

Medical College & Research Centre Teerthanker Mahaveer University

MD (Paediatrics)

Goals

The goal of Post graduation (MD) course in Pediatrics is to produce a competent pediatrician who:

- Recognizes the health needs of neonates, infants, children and adolescents and carries out professional obligations in keeping with principles of National Health Policy and professional ethics;
- Has acquired the competencies pertaining to pediatrics that are required to be practiced in the community and at all levels of health care system;
- Has acquired skills in effectively communicating with the child, family and the community;
- Is aware of the contemporary advances and developments in medical sciences as related to child health;
- Is oriented to principles of research methodology; and
- Has acquired skills in educating medical and paramedical professionals.

Objectives

At the end of the MD course in Pediatrics, the student should be able to:

- Recognize the key importance of child health in the context of the health priority of the country;
- Practice the specialty of Pediatrics in keeping with the principles of professional ethics;
- Identify social, economic, environmental, biological and emotional determinants of child and adolescent health, and institute diagnostic, therapeutic, rehabilitative, preventive and promotive measures to provide holistic care to children;
- Recognize the importance of growth, nutrition and development as the foundation of Pediatrics; and help each child realize her/his optimal potential in this regard;
- Take detailed history, perform complete physical examination including neuro-development and behavioral assessment and anthropometric measurements of the child and make clinical diagnosis;
- Perform relevant investigative and therapeutic procedures for the pediatric patient;
- Interpret important imaging and laboratory results;
- Diagnose illness in children based on the analysis of history, physical examination and investigative work up;
- Plan and deliver comprehensive treatment for illness in children using principles of rational drug therapy;
- Plan and advise measures for the prevention of childhood disease and disability.
- Plan rehabilitation of children suffering from chronic illness and handicap, and those with special needs;
- Manage childhood emergencies efficiently;
- Provide comprehensive care to normal, 'at risk' and sick neonates;
- Demonstrate skills in documentation of case details, and of morbidity and mortality data relevant to the assigned situation;
- Recognize the emotional and behavioral characteristics of children, and keep these fundamental attributes in focus while dealing with them;
- Demonstrate empathy and humane approach towards patients and their families and

respect cultural needs.

- Demonstrate communication skills of a high order in explaining management and prognosis, providing counseling and giving health education messages to patients, families and communities;
- Develop skills as a self-directed learner, recognize continuing educational needs; use appropriate learning resources, and critically analyze relevant published literature in order to practice evidence-based pediatrics;
- Demonstrate competence in basic concepts of research methodology and epidemiology;
- Facilitate learning of medical/nursing students, practicing physicians, para- medical health workers and other providers as a teacher-trainer;
- Play the assigned role in the implementation of national health programs, effectively and responsibly;
- Organize and supervise the desired managerial and leadership skills;
- Function as a productive member of a team engaged in health care, research and education