

FELLOWSHIP IN TRANSPLANT INTENSIVE CARE

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 Transplant Intensive Care is a specialized program designed to develop expertise in the management of critically ill patients undergoing organ transplantation and post-transplant care in ICU settings.

The program focuses on:

- Principles of transplant critical care
- ICU management of liver, kidney, and heart transplant patients
- Hemodynamic monitoring and organ support
- Immunosuppression and infection control
- Management of transplant-related complications
- Post-operative intensive care and recovery

The program integrates **ICU-based clinical training, simulation, and hands-on procedures**, ensuring advanced competency in transplant intensive care.

(Deemed to be University)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Provide comprehensive ICU care for transplant patients.
 2. Manage hemodynamic instability and organ dysfunction.
 3. Apply infection control and immunosuppression protocols.
 4. Deliver evidence-based and patient-centered critical care.
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PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Manage critically ill transplant patients in ICU settings.

2. **Monitoring Skills:** Apply advanced hemodynamic monitoring and organ support techniques.
 3. **Critical Care Skills:** Manage complications following organ transplantation.
 4. **Infection Control:** Handle immunosuppression and prevent infections.
 5. **Post-Operative Care:** Provide ICU care during recovery after transplantation.
 6. **Multidisciplinary Approach:** Collaborate with transplant surgeons and intensivists.
 7. **Evidence-Based Practice:** Apply updated transplant ICU guidelines.
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COURSE OUTCOMES (COS)

- **CO1:** Understand principles of transplant intensive care.
 - **CO2:** Manage ICU care for transplant patients.
 - **CO3:** Apply hemodynamic monitoring and organ support techniques.
 - **CO4:** Handle complications and critical conditions post-transplant.
 - **CO5:** Ensure optimal patient recovery and outcomes.
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PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in transplant ICU management.
 2. Apply advanced monitoring and life support techniques effectively.
 3. Integrate multidisciplinary approaches in transplant critical care.
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PROGRAM DETAILS

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

- **Academic Qualification:** MBBS with MD/DNB in Critical Care / Anaesthesia / General Medicine / Emergency Medicine or related specialties
 - **Professional Requirement:** As per institutional norms
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KEY FEATURES

- Specialized training in transplant intensive care
- Hands-on exposure in transplant ICU settings
- Training in advanced hemodynamic monitoring and organ support

- Focus on post-transplant complications and recovery
 - Exposure to immunosuppression and infection control
 - Integration of transplant medicine and critical care
 - Evidence-based clinical practice
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LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of transplant ICU care and organ physiology.
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COGNITIVE SKILLS

- Clinical decision-making in complex transplant cases.
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PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in ICU procedures and transplant patient management.
 - Hands-on experience in transplant ICU environments.
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TRANSFERABLE SKILLS

- Team coordination in multidisciplinary transplant teams.
 - Communication with patients' families and healthcare teams.
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SUBJECT-SPECIFIC SKILLS

- Advanced transplant ICU and critical care techniques.
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CURRICULUM MODULES – THEORY

- Principles of Transplant Intensive Care
 - ICU Management of Organ Transplant Patients
 - Hemodynamic Monitoring and Organ Support
 - Immunosuppression and Infection Control
 - Post-Transplant Complications
 - Mechanical Ventilation in ICU
 - Organ Dysfunction and Critical Care
 - Nutrition in Transplant ICU
 - Ethical and Legal Aspects
 - Advances in Transplant Critical Care
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PRACTICAL COURSEWORK

- Clinical training in transplant ICU units
- Management of transplant patients and complications
- Hemodynamic monitoring and organ support techniques
- Mechanical ventilation and airway management
- Post-operative ICU care and recovery
- Patient evaluation and ICU care planning
- Case documentation and clinical discussions

CAREER OUTCOMES

Graduates of the Fellowship in Transplant Intensive Care can pursue careers as:

- Transplant Intensivist
- Critical Care Specialist (Transplant ICU)
- ICU Consultant
- Organ Transplant Program Specialist
- Clinical Practitioner in Tertiary Care Hospitals
- Academic and Research Roles in Critical Care Medicine

