

FELLOWSHIP IN OROFACIAL PAIN

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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 Orofacial Pain** is a comprehensive, clinically enriched academic program designed to train dentists in the diagnosis, evaluation, and management of acute and chronic orofacial pain conditions. The fellowship emphasizes:

- Orofacial pain diagnosis
- Temporomandibular disorders (TMD)
- Neuropathic pain
- Headache disorders
- Musculoskeletal pain
- Behavioral factors influencing pain
- Imaging & digital assessment
- Interdisciplinary collaborative care

The program integrates theoretical instruction, hands-on preclinical skill training, supervised clinical exposure, and interdisciplinary case management with Physiotherapy, Oral Surgery, Prosthodontics, and Psychology departments.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

PEO1: Diagnose and manage common orofacial pain disorders using evidence-based clinical approaches.

PEO2: Integrate interdisciplinary knowledge from oral medicine, surgery, physiotherapy, prosthodontics, and behavioral sciences.

PEO3: Demonstrate professionalism, ethical standards, and patient-centered care in chronic pain management.

PEO4: Utilize digital tools, radiographic interpretation, and advanced diagnostic aids for orofacial pain evaluation.

PROGRAM OUTCOMES (POS)

PO1: Apply foundational knowledge to diagnose orofacial pain conditions.

PO2: Formulate effective, evidence-based pain management plans.

PO3: Perform essential clinical procedures used in orofacial pain therapy.

PO4: Utilize digital radiology, CBCT, and diagnostic technology.

PO5: Demonstrate critical reasoning and differential diagnosis skills.

PO6: Communicate effectively with patients and interdisciplinary teams.

PO7: Follow ethical, medicolegal, and documentation standards.

PO8: Engage in lifelong learning and research development.

COURSE OUTCOMES (COS)

CO1: Identify and classify orofacial pain disorders using standardized diagnostic criteria.

CO2: Perform clinical examinations, joint assessments, cranial nerve testing, and basic therapeutic interventions.

CO3: Interpret radiographs and digital imaging (OPG, CBCT) for pain diagnosis.

CO4: Integrate multidisciplinary approaches in TMD, neuropathic pain, and musculoskeletal disorders.

CO5: Present, document, and manage chronic pain cases with follow-up.

PROGRAM-SPECIFIC OUTCOMES (PSOS)

PSO1: Diagnose and manage TMD, myofascial pain, neuropathic pain, and headaches.

PSO2: Perform evidence-based non-invasive therapies and coordinate interdisciplinary referrals.

PSO3: Apply imaging, digital tools, psychological screening, and physiotherapy protocols in clinical decision-making.

PROGRAM DETAILS

- **Certificate Awarded by:** Malla Reddy Vishwavidyapeeth
 - **Program Duration:** One-Year Modular Fellowship
 - **Mode of Delivery:** Hybrid (On-Campus + Online Academic Learning)
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ELIGIBILITY CRITERIA

- **Academic Qualification:** B.D.S. or equivalent from a recognized institution
- **Professional Registration:** Valid DCI or equivalent registration

KEY FEATURES

- Standardized orofacial pain curriculum rooted in international guidelines (AAOP / DC-TMD)
- Interdisciplinary collaborative model with Physiotherapy & Behavioral Sciences
- TMD & craniofacial pain assessment workshops
- Digital imaging, CBCT interpretation & diagnostic technology
- Exposure to neuropathic pain, migraine, headache, and musculoskeletal disorders
- Behavioral counseling, stress management, and cognitive approaches
- Patient-centered communication & chronic pain ethics
- Research and case documentation training

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Classification of orofacial pain disorders (DC-TMD, ICOP)
- Pathophysiology of musculoskeletal, neuropathic, and referred pain
- Interpretation of radiographs and CBCT
- Pharmacological and non-pharmacological management

COGNITIVE SKILLS

- Differential diagnosis
- Evidence-based pain management planning
- Psychological screening and referral decision-making

PRACTICAL & PROFESSIONAL SKILLS

- TMD examination, muscle palpation, joint evaluation
- Trigger point identification
- Occlusal assessments & appliance therapy
- Basic physiotherapeutic protocols under guidance
- Behavioral counseling basics for chronic pain

TRANSFERABLE SKILLS

- Patient communication & counseling
- Ethical pain management documentation
- Academic writing & case reporting

SUBJECT-SPECIFIC SKILLS

- TMD, neuropathic pain, headache evaluation
 - Orofacial pain imaging interpretation
 - Interdisciplinary treatment integration
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PROGRAM STRUCTURE – 6 MODULES

Module	Focus Area
Module 1	Foundations of Orofacial Pain & DC-TMD Guidelines
Module 2	TMD Disorders: Joint & Muscle Pain
Module 3	Neuropathic Orofacial Pain & Headache Disorders
Module 4	Diagnostic Imaging & Digital Technologies
Module 5	Behavioral Sciences, Psychology & Physiotherapy Integration
Module 6	Comprehensive Case Management & Interdisciplinary Care

CURRICULUM MODULES – THEORY

Module	Key Topics Covered	Learning Outcomes
Module 1	DC-TMD, ICOP, pain pathways, cranial nerve examination	Diagnose and classify pain
Module 2	Joint disorders, muscle pain, splints, occlusion	Perform TMD examinations & appliance therapy
Module 3	Neuralgias, burning mouth, post-traumatic neuropathy, headaches	Diagnose and manage neuropathic pain
Module 4	CBCT, TMJ imaging, ultrasound, digital workflows	Use imaging in pain diagnosis
Module 5	Behavioral modification, counseling, physiotherapy, stress management	Integrate psychological & physical therapy

Module	Key Topics Covered	Learning Outcomes
Module 6	Interdisciplinary case planning & documentation	Deliver comprehensive care

ELABORATED PRACTICAL COURSEWORK

1. PRECLINICAL TRAINING

- TMJ & muscle examination on models
- Digital imaging interpretation
- Occlusal appliance mock fabrication
- Physiotherapy-based evaluation (ROM, muscle testing)
- Basic counseling and communication training

2. SUPERVISED CLINICAL PROCEDURES

- TMD examination: muscle palpation, joint loading, functional evaluations
- Trigger point identification and management
- Splint therapy (stabilization splints)
- Behavioral pain interviews
- Physiotherapy-integrated sessions (ROM, manual therapy)
- Management of headaches related to orofacial disorders

3. CLINICAL OBSERVATION

- TMD surgeries (observer)
- Chronic pain clinics with Oral Medicine
- Interdisciplinary sessions with Physiotherapy and Psychology
- Neuropathic pain, migraine & neuralgia evaluations

4. CASE EXECUTION & DOCUMENTATION

- Minimum 8–10 cases
- Digital pain diaries
- CBCT/TMJ imaging reports
- Follow-up assessments

5. RESEARCH & ACADEMIC WORK

- Journal clubs
- Critical appraisal of pain literature
- Case reports
- Reflective pain management logs

6. COMPREHENSIVE CASE PORTFOLIO

- Pain diagnosis
 - Treatment plan
 - Interdisciplinary notes
 - Final panel presentation
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ASSIGNMENTS

- Pain classification assignment
 - Differential diagnosis exercises
 - Imaging interpretation
 - Counseling & behavioral observation
 - Case documentation & follow-up
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DEPARTMENT RESPONSIBILITIES

ORAL MEDICINE & RADIOLOGY

Diagnosis, imaging, neuropathic pain, TMJ interpretation

ORAL & MAXILLOFACIAL SURGERY

TMD surgical evaluation (observation), trauma-related pain

PROSTHODONTICS (TMD & OCCLUSION)

Occlusion, splints, appliance therapy

PHYSIOTHERAPY

ROM assessment, manual therapy, exercise protocols

PSYCHOLOGY / BEHAVIORAL SCIENCES

Pain behavior, counseling basics, stress & anxiety management

ASSESSMENT & CERTIFICATION

- Direct Observation of Procedural Skills (DOPS)
- OSCE

- Clinical logbook & portfolio
- Case submissions
- Viva voce & panel presentation

NAAC / UGC ANNEXURES

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	(Deemed to be University) ✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓		



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