

**PEOPLE'S COLLEGE OF MEDICAL SCIENCES & RESEARCH CENTRE, BHANPUR,  
BHOPAL**

**UNDERGRADUATE COURSE**

**MBBS: PEDIATRICS**

Program outcomes	<p>At the end of the course the student shall be able to:</p> <ul style="list-style-type: none"><li>➤ Describe the normal growth and development during foetal life, neonatal period, childhood and adolescence and outline deviations thereof</li><li>➤ Describe the common paediatric disorders and emergencies in terms of epidemiology, etiopathogenesis, clinical manifestations, diagnosis, rational therapy and rehabilitation</li><li>➤ Identify pediatric and neonatal illnesses and problems that require secondary and tertiary care and refer them appropriately</li><li>➤ State age related requirements of calories, nutrients, fluids, drugs etc. in health and disease</li><li>➤ Describe preventive strategies for common infectious disorders, malnutrition, genetic and metabolic disorders, poisonings, accidents and child abuse</li><li>➤ Outline national programmes relating to child health including immunizations programmes</li><li>➤ Counsel and guide patients parents and relatives regarding the illness, the appropriate care, the possible complications and the prognosis</li><li>➤ Discharge medio-legal and ethical responsibilities</li></ul> <p><b>(b) Skills</b></p> <p>At the end of the course, the student shall be able to:</p> <ul style="list-style-type: none"><li>➤ Take a detailed paediatric history.</li><li>➤ Conduct appropriate physical examination of children including neonates.</li><li>➤ Make clinical diagnosis &amp; differential diagnosis.</li><li>➤ Conduct common bedside investigative procedures</li><li>➤ Interpret common laboratory investigation results and plan and institute therapy</li><li>➤ Take anthropometric measurements.</li><li>➤ Resuscitate newborn infants at birth.</li><li>➤ Prepare oral rehydration solution.</li><li>➤ Perform tuberculin test.</li><li>➤ Administer vaccines available under current National Programmes</li><li>➤ Start an intravenous drip and use of Nebulizer.</li><li>➤ Insert nasogastric tube and provide nasogastric feeding 3.</li><li>➤ Observe diagnostic procedures such as lumbar puncture,</li></ul>
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	<p>pleural tap and ascitic tap:</p> <ul style="list-style-type: none"> <li>➤ Observe liver biopsy, kidney biopsy and bone marrow aspiration</li> <li>➤ Distinguish between normal newborn babies and those requiring special care</li> <li>➤ Institute early care to all new born babies including care of preterm and low birth weight babies.</li> <li>➤ Provide correct guidance and counseling in breast feeding.</li> <li>➤ Should be able to advice correct Breast feeding &amp; KMC technique &amp; warm chain.</li> </ul>
Program specific outcomes	<ul style="list-style-type: none"> <li>➤ Describe the normal growth and development during foetal life, neonatal period, childhood and adolescence and outline deviations thereof</li> <li>➤ Describe the common paediatric disorders and emergencies in terms of epidemiology, etiopathogenesis, clinical manifestations, diagnosis, rational therapy and rehabilitation</li> <li>➤ Take a detailed Paediatric history.</li> <li>➤ Conduct appropriate physical examination of children including neonates.</li> <li>➤ Make clinical diagnosis.</li> <li>➤ Identify pediatric and neonatal illnesses and problems that require secondary and tertiary care and refer them appropriately</li> <li>➤ Conduct common bedside investigative procedures</li> </ul>
Course outcomes	<p>The broad goal of the teaching of undergraduate students in Pediatrics is to acquire knowledge and appropriate skills for optimally dealing with major health problems of children and to ensure their optimal growth and development. Provide ambulatory care to all sick children, identify indications for specialized/inpatient care and ensure timely referral of those who require hospitalization.</p>

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**Course Name: M.D. PEDIATRICS**

<p>Program outcomes</p>	<p>A Student upon successfully qualifying in the M.D (Pediatrics) should be able to:</p> <p>He becomes a competent pediatrician who:</p> <p>Recognizes the health needs of infants, children and adolescents and carries out professional obligations in keeping with principles of National Health Policy and professional ethics.</p> <p>Diagnose common illnesses in children after taking detailed history, physical examination and interpretation of investigation of Indoor/outdoor patients then plan and deliver comprehensive treatment by using principle of rational drug therapy independently</p> <p>To assist in management of critically ill patients in emergency room and PICU/NICU as a part of team.</p> <p>Provide comprehensive care to normal and “at risk” neonate admitted in postnatal ward independently.</p> <p>Has acquired the competencies (cognitive, psychomotor and affective) pertaining to pediatrics that are required to be practiced in the community and at all levels of health system.</p> <p>Is aware of the contemporary advances and developments in medical science as related to child health.</p> <p>Practice the Pediatric Speciality in accordance with the principles of professional ethics</p> <p>Should be able to perform the procedures in wards/ICU and OPD accurately.</p> <p>Recognize the importance of child health in the context of health priority of community and country as a whole.</p> <p>Show respect and sensitivity to personal and cultural factors that improve interaction with family and community as a whole.</p> <p>Organized and supervise the chosen / assigned health care services demonstrating adequate managerial skills in hospital and community.</p> <p>To demonstrate basic concept of research methodology and epidemiology and be able to do relevant literature search and their critical appraisal</p>
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	<p>Facilitate learning of medical / nursing student, junior resident, paramedical health workers and other health care provider as a teacher – trainer by using different relevant teaching and learning methods.</p> <p>Learn proper medico legal documentation (death certificate, Informed consent) under supervision and guidance of senior resident / faculty.</p> <p>Should demonstrate the right professional attitude by being punctual, disciplined, prompt response to calls, keenness to learn in wards / ICUs / Casualty &amp; labor room</p> <p>To demonstrate empathy and humane approach towards patients and their families</p> <p>Should show high professional values that include responsibility, compassion, empathy, accountability, honesty and integrity and full commitment to child health using scientific methods</p>
<p>Program specific outcomes</p>	<ul style="list-style-type: none"> <li>• Is aware of contemporary advances and developments in the field of Pediatrics.</li> <li>• Has acquired the competencies pertaining to the subject of Pediatrics that are required to be practiced at all levels of health system.</li> <li>• Is able to discharge responsibilities and participate in National Health Education Programme.</li> <li>• Is oriented to the principles of research methodology.</li> <li>• Has acquired skills in educating medical and paramedical professionals.</li> <li>• Has acquired skills in effectively communicating with the students and colleagues from various medical and paramedical fields.</li> <li>• Has acquired skills of integrating pediatrics with other disciplines as and when needed (horizontal and vertical integration).</li> <li>• Has acquired qualities of a good teacher capable of innovations in teaching methodology.</li> <li>• Has been able to demonstrate adequate management skills to function as an effective leader of the team engaged in patient care, teaching and research</li> </ul>

Course outcomes	<ul style="list-style-type: none"><li>• At the end of the course the student, after undergoing the training, should be able to deal effectively with the needs of the medical community and should be competent to handle all problems related to the specialty of Pediatrics and recent advances in the subject.</li></ul> <p>The post graduate student should also acquire skills in teaching Pediatrics to medical and paramedical students and be able to integrate teaching of Pediatrics with other pre, para and clinical subjects, while being aware of her/his limitations.</p>
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