

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 Vascular Surgery

Programme Code: 158

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 Vascular Surgery

Programme objectives (PO) for M.ch Vascular & Endovascular Surgery Postgraduate students

At the end of the program the postgraduate students should

- PO1. The purpose of training programs in the specialty of Vascular Surgery is to Produce competent individuals, who are able to meet the health care needs of the Society. (A, C)
- PO2. To develop new tools and skills in surgical and simulation labs and to transfer these Skills to real cases, in terms of reduced time taken, fewer errors and decreased Patient discomfort. (C,P)
- PO3. To shorten the length of learning curve when acquiring skills to perform on patients and to provide cost effective method of training (A,P)
- PO4. Vascular Surgical skills and endovascular skills being different from general surgical skills, they have to be imparted at the heric level first in wet labs and simulation laboratories before the trainees are exposed to real patients. (A,C,P)
- PO5. To improve cognitive skills in decision making, judgement and communication and to define proficiency levels & to ensure one has the ability for independent and competent practice. (C, A,P)

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for M.CH Vascular & Endovascular Surgery Postgraduate students

- PSO1-To develop knowledge levels and to hone skills to handle elective vascular surgical problems. (C, P)
- PSO2 - To expose and train individuals to plan and operate on vascular emergencies and nontrauma vascular problems and vascular trauma patients. (A, P, C)
- PSO3- To provide of equip skills to diagnose, plan, treat and to follow-up vascular patients.
- PSO4- To detect early signs and symptoms of vascular diseases and to streamline management protocols. (C, A)
- PSO5-To update recent knowledge and to keep in pace with rapid advances in the progress of vascular Surgery and endovascular techniques. (A, P)
- PSO6-To sensitize the trainee to newer learning methods and research tools & to encourage clinical research. (C, P)
- PSO7- To plan and execute mass screening programs and organize preventive Methodologies. (A, P)
- PSO8- To publish. Papers in indexed journals e.g., Article, short papers, short case reports, clinical reviews, research papers during the training period. (A, P, C)

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Course Outcomes (COs)

Course Title & Code: Basic Sciences applied to Vascular Surgery (M.CHC509A)

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

- CO-1. Demonstrate comprehensive knowledge of applied anatomy, classification of vascular disease. (C)
- CO-2. Demonstrate the understanding of various concepts of clinical evaluation and role of appropriate investigations in planning. (C)
- CO-3. Demonstrate the understanding of radiation safety and basic vascular exposures. (C)

Course Outcomes (COs)

Course Title & Code: Vascular Surgery (MCHC510A)

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

- CO-1. Demonstrate comprehensive knowledge of surgical steps and techniques for vascular conditions and the physiological and scientific basis of treatment. (C)
- CO-2. Demonstrate the understanding of various concepts of various open surgical techniques used in pathology. (C)
- CO-3. Demonstrate the comprehensive understanding of preoperative optimization, complications of surgical procedure and methods of post-operative management. (C)

Course Outcomes (COs)

Course Title & Code: Vascular and Endovascular Surgery (MCHC511A)

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

- CO-1. Demonstrate comprehensive knowledge of surgical steps and techniques and use of endovascular techniques. (C)
- CO-2. Demonstrate the understanding of various devices used in endovascular therapy and various clinical trials in its use. (C)
- CO-3. Demonstrate the comprehensive understanding of complications with usage in endovascular therapy. (C)

Course Outcomes (COs)

Course Title & Code: Recent advances in Vascular Surgery (MCHC512A)

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

- CO-1. Demonstrate comprehensive knowledge of surgical usage and recent trials in vascular surgery. (C)
- CO-2. Demonstrate the understanding of newer innovations and devices in the field of vascular

- and endovascular surgery. (C)
- CO-3.** Demonstrate the comprehensive understanding of newer modalities in the management of vascular diseases . (C)



Registrar
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