

FELLOWSHIP IN FETAL CARDIOLOGY

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.

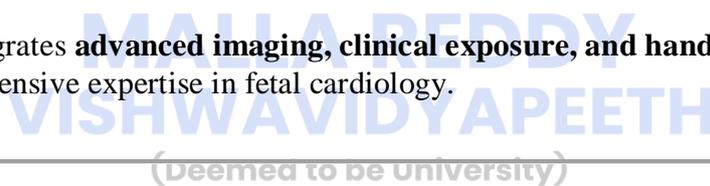
PROGRAM OVERVIEW

The Fellowship in Fetal Cardiology is a specialized one-year program designed to train healthcare professionals in the diagnosis and management of congenital heart diseases in fetuses.

The program focuses on:

- Fetal cardiac development and physiology
- Advanced fetal echocardiography techniques
- Prenatal diagnosis of congenital heart diseases
- Fetal cardiac interventions and planning
- Multidisciplinary fetal care and counseling

The program integrates **advanced imaging, clinical exposure, and hands-on training**, ensuring comprehensive expertise in fetal cardiology.



PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates will be able to:

1. Diagnose congenital heart diseases in fetuses using advanced imaging.
 2. Apply fetal echocardiography techniques effectively.
 3. Perform clinical assessment and prenatal counseling.
 4. Contribute to multidisciplinary fetal cardiac care.
-

PROGRAM OUTCOMES (POS)

1. **Clinical Expertise:** Diagnose and manage fetal cardiac conditions.
2. **Imaging Proficiency:** Master fetal echocardiography and Doppler techniques.

3. **Intervention Skills:** Understand fetal cardiac intervention planning.
 4. **Multidisciplinary Care:** Collaborate with obstetrics and neonatology teams.
 5. **Ethical Practice:** Apply ethical and legal standards in fetal care.
 6. **Research Orientation:** Contribute to advancements in fetal cardiology.
-

COURSE OUTCOMES (COS)

- **CO1:** Understand fetal cardiac anatomy and development.
 - **CO2:** Perform and interpret fetal echocardiography.
 - **CO3:** Diagnose congenital heart diseases in utero.
 - **CO4:** Apply prenatal counseling and risk assessment.
 - **CO5:** Participate in multidisciplinary fetal care management.
-

PROGRAM-SPECIFIC OUTCOMES (PSOS)

1. Demonstrate expertise in fetal cardiac imaging techniques.
 2. Diagnose and evaluate congenital heart defects prenatally.
 3. Integrate multidisciplinary approaches in fetal cardiac care.
-

PROGRAM DETAILS

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

ELIGIBILITY CRITERIA

- **Academic Qualification:** MBBS with DM/DNB in Cardiology / Pediatric Cardiology / Neonatology
 - **Professional Requirement:** As per institutional norms
-

KEY FEATURES

- Specialized training in fetal cardiology
- Hands-on exposure to fetal echocardiography
- Training in Doppler and advanced imaging techniques
- Focus on prenatal diagnosis and counseling
- Multidisciplinary clinical exposure
- Evidence-based clinical practice

LEARNING OUTCOMES

KNOWLEDGE & UNDERSTANDING

- Comprehensive understanding of fetal cardiac development and disorders.

COGNITIVE SKILLS

- Clinical decision-making in prenatal cardiac conditions.

PRACTICAL & PROFESSIONAL SKILLS

- Proficiency in fetal echocardiography and imaging techniques.
- Hands-on experience in fetal cardiac evaluation.

TRANSFERABLE SKILLS

- Communication and counseling skills for expectant parents.
- Clinical documentation and case management.

SUBJECT-SPECIFIC SKILLS

- Advanced diagnostic and evaluative techniques in fetal cardiology.

CURRICULUM MODULES – THEORY

- Fetal Cardiac Development and Physiology
- Principles of Fetal Echocardiography
- Congenital Heart Diseases in Fetuses
- Fetal Cardiac Arrhythmias
- Doppler and Advanced Imaging Techniques
- Prenatal Diagnosis and Counseling
- Ethical and Legal Aspects in Fetal Cardiology
- Multidisciplinary Fetal Care
- Advances in Fetal Cardiology

PRACTICAL COURSEWORK

- Hands-on training in fetal echocardiography
- Clinical exposure in fetal imaging units
- Diagnosis and evaluation of fetal cardiac conditions
- Participation in multidisciplinary case discussions

- Prenatal counseling and patient interaction
 - Case documentation and clinical assessments
-

CAREER OUTCOMES

Graduates of the Fellowship in Fetal Cardiology can pursue careers as:

- Fetal Cardiology Specialist
- Pediatric Cardiology Consultant
- Specialist in Prenatal Cardiac Diagnosis
- Clinical Practitioner in Tertiary Care Hospitals
- Academic and Research Roles in Fetal Cardiology

