

## **(128-MED-26-03) MD – Pediatrics**

### **Significance of Program**

MD or Doctorate of Medicine in Pediatrics field is a postgraduate degree course of 3 years that primarily aims to study Pediatrics. Pediatrics can be understood as a field that studies the medical care of infants, adolescents and children

### **Career Options**

MD Pediatrics graduates have a good job scope in India and can work both in the public and private sector, depending on their interests, skills, and the type of occupation they want to choose. Both have their plus points and job benefits. Some of the professions that an MD Pediatrics graduate can take are: Clinics

### **Program Objectives**

The objectives of MD Course in Paediatrics are to produce a competent pediatrician who:

- Recognizes the health needs of infants, children and adolescents and carries out professional obligations in keeping with principles of the National Health Policy and professional ethics
- Has acquired the competencies pertaining to Paediatrics that are required to be practiced in the community and at all levels of health system
- Has acquired skills in effectively communicating with the child, family and the community
  - Is aware of contemporary advances and developments in medical sciences as related to child health
- Is oriented to principles of research methodology □ Has acquired skills in educating medical and paramedical professionals
- Is able to recognize mental conditions and collaborate with Psychiatrists/ Child Psychologists for the treatment of such patients

### **Outcomes of the Program**

- Recognizes the health needs of infants, children and adolescents and carries out professional obligations in keeping with principles of the National Health Policy and professional ethics
- Has acquired the competencies pertaining to Paediatrics that are required to be practiced in the community and at all levels of health system
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- Is aware of contemporary advances and developments in medical sciences as related to child health
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### **Major Course Outline**

Growth and Development

Psychological disorder

Respiratory

Endocrinology

Neonatology

Infections

Behavioral Disorder

Skin diseases

Social Paediatrics

Adolescent Health

Genetics

Central Nervous system

Nutrition

Fetus Newborn

Cardiovascular

Eye diseases

Neurological Disorders

Emergence and critical care

Infections

Digestive system

social Paediatrics II

Adolescent Health II

CORE	Electives	Skill Course
PEDIATRICS	PEDIATRIC CARDIOLOGY	Breast feeding assessment and counseling; management of common problems ii) Establishment of central and peripheral vascular access; CVP monitoring iii) Administration of injections using safe injection practices iv) Determination of volume and composition of intravenous fluids and heir administration v) Neonatal and Pediatric basic and advanced life support vi) Oxygen administration, CPAP and nebulization therapy vii) Blood and blood component therapy viii) Intraosseous fluid administration ix) Phototherapy, umbilical artery and venous catheterization and exchange transfusion x) Nasogastric feeding xi) Common dressings and abscess drainage; intercostal tube insertion xii) Basic principles of rehabilitation xiii) Peritoneal dialysis xiv) Mechanical ventilation