

FELLOWSHIP IN SPECIAL CARE DENTISTRY

About the University

Malla Reddy Vishwavidyapeeth is a reputed educational institution located in Hyderabad, Telangana, India. Recognized as a “Deemed to be University under Distinct (Existing) Category,” the university offers multidisciplinary programs in medical, dental, nursing, pharmaceutical sciences, engineering, and allied health sciences. The university emphasizes academic excellence, research, innovation, clinical proficiency, and global academic collaborations, contributing significantly to advanced healthcare education and training.

PROGRAM OVERVIEW

The Fellowship in Special Care Dentistry at Malla Reddy Vishwavidyapeeth is a comprehensive academic and clinical training program designed to strengthen competencies in:

- Diagnosis and management of dental conditions in children and patients with special healthcare needs
- Behavioral guidance techniques and patient management
- Caregiver counseling and education
- Pedodontic preventive and minor restorative procedures
- Minor oral surgical procedures and trauma management
- Emergency dental care and sedation techniques
- Interdisciplinary coordination with pediatricians, physiotherapists, and allied healthcare professionals

The program integrates structured theoretical learning with supervised preclinical and clinical exposure. It follows a hybrid model, combining on-campus skill development with online academic sessions. Emphasis is placed on **patient-centered care, ethical practice, behavioral management, caregiver engagement, and interdisciplinary coordination.**

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Deliver safe, effective, and patient-centered dental care for children and patients with special healthcare needs.
2. Apply behavioral guidance techniques and counseling strategies for caregivers to enhance treatment compliance.
3. Demonstrate professional, ethical, and legal responsibility in managing patients with special needs.
4. Utilize digital tools, radiographic technologies, and evidence-based guidelines in special care dentistry.

PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage pediatric and special needs patients, minor surgical procedures, trauma care, and preventive interventions.
2. **Treatment Planning Competence:** Formulate accurate treatment plans for special needs patients including trauma, behavioral challenges, and preventive care.
3. **Evidence-Based Practice:** Apply research evidence, clinical guidelines, and ethical principles in patient management.
4. **Digital & Technological Proficiency:** Use digital radiography, digital records, and treatment planning software.
5. **Problem Solving & Critical Thinking:** Manage dental emergencies, behavioral challenges, and trauma complications.
6. **Communication & Professional Skills:** Communicate effectively with patients, caregivers, pediatricians, and interdisciplinary teams.
7. **Practice Management Competence:** Demonstrate documentation skills, infection control, chairside efficiency, and ethical practice.
8. **Lifelong Learning & Research Aptitude:** Engage in continuous learning, reflective practice, and clinical research in special care dentistry.

COURSE OUTCOMES (COS)

- **CO1:** Diagnose and manage dental conditions in children and patients with special healthcare needs.
- **CO2:** Apply behavioral management techniques and caregiver counseling effectively.
- **CO3:** Perform minor oral surgical procedures, trauma management, and preventive pedodontics.
- **CO4:** Integrate interdisciplinary approaches, including nutrition, physiotherapy, and pediatric care, for patient management.
- **CO5:** Present, document, and evaluate special care dentistry cases comprehensively.

(Deemed to be University)

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Deliver preventive, trauma-focused, and minor surgical care for pediatric and special needs patients.
2. Demonstrate competency in behavioral guidance, caregiver counseling, pedodontics, minor surgery, and trauma management.
3. Apply radiographic interpretation, digital tools, and evidence-based guidelines for special care dentistry.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
- **Program Duration:** One-Year Modular Fellowship

- **Mode of Delivery:** Hybrid (On-Campus + Online Learning)

ELIGIBILITY CRITERIA

- **Academic Qualification:** B.D.S. or equivalent from a recognized institution
- **Professional Registration:** Valid registration with Dental Council of India (DCI) or equivalent authority

KEY FEATURES

- Curriculum focusing on pediatric and special needs patient management, trauma, minor oral surgery, behavioral guidance, and caregiver counseling
- Competency-based preclinical and clinical training
- Live patient exposure under expert supervision
- Digital dentistry and radiology integration
- Emphasis on trauma diagnosis, emergency care, minor surgery, behavioral techniques, and caregiver engagement
- Access to expert faculty and interdisciplinary mentors
- Use of advanced simulation and preclinical labs
- Research and documentation guidance
- Strong academic and clinical networking

LEARNING OUTCOMES

Knowledge & Understanding

- Comprehensive understanding of pediatric dentistry, special care dentistry principles, trauma management, preventive care, minor oral surgery, behavioral guidance, and caregiver counseling.
- Knowledge of oral pathology, radiology, nutrition, physiotherapy, and pediatric medicine.

Cognitive Skills

- Evidence-based decision-making in pediatric and special care dental practice.
- Case analysis, ethical reasoning, and interdisciplinary care planning.

Practical & Professional Skills

- Proficiency in pedodontics, minor oral surgery, trauma management, behavioral guidance, and caregiver counseling.
- Hands-on clinical exposure with pediatric and special needs patient cases.

Transferable Skills

- Effective communication with patients, caregivers, and interdisciplinary teams.
- Documentation, record-keeping, and academic writing.

Subject-Specific Skills

- Integrated skills across pedodontics, minor surgery, trauma care, behavioral guidance, caregiver counseling, physiotherapy, and preventive dentistry.
- Basic digital dentistry workflows.

PROGRAM STRUCTURE – 6 MODULES

Module	Focus Area
Module 1	Fundamentals of Special Care Dentistry, Pediatric Physiology & Behavioral Science
Module 2	Trauma Prevention, Protective Appliances, and Oral Hygiene Education
Module 3	Emergency Trauma Assessment, Orofacial Injury Management & Sedation Protocols
Module 4	Pedodontics, Preventive Dentistry, and Behavioral Guidance Techniques
Module 5	Caregiver Counseling, Nutrition, Psychological & Communication Aspects
Module 6	Minor Oral Surgery, Soft Tissue Repair, Physiotherapy Coordination & Comprehensive Case Management

CURRICULUM MODULES – THEORY

Module Name	Key Topics Covered	Learning Outcomes
Module 1	Principles of special care dentistry, pediatric physiology, behavioral science, oral diagnosis, radiology, infection control	Diagnose and plan care for special needs patients
Module 2	Trauma prevention, protective appliances, oral hygiene, preventive strategies	Prevent trauma and manage preventive care

Module Name	Key Topics Covered	Learning Outcomes
Module 3	Trauma assessment, dental avulsion, fractures, soft tissue injuries, sedation, emergency protocols	Manage acute injuries and emergency situations
Module 4	Pedodontics, preventive care, fluoride therapy, sealants, behavior guidance	Deliver age-appropriate dental care with behavioral management
Module 5	Caregiver counseling, nutrition, psychological assessment, communication strategies	Engage caregivers and support patient compliance
Module 6	Minor oral surgery, extractions, suturing, soft tissue repair, physiotherapy coordination, case documentation	Manage minor surgery, trauma, and rehabilitation comprehensively

PRACTICAL COURSEWORK (ELABORATED)

1. Preclinical Training (Simulation & Skill Labs)

- Phantom head exercises for trauma management and minor surgery
- Suturing and incision techniques on models
- Mouthguard fabrication for pediatric trauma
- Digital impressions and CAD-CAM simulations for rehabilitation
- Infection control and sedation protocols

2. Supervised Clinical Procedures

- Trauma-focused pedodontics and minor surgical procedures
- Behavioral guidance techniques during clinical procedures
- Caregiver counseling and communication exercises
- Physiotherapy integration for oral-facial rehabilitation
- Emergency management and sedation under supervision

3. Clinical Observation & Rotations

- Shadowing senior faculty in pediatric and special care procedures
- Observing trauma, surgical, and behavioral management cases

4. Case Execution & Documentation

- Handling live pediatric and special care cases under expert supervision

- Maintaining detailed case records, photographic documentation, and digital radiographs
- Preparation of treatment plans, follow-ups, and reflective writing

5. **Research & Academic Skills**

- Participation in journal clubs, seminars, and PBL sessions on special care dentistry
- Literature review on behavioral management, trauma, and caregiver engagement
- Clinical audits and quality improvement exercises

6. **Comprehensive Case Management & Portfolio**

- Compilation of 8–10 case logs including pedodontics, trauma, minor surgery, behavioral interventions, and caregiver counseling
- Case presentation before faculty panel
- Evaluation of treatment outcomes, ethical practice, and interdisciplinary coordination

ASSIGNMENTS

- Literature review on pediatric and special care dentistry
- Case-based trauma and behavioral treatment planning
- Radiograph analysis for trauma and developmental conditions
- Clinical case documentation and reflective writing
- Minor oral surgery and behavioral intervention procedure logs

DEPARTMENTAL RESPONSIBILITIES

- **Pedodontics:** Pediatric preventive care, behavior guidance, trauma management
- **Oral & Maxillofacial Surgery:** Minor oral surgical procedures including extractions, suturing, incision & drainage, soft tissue repair
- **Physiotherapy / Rehabilitation:** Coordination for rehabilitation of oral-facial injuries
- **Caregiver Counseling & Psychology:** Counseling sessions, education, and communication for caregivers

ASSESSMENT & CERTIFICATION

- Direct Observation of Procedural Skills (DOPS)
 - OSCE (Objective Structured Clinical Examination)
 - Clinical logbook and portfolio evaluation
 - Case submission (as per quota)
 - Viva voce and case presentation
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Annexure I: PEO–PO Mapping

PEO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
PEO1	✓	✓		✓	✓	✓	✓	
PEO2	✓	✓	✓	✓	✓		✓	
PEO3		✓	✓		✓	✓	✓	
PEO4		✓	✓	✓			✓	✓

Annexure II: PO–PSO Mapping

PO / PSO	PSO1	PSO2	PSO3
PO1	✓	✓	
PO2	✓		✓
PO3		✓	✓
PO4	✓		✓
PO5	✓	✓	✓
PO6	✓	✓	
PO7	✓	✓	
PO8		✓	✓

CO–PO–PSO Mapping Matrix

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	✓	✓	✓		✓				✓	✓	✓
CO2	✓	✓		✓	✓		✓		✓	✓	
CO3		✓	✓	✓		✓	✓	✓	✓		✓
CO4	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓		

