

# M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES

## PO, PSO & CO

**Programme: M.CH Pediatric Surgery**

**Programme Code: 160**

**Programme Outcome (PO)**

**Programme Specific Outcome (PSO)**

**Course Outcomes (CO)**

*Shalini*

**Principal and Dean**

M.S. Ramaiah Medical College and Hospital  
M.S. Ramaiah University of Applied Sciences  
Bangalore-560054



# Ramaiah Medical College (RMC)

## Programme Outcomes

### Post Graduate Programme: M.CH Paediatric Surgery

#### Programme objectives (PO) for M.ch Paediatric Surgery Postgraduate students

At the end of the program the postgraduate students should

- PO1.** Develop the knowledge, skills and attitude to be a competent Paediatric Surgeon.
- PO2.** Demonstrate a commitment to excellence and continuous professional development with integrity. To be compassionate and sensitive to patient care.
- PO3.** To be able to Acquire and develop the knowledge, skills and attitude required to be an ethical researcher and teacher.
- PO4.** To be able to independently perform surgical procedures applicable to Paediatric Surgery speciality with a reasonable degree of professionalism and competence.

## Programme Specific Outcomes (PSOs)

### Programme specific outcome (PSO) for M.CH Paediatric Surgery Postgraduate students

- PSO1.** To acquire clinical skills in taking proper clinical history, clinical examination, relevant investigations. To diagnose reasonable surgical conditions.
- PSO2.** To be able to advise specific investigation like CT scan, MRI and Doppler studies for particular cases and should be able to diagnose with reasonable accuracy.
- PSO3.** To be able to handle paediatric surgery equipments like laparoscopic instruments, endoscopes and basic paediatric surgery instruments.
- PSO4.** To be able to teach and assess undergraduates and broad speciality surgical postgraduates with the help of senior surgeons and also be able to conduct fundamental research activities independently or as a team member.
- PSO5.** To apply skills learnt in the advanced learning center for patient care, application of principles of professionalism, ethics and effective communication in the conduct of routine paediatric surgery services, teaching activities and research.
- PSO6.** To be able to perform basic paediatric surgery procedures independently.

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## Course Outcomes (COs)

**Course Title & Code: Basic Sciences in Paediatric Surgery, Trauma, Transplantation. (MCHC517A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Student should be well versed with common paediatric surgical conditions. Should have basic knowledge about neonatal physiology, pathophysiology of acute paediatric emergencies.
- CO-2** The student should demonstrate integrity, accountability, respect, compassion and dedicated patient care, commitment to excellence, continuous professional development and ethical principles relating to research conduct and publication as applicable to all the specific courses

## Course Outcomes (COs)

**Course Title & Code: Regional Paediatric Surgery – 1 (MCHC518A)**

**Subjects At the end of the course, the students should be able to:**

- CO-1.** Should know standard operating procedures for common paediatric surgical conditions:
- CO-2.** Should be well versed about neonatal and paediatric physiology and anatomy.
- CO-3.** Should have a basic knowledge about basic research methodology so that student can independently conduct fundamental and applicable research in accordance with instructions as accepted by international standards.
- CO-4.** Should have a knowledge about common acute paediatric surgical emergencies and their management.

## Course Outcomes (COs)

**Course Title & Code: Regional Pediatric Surgery - 2 (MCHC519A)**

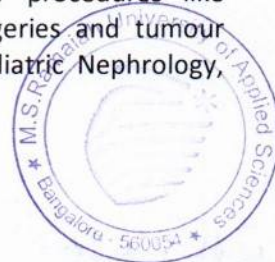
**Subjects At the end of the course, the students should be able to:**

- CO-1.** Be familiar with SOP followed for paediatric trauma with special emphasis to solid organ injury and its acute management and be able to recommend specific investigations like USG scans, CECT scans.
- CO-2.** Be able to possess the knowledge of exploratory and microsurgical principles and its application to the clinical situations like chest and abdominal penetrating injuries.
- CO-3.** Be conversant with paediatric surgical apparatus and its principles of working, its maintenance of instruments/ apparatus like laparoscopic instruments, paediatric urological instruments and operating microscopes.
- CO-4.** To be able to take decision and perform minor procedures in emergency like torsion testis, torsion ovary, acute appendicitis, malrotation of intestine, retrieval of foreign body from aero digestive tract and preparation for surgery of the major procedures like reconstructive paediatric urology, thoracic surgeries, neonatal surgeries and tumour excisions. Coordinating with other specialities like Paediatrics, Paediatric Nephrology, Neonatology, orthopaedics, surgical oncology and Medical oncology.

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- CO-4.** Should demonstrate knowledge of different methods of teaching-learning and assessments and should be independently able to teach and engage undergraduate students, paramedical staff and their own peers in the form of presenting seminars, journal clubs and clinicopathological and CMEs as applicable to all the specific courses.

### **Course Outcomes (COs)**

**Course Title & Code: Recent advances in Pediatric surgery relevant to Surgical Oncology (MCHC520A)**

Subjects At the end of the course, the students should be able to:

- CO-1.** Should be conversant with the principles of Paediatric surgical oncology and Line insertions for chemotherapy (Chemoport, Hickman line, PICC line)
- CO-2.** Student should be conversant with photography, record keeping and data management.

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