

FELLOWSHIP IN JOINT REPLACEMENT SURGERY

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 across medical, dental, nursing, pharmaceutical sciences, and allied health sciences. The institution emphasizes academic excellence, clinical expertise, innovation, and global collaboration in advancing healthcare education.

PROGRAM OVERVIEW

The Fellowship in Joint Replacement Surgery is a one-year advanced program designed to train healthcare professionals in joint replacement procedures.

The program focuses on:

- Hip, knee, and shoulder arthroplasty
- Preoperative planning and patient selection
- Implant selection and fixation techniques
- Intraoperative navigation and robotic-assisted surgery
- Postoperative care and rehabilitation
- Management of complications

The program integrates clinical training, hands-on surgical exposure, and research to ensure comprehensive expertise in joint replacement surgery.

Department-of-Orthopedics_compr...

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PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Develop expertise in joint replacement surgical techniques.
 2. Gain proficiency in preoperative planning and patient selection.
 3. Apply advanced implant and fixation techniques.
 4. Manage postoperative care and complications effectively.
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PROGRAM OUTCOMES (POS)

1. Surgical Expertise: Perform joint replacement procedures.

2. **Planning Skills:** Interpret imaging for surgical planning.
 3. **Intraoperative Skills:** Utilize navigation and robotic techniques.
 4. **Implant Selection:** Optimize prosthesis selection.
 5. **Complication Management:** Manage perioperative complications.
 6. **Research Orientation:** Apply evidence-based surgical practices.
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COURSE OUTCOMES (COS)

- CO1: Perform joint replacement procedures.
 - CO2: Apply surgical planning techniques.
 - CO3: Understand implant selection and biomechanics.
 - CO4: Manage complications and rehabilitation.
 - CO5: Conduct research and case-based learning.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in joint replacement surgery.
 2. Apply advanced surgical and technological techniques.
 3. Integrate clinical evaluation with surgical decision-making.
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PROGRAM DETAILS

- Certificate Awarded by: Malla Reddy Vishwavidyapeeth
 - Program Duration: One-Year Fellowship
 - Mode of Delivery: Clinical Training + Hands-on Surgical Exposure + Theoretical Learning
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ELIGIBILITY CRITERIA

- Academic Qualification: MS/DNB Orthopaedics or equivalent
 - Professional Requirement: As per institutional norms
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KEY FEATURES

- Advanced training in joint replacement surgery
- Hands-on exposure to arthroplasty procedures
- Training in robotic and navigation techniques
- Focus on precision and patient outcomes
- Evidence-based orthopaedic practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of joint replacement procedures

COGNITIVE SKILLS

- Clinical decision-making in orthopaedic surgery

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in arthroplasty techniques
- Hands-on experience in OT and wards

TRANSFERABLE SKILLS

- Patient counseling and perioperative care

SUBJECT-SPECIFIC SKILLS

- Advanced joint replacement surgical techniques

CURRICULUM MODULES – THEORY

- Principles of Joint Replacement
- Surgical Approaches & Techniques
- Implant Selection & Fixation
- Intraoperative Navigation
- Perioperative Management
- Revision Joint Replacement
- Rehabilitation & Physiotherapy
- Complication Management
- Advances in Arthroplasty

PRACTICAL COURSEWORK

- Joint replacement procedures
- Surgical planning and imaging
- Implant selection techniques
- Postoperative care

- Case discussions
 - Research and documentation
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CAREER OUTCOMES

Graduates can pursue careers as:

- Joint Replacement Surgeon
- Orthopaedic Consultant
- Arthroplasty Specialist
- Clinical Researcher
- Academic and Research Professional



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