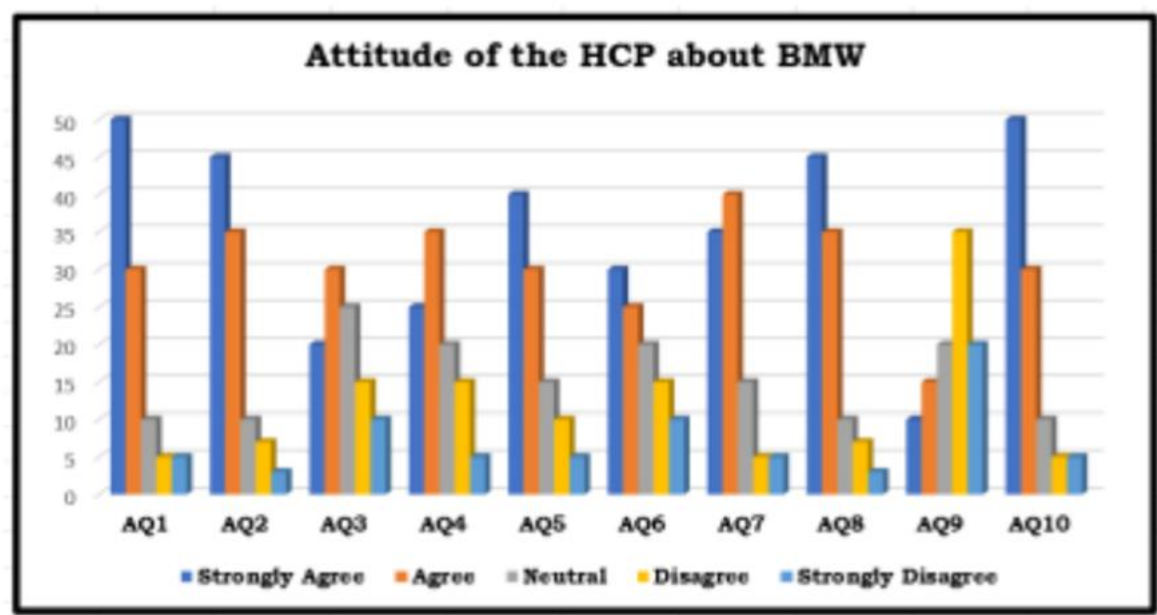


FIGURE 2. Attitude of HCP about BMW

TABLE 5. Attitude of healthcare professionals towards BMW

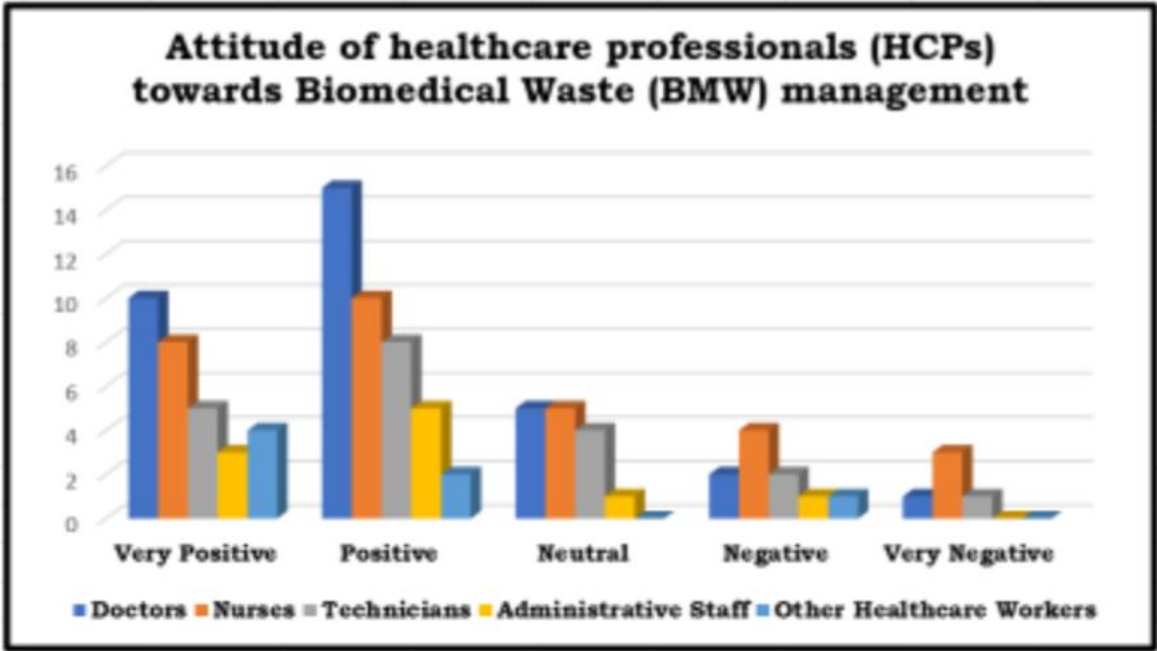


FIGURE 3. Attitude of healthcare professionals towards BMW

CLINICAL IMPACT OF INCLUDING THE SHOULDER JOINT IN CORONAL SHORT TI INVERSION RECOVERY SEQUENCE IN A ROUTINE CERVICAL SPINE MRI

Malla Reddy Institute of Medical Sciences

<https://doi.org/10.1016/j.radi.2025.103119>

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Introduction Clinical and pathological conditions of the cervical spine and shoulder often overlap due to

anatomical proximity and shared neural pathways, hindering accurate identification of the pain source in patients with concurrent neck and shoulder symptoms. This study evaluated whether including the shoulder joints in coronal Short TI Inversion Recovery (STIR) sequences during cervical spine MRI improves diagnostic outcomes. **Methods** This prospective observational study included 11 patients with non-traumatic neck and/or shoulder symptoms. Cervical spine MRI was performed using a phased-array spine coil with routine sagittal and axial T1- and T2-weighted sequences, supplemented by a coronal STIR sequence with expanded field of view (FOV) 300–400 mm, angulated inferolaterally to include both shoulders. STIR parameters included repetition time 2000 ms, echo time 11 ms, inversion time 10 ms, echo train length 12, bandwidth 14.2 Hz, slice thickness 4 mm, slice gap 4 mm,

frequency 128, phase 1/2, excitation number 1, and scan time 2.2 min. **Results** Shoulder abnormalities were detected in 2 patients (20%) with fluid in the rotator cuff region in 2/2 subcoracoid bursae in 0/0, glenohumeral joint in 0/2, and acromioclavicular joint in 0/0. One patient had fluid adjacent to the shoulder, associated with tubercular lymphadenitis. **Conclusion** Including shoulder joints in the coronal STIR sequence during cervical spine MRI can help identify pain sources more accurately, helping in accurate diagnosis and effective patient management. **Implications for practice** Incorporating shoulder joints in the coronal STIR sequence of cervical spine MRI enhances diagnostic efficiency for overlapping neck and shoulder symptoms. This may enable physicians to manage cases more effectively, save time, and potentially reduce the need for further imaging investigations in some cases.



52 M neck and shoulder pain for MR of the Cervical spine. a. Cervical spine MR, no significant disc herniations. b. Coronal STIR sequence in the same sitting shows a fluid signal around the right shoulder joint (arrow), suggestive of subacromial subdeltoid bursitis. c. A dedicated shoulder MR shows the changes with better resolution. There is a full-thickness rotator cuff tear with retraction (thick arrow).

BIO-MATERIAL COMPOSITES WITH ALGAL POLYSACCHARIDES FOR THE TREATMENT OF DIABETES FOOT ULCERS

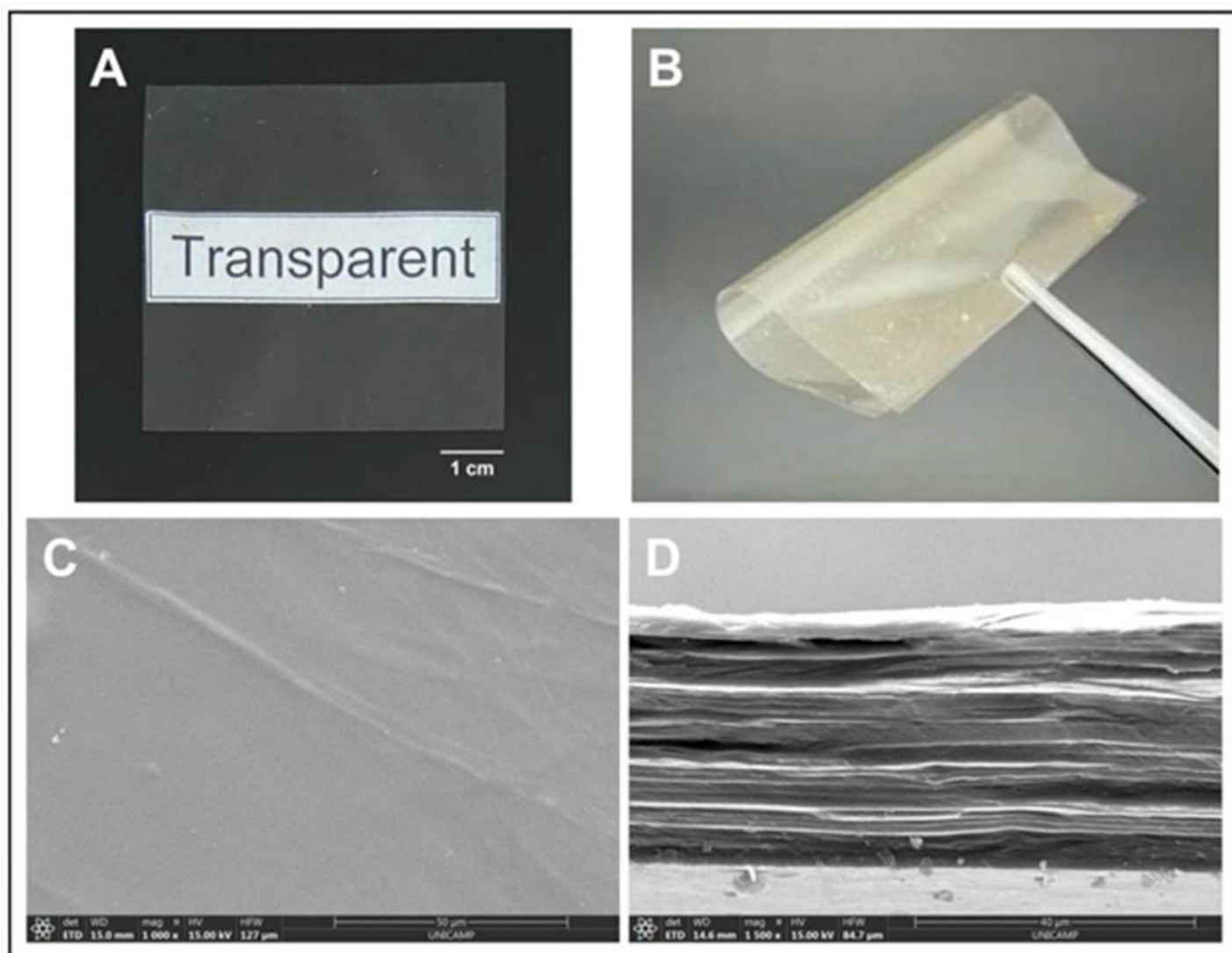
Malla Reddy Vishwavidyapeeth

DOI: <https://doi.org/10.1007/s12081-025-05051-5>

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Malla Reddy Institute of Dental Sciences, Malla Reddy Vishwavidyapeeth, Hyderabad, India. Corresponding author: Dr. Jayachandran Venkatesan. Abstract: Alginate is an anionic polysaccharide and is extensively used for drug delivery applications due to its biodegradable, biocompatible, and drug-loading capacity. Alginate can be modified into any form, such as hydrogel, scaffold, nanofibers, 3D printed scaffold, microspheres, etc. Due to the tuning properties of alginate, its application is extended to various applications, including diabetic

foot ulcer treatment. The current book chapter discusses alginate and its role in DM. Alginate with chitosan makes polyelectrolyte complexes, which help make rigid composite scaffolds. The chapter provides the overview of the studies where various molecules such as drugs, growth factors, proteins, peptides, metal ions, and exosomes were loaded into the composite and evaluated for DM. Further, the chapter discusses the alginate dressings in the ongoing clinical trials. With promising results seen in this field, alginate-based dressing materials have potential to treat DM.



IMPORTANCE OF RETINOIC ACID DERIVATIVES IN BREAST CANCER: A LITERATURE REVIEW

Malla Reddy Vishwavidyapeeth

Journal of Clinical and Diagnostic Research

DOI: 10.7600/CDR/2025/77523.21530

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Sangeetha Ravichandran

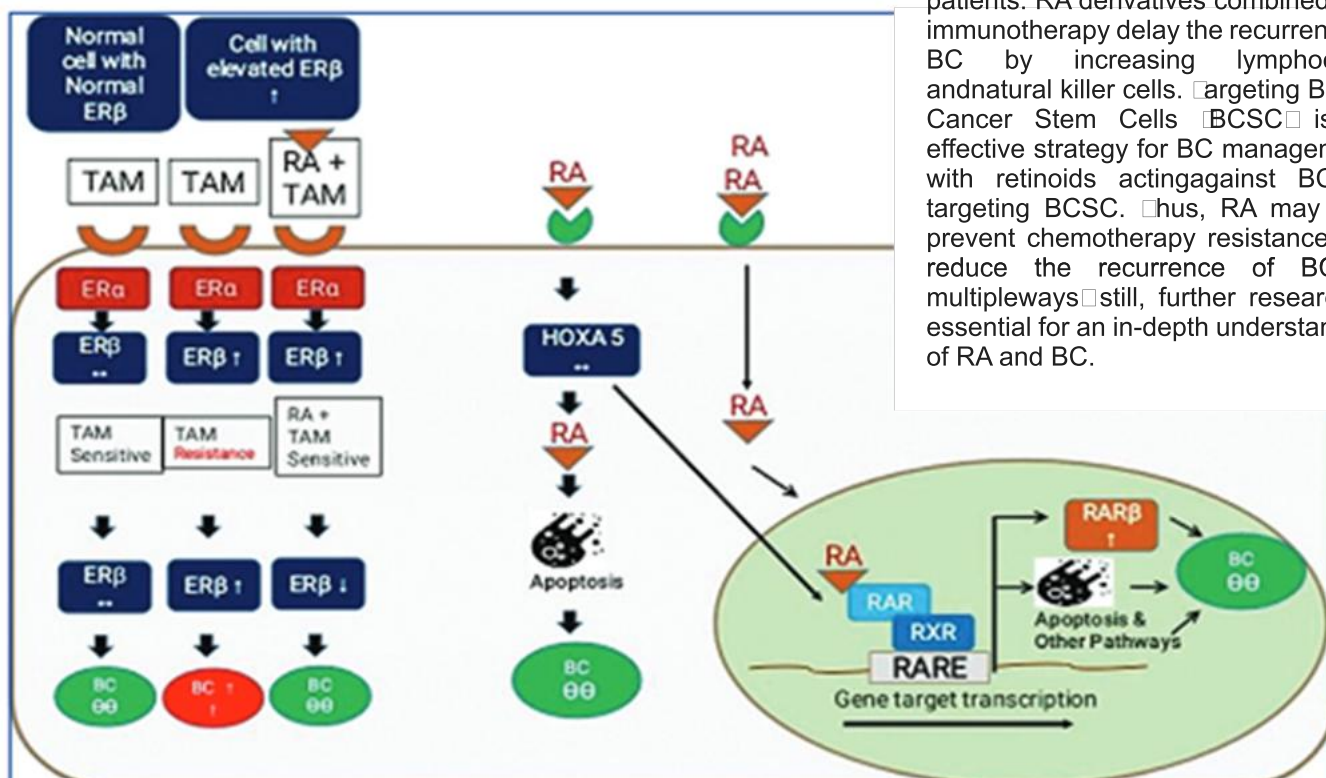
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and interferon, thereby sensitising BC cells and promoting the progression of cell death. Through cadherin-mediated junction formation, RA regulates

mammary gland homeostasis, causing BC cells to undergo lactogenic differentiation, which results in an epithelial phenotype. In the third phase of a mammary carcinoma prevention trial, retinoids reduce the incidence of second BC in older women by modulating the levels of Insulin-like Growth Factor (IGF) and Insulin-like. Sivakumar Jayaraghavalu Associate Professor, Department of Life Sciences, Manipal University, Imphal, Manipur, India. Suvarna Srinivasan Deputy Director, Department of Clinical Research, Malla Reddy Clinical Research Unit, Malla Reddy Vishwavidyapeeth Deemed to be University, Hyderabad, Telangana, India. Corresponding author: Dr. Suvarna Srinivasan. Abstract: Due to its specific accumulation in breast tissue and lower hazardous effects, Retinoic Acid (RA) has become increasingly popular in the treatment of Breast Cancer (BC). RA modulates the proliferative activity of BC cells and aids in the redifferentiation of cancer

cells into normal breast epithelial cells. The HOXA5 regulates RA homeobox A5 gene through Retinoic Acid Receptors (RAR) and Retinoid Receptors (RAR) α , β and γ and governs numerous cellular processes, including cellular metabolism and both primary and secondary programmed cell death. RA impairs oestrogen signalling in BC by activating lysine-specific histone demethylase 1 (LSD1) proteins. RA downregulates the survivin protein when combined with other drugs like tamoxifen, tamoxifen growth factor binding protein (GFP), which is its main binding protein, both of which have been connected to an increased risk of BC. Women taking tamoxifen with fenretinide experience a significantly lower rate of hot flashes compared to those taking tamoxifen alone. All-trans Retinoic Acid (ATRA) reduces the hypercoagulation markers when taken alongside tamoxifen; hence, this combination is recommended for preoperative BC patients. RA derivatives combined with immunotherapy delay the recurrence of BC by increasing lymphocytes and natural killer cells. Targeting Breast Cancer Stem Cells (BCSC) is an effective strategy for BC management, with retinoids acting against BC by targeting BCSC. Thus, RA may help prevent chemotherapy resistance and reduce the recurrence of BC in multiple ways. Still, further research is essential for an in-depth understanding of RA and BC.



[Table/Fig-3]: RA mechanism of action in Breast Cancer [17].

TAM: Tamoxifen; ERβ: Oestrogen receptor beta; RA: Retinoic acid; RAR: Retinoic acid receptor; RARE: Retinoic acid response element

ENHANCING IOT EFFICIENCY BY MINIMIZING LATENCY AND BOOSTING REAL TIME PROCESSING WITH EDGE COMPUTING

Malla Reddy Technical Campus, Malla Reddy Vishwavidyapeeth (Deemed to be University)
Deemed to be University, Hyderabad
DOI: <https://doi.org/10.1007/s12979-025-0192-1>

Contributions: Anand Singh Rawat – writing – original draft, Methodology. Raajeev Kumar Arora – writing – original draft, Methodology, Software, Validation, Visualization. Mohd. Muqeem – Conceptualization, Formal analysis, Investigation. Syed Mohd Ahsan – Conceptualization, Writing – review & editing, Methodology. Md Khalid – Conceptualization, Writing, Formal analysis, Investigation. Corresponding author: Correspondence to Mohd. Muqeem. Abstract: Edge computing has arisen as an essential paradigm in the Internet of things (IoT) ecosystem to overcome the limitations of those traditional cloud-centric systems. The role of edge computing helps in processing the data and making decisions in real-time making it super quick as the data is processed near the origin. In applications like smart healthcare, industrial automation, cars etc. where, immediate response is critical and thus we need this transformation to happen at a faster

pace. Sending data to centralized cloud servers for processing, as was the traditional approach, is difficult and unnecessary in IoT environments with large and high-frequency data volume generated by dispersed devices. Edge computing helps improve the efficiency and scalability of Internet of Things applications by decentralizing some processing resources taking advantage of that. This decentralized model elevates the security and privacy of data, as sensitive information can be processed at the edge instead of being sent across potentially insecure network paths, easing some of the load on cellular traffic networks. In addition to increasing the cognitive capabilities and response times of IoT applications, edge computing represents an additional benefit as it provides the means to incorporate advanced technologies like artificial intelligence and machine learning at the edge. As, edge computing enables real-time analytics, while also reducing latency, which greatly increases the speed and reliability of an IoT system. This method quickly converts raw data into actionable insights. In this article, to

computing design, how edge computing improvises real-time processing in IoT and how it is responsible for reducing latency. It also tackles numerous real-life use cases and the anticipated further developments of edge computing that will lead to the next surge of IoT innovation. metadata refinements. Method Inverse transform and Wiener-Hopf factorization Inverse Hough for Canny image feature extraction with Min-Max Normalization processing of clinical metadata. The R-DAN-CANCA system used a Great Wall Construction Algorithm to combine and analyze extracted features for performing accurate patient classification. This proposed methodology delivers outstanding results for all performance measurement criteria which include 95% accuracy along with 91% precision, 99% recall, 95% specificity and 92% F1-score. Clinical assessment of tumor volume alongside cancer stage established themselves as the key medical indicators used by surgeons for making treatment decisions. The surgical planning method shows remarkable promise to assist doctors in deciding appropriate nephrectomy treatments for patients dealing with kidney cancer.

TAXONOMY ALIGNED TOPIC MODELING IN MULTIMODAL SYSTEMS USING TACTM AND A TRANSFORMER BASED TOPIC MODELING APPROACH

Malla Reddy Technical Campus, Malla Reddy Vishwavidyapeeth (Deemed to be University)

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Abstract: Exponential growth of multimodal systems has seen a burgeoning of these strategies in the areas of fusion with many being defined in unstructured and domain-specific terms such that automated classification and semantic meaning extraction is extremely difficult. This research article presents TACTM – Taxonomy-Aligned Contextual Topic Modeling – a novel, modular architecture to attempt the explicit discovery of latent semantics of descriptions of fusion strategies and their alignment with canonical fusion taxonomies, such as early, late, hybrid, attention-based,

graph-based, and so on. TACTM uses domain-adaptive transformer embeddings, self-supervised semantic clustering (MAP, HDBSCAN), attention-based taxonomy alignment, and graph-based topic refinement to provide sharable topic models with high interpretability and good coherence and accurate category alignment. Large-scale inference experiments on synthetic multimodal corpora confirm that TACTM is superior to state-of-the-art methods in application to topics (DA, BROpic, Top2ec, and Graph-Enhanced Topic Models) in both topic coherence (Cv) (0.87) alignment precision (8.2 percent)

and cluster quality. This architecture provides a flexible and scalable system of intelligent study of technical literature and the possibility of extracting insights on great scale in heterogeneous modalities and fields of study.

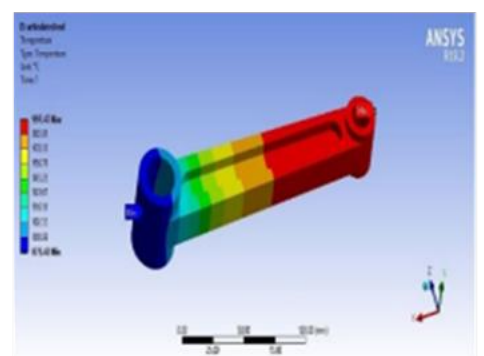
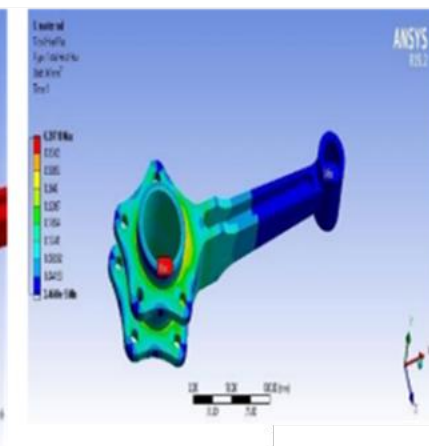
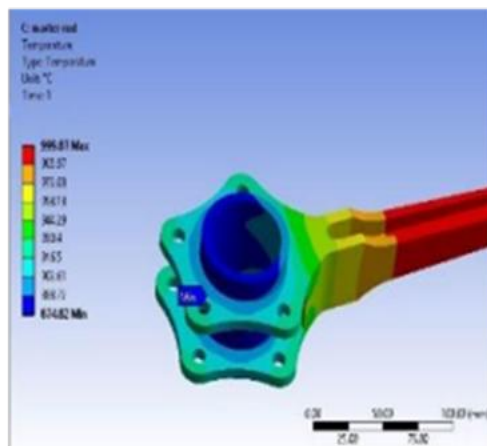
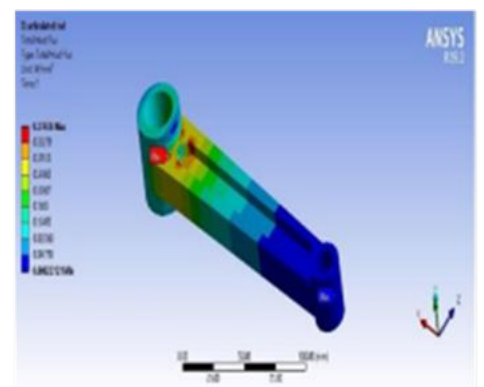
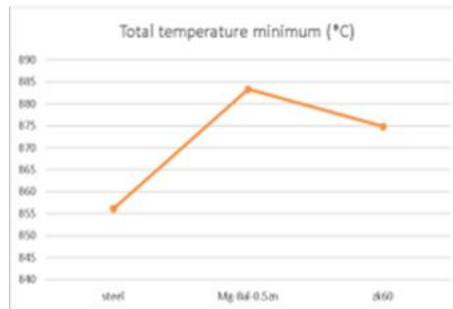
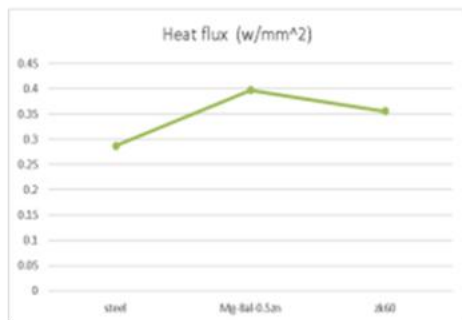
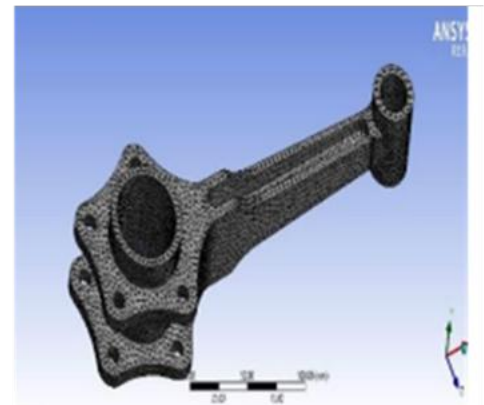
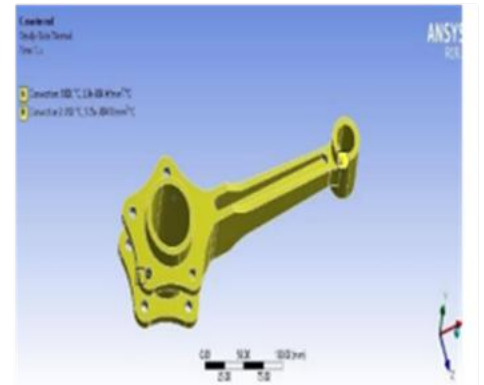
DESIGN AND THERMAL ANALYSIS OF RADIAL ENGINE PISTON IN DIFFERENT MATERIALS

Malla Reddy Technical Campus,
Malla Reddy Vishwavidyapeeth
(Deemed to be University)

<https://doi.org/10.1063/5.0297512>

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Abstract A reciprocating engine serves as a key power source in various mechanical systems, ranging from power generation to automotive applications. To enhance engine speed and power output, radial engines are employed. A radial 10-50-2 engine is a specific type of reciprocating internal combustion engine where five pistons are connected to a crankshaft through a system of connecting rods. These engines are commonly used in aircraft and marine vessels. The primary goal of this project is to design a radial engine within specified parameters and to conduct simulations to analyze stress, shear, tensile loads, and thermal behaviour using ANSYS software. Each major component undergoes individual analysis, a standard practice in manufacturing industries before assembly, to compare materials for the master rod and radial connecting rod.



ANTI-BACTERIAL EFFICACY OF N-ACETYL CYSTEINE COMBINED WITH TWO PHOTODYNAMIC THERAPY PROTOCOLS AGAINST ENTEROCOCCUS FAECALIS IN INFECTED ROOT CANALS: AN IN VITRO STUDY

Malla Reddy Institute of Dental Sciences

Nishi Singh, Suresh Shenvi¹, Aay Praveen, Anshuman Khaitan, Shiva Kumar B., Kapil Ramesh Adhav, Kavalipurapu Venkata Reddy, Gianrico Spagnuolo, Mariangela Cernera, Carlo Rengo. Corresponding authors Suresh Shervi, Department of Conservative Dentistry and Endodontics, KJ Somaiya Institute of Dental Sciences, KJ Somaiya Academy of Higher Education and Research, Deemed-to-be-University, Belagavi, Karnataka, India.

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University Missouri School of Dentistry and Oral Health, 1500 Park Avenue, D. Louis, MO 63103 Department of Conservative Dentistry and Endodontics, Malla Rudity Institute of Dental Sciences, Malla Reddy Idyapeeth, Hyderabad, Telangana, India. Department of Neuroscience, Reproductive Sciences and Dentistry, University of Naples Federico I, 80128 Naples, Italy. Global Research Cell, D. . Patil Dental College Hospital, D. . Patil Idyapeeth, Pimpri Pune 411018 India Aim Enterococcus faecalis

faecalis is a resilient endodontic pathogen associated with persistent root canal infections. The objective of this investigation was to assess and compare antibacterial efficacy of N-acetyl cysteine (NAC) alone and in combination with two photodynamic therapy (PD) protocols utilizing methylene blue (MB) and indocyanine green (ICG) as photosensitizers. Methodology Seventy-eight extracted human mandibular premolars were instrumented, sterilized, and inoculated with E. faecalis (MCC 492). After 14 days of incubation, samples were randomly divided into 4 groups in 20 each: Group 1 - NAC alone; Group 2 -

NAC + PD with ICG 1mg/ml + 810 nm diode laser; Group 3 - NAC + PD with 20mg/ml + 690 nm diode laser. Bacterial samples were collected and after disinfection using sterile paper points, and quantified via colony-forming unit (CFU) analysis on Brain Heart Infusion (BHI) agar. Data were log 10 transformed and analyzed using paired t-tests and one-way ANOVA with Tukey's post hoc test (P < 0.05). Results demonstrated significant CFU reduction post-treatment (P < 0.0001). Mean CFU reductions were: Group 1 - 0.8 ± 0.2; Group 2 - 1.52 ± 0.5; and Group 3 - 1.15 ± 0.0. Group III showed significantly greater reductions than Group I (P < 0.0001 and P < 0.0001 respectively). No significant difference was observed between Group II and Group III (P < 0.55). Combined with either MB or ICG-mediated PD, significantly improved disinfection of E. faecalis-infected root canals compared to NAC alone. This combination offers a promising adjunctive approach for managing persistent endodontic infections.

IMMEDIATE IMPLANT AND PROVISIONALIZATION

Mallareddy Institute of Dental Sciences

Dr. Aishwarya Arya G, Reader in Department of Periodontology and Implantology at Mallareddy institute of Dental Sciences, attended a Scientific discourse on Dental Implants at Panineya institute of dental sciences on 28th April, 2025 and got certified by Dr MD ketabi Phd in Periodontology an Implantology.



THE MENTORSHIP TASK SESSION

The mentorship task session was highly informative and well structured, focusing on the importance of mentorship in guiding individuals toward their career goals. The program gave a clear overview of how mentorship works, its benefits, and how mentees can gain valuable support and direction from experienced mentors.

One of the key highlights of the session was the step-by-step explanation of how to enter into mentorship, including

the process of enrolling through the application and joining as a mentee. The guidance provided was simple and easy to follow, making the enrollment process accessible for everyone. The session also emphasized how mentorship bridges the gap between learning and practical application, encouraging mentees to set clear career objectives and work toward them with the help of mentors. Real-life examples and interactive discussions

made the session more engaging and helped participants understand the long-term value of such programs. Overall, the mentorship task session was short yet impactful. It not only explained the procedure for enrollment but also motivated mentees to actively participate and make the most of mentorship opportunities. The session successfully conveyed that with the right guidance, mentees can gain clarity, confidence, and direction in their career journey.





MALLA REDDY INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by Pharmacy Council of India - New Delhi)
A Constituent Unit of **Malla Reddy Vishwavidyapeeth**, Deemed to be University



MENTOR TOGETHER



Trainer
Ms. A. SWATHI

Coordinator
Mrs. B. REVATHI
Assoc. Prof,
TASK Incharge, MRIPS

Date & Venue
18th AUGUST 2025, MRIPS AUDITORIUM

Convenor
Dr. H. RAMANA
DEAN & PRINCIPAL

BEYOND THE MEDAL: A JOURNEY OF GROWTH AT MRIPS

Malla Reddy Institute of Pharmaceutical Sciences

Dr. Rajeswari Madishetty.~

Honored to receive a medal as the first ranker across all 6 years of Pharm D at MRIPS—but the true achievement lies in the journey behind it. The proudest moment was not just receiving my medal, but seeing the pride in my parents' eyes as they shared the stage with me. I joined Pharm D honestly because I couldn't afford an MBBS seat with my rank, but even before applying, I had researched what Pharm D was all about. Going through the syllabus, I felt it aligned with my interests—and from the second year onwards, ward rounds truly excited me. My mom has always believed that knowledge is more valuable than just a degree, and that whatever we learn will never go to waste but will help us at different stages of life. With that thought, and of course the "Dr." title, I began this journey.

My 6 years at MRIPS were filled with memories—smiles, setbacks, failures, friendships, and experiences that transformed me. I met people of all kinds, each leaving an impression and teaching me something new. Right from my first year, I realized that to bring out the best version of oneself, one needs to overcome inner inertia. For me, this place became the stage to step out, explore, and say "yes" to opportunities

and responsibilities. Whether it was academics, serving as class representative, or taking up challenges, I found joy in learning by doing. At times it was overwhelming, but it also taught me the importance of choosing wisely and focusing on what I could truly handle. Looking back today, I can say I leave college with no regrets. These 6 years have transformed me, shaped my perception in the best way, and made me a better person. Especially in my 5th year, I realized the true beauty of this course—it gave me fulfillment, contentment, and a sense of purpose. Consistency was my strength—I never wasted weekends, took every subject seriously, and gave my 100% throughout. I never had a fixed career plan, but focusing on doing Pharm D the right way brought me to where I stand today, with a fulfilling role and immense gratitude. It might not be everyone's story, but I hope it gives some of you the belief that pursuing Pharm D with sincerity can open unexpected doors. I am especially grateful for the stage at MRIPS—it helped me step out of my inertia, take up anchoring, improve my communication, and grow into a leader. Those moments on stage not only pushed me forward but also shaped me into the person I am today. And

nothing feels greater than seeing that journey bring the light of pride in my parents' eyes. This journey has been more than just a transition from Rajeswari Madishetty to Dr. Rajeswari Madishetty. It was a process that gave me experiences, growth, and fulfillment. The medal is a reward, but the real treasure is the journey itself. I take this moment to sincerely thank all my faculty, mentors, seniors, doctors, and everyone who were a part of this journey. Thank you Hechhu Ramana sir and all the supporting faculty of MRIPS for the celebrating our graduation day in the way we cherish it for rest of my life. I may not be able to mention each faculty but everyone who taught me since first year and ones who taught me real life lessons, every word of guidance, every opportunity, and every bit of support helped me reach this point. My success is not mine alone—it carries a part of all of you.



ICH-GCP WORKSHOP: ENSURING EXCELLENCE IN CLINICAL RESEARCH

Malla Reddy Institute of Dental Sciences

DATE: 31st October, 2025

Time: 9am to 3pm

Venue: Lecture hall 1, 2nd floor, MRIDS Organizing Unit/Department:

Institutional Ethics Committee, MRIDS Name and Designation of Chief

Speakers: Mr. CS Mujeebuddin, Founder and CEO Clinisol Research;

Uma Priya, Director, Clinisol Research;

Dr. R Rajesh, Senior GCP Professional

Brief Report of the program:

Program Title: ICH-GCP WORKSHOP: ENSURING EXCELLENCE IN CLINICAL RESEARCH: This intensive ICH-GCP

Program aimed to provide a clear understanding of the International Conference on Harmonisation- Good Clinical Practice Guidelines, which form the foundation of ethical and scientifically sound clinical research. The program focused on enhancing awareness and compliance with international ethical and quality standards in research involving human participants. Participants gained insights into ethical considerations, protocol adherence, documentation standards, and the responsibilities of investigators and sponsors. Through real-world examples and interactive discussions, the program bridged

theoretical knowledge with practical applications in clinical trial conduct and management. The event concluded with a vote of thanks and honoring the guest speakers with a memento.

Outcome of the program:

1. Ethical Competence
2. Investigator & Sponsor responsibilities
3. Protocol and Study Design Understanding
4. Informed Consent Expertise
5. Data Integrity and Documentation Skills
6. Safety Reporting Proficiency
7. Quality Assurance and Risk Management
8. Clinical Trial Operations Insight



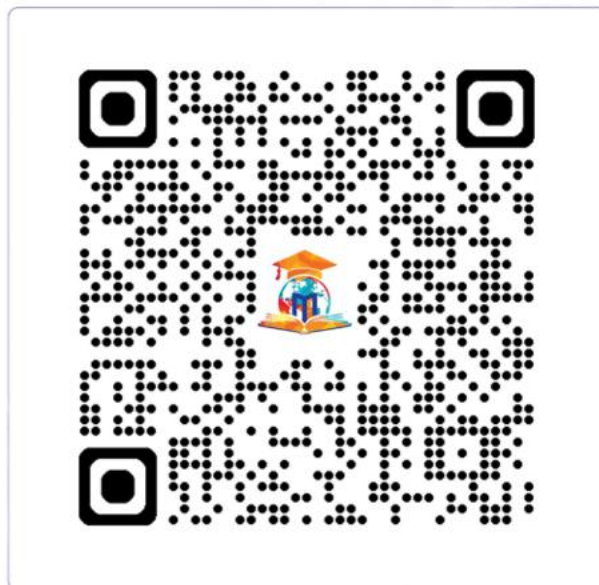
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Regards
Team Sharenews