



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

YENEPOYA MEDICAL COLLEGE

PROGRAM AND PROGRAM SPECIFIC/COURSE OUTCOMES

POSTGRADUATE PROGRAM

MS GENERAL SURGERY

ATTESTED

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PROGRAM OUTCOMES
POSTGRADUATE PROGRAM
MS GENERAL SURGERY

At the end of postgraduate training, the PG student should be able to: -

- PO1 Diagnose and appropriately manage common surgical ailments in a given situation.
- PO2 Provide adequate preoperative, post-operative and follow-up care of surgical patients.
- PO3 Identify situations calling for urgent or early surgical intervention and refer at the optimum time to the appropriate centers.
- PO4 Counsel and guide patients and relatives regarding need, implications and problems of surgery in the individual patient.
- PO5 Provide and coordinate emergency resuscitative measures in acute surgical situations including trauma.
- PO6 Organize and conduct relief measures in situations of mass disaster including triage.
- PO7 Effectively participate in the National Health Programs especially in the Family Welfare Programs.
- PO8 Discharge effectively medico-legal and ethical responsibilities and practice his specialty ethically.
- PO9 Must learn to minimize medical errors.
- PO10 Must update knowledge in recent advances and newer techniques in the management of the patients.
- PO11 Must learn to obtain informed consent prior to performance of operative procedure.
- PO12 Perform surgical audit on a regular basis and maintain records (manual and/or electronic) for life.
- PO13 Participate regularly in departmental academic activities by presenting Seminar, Case discussion, Journal Club and Topic discussion on weekly basis and maintain logbook.
- PO14 Demonstrate sufficient understanding of basic sciences related to his specialty.
- PO15 Plan and advice measures for the prevention and rehabilitation of patients belonging to his specialty.

Research: The student should:

- Know the basic concepts of research methodology, plan a research project and know how to consult library.
- Should have basic knowledge of statistics.

Teaching: The student should learn the basic methodology of teaching and develop competence in teaching medical/paramedical students.

Professionalism:

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- The student will show integrity, accountability, respect, compassion and dedicated patient care. The student will demonstrate a commitment to excellence and continuous professional development.
- The student should demonstrate a commitment to ethical principles relating to providing patient care, confidentiality of patient information and informed consent.
- The student should show sensitivity and responsiveness to patients' culture, age, gender and disabilities.

PROGRAM SPECIFIC/COURSE OUTCOMES

POSTGRADUATE PROGRAM

MS GENERAL SURGERY

By the end of the course, the student should have acquired knowledge (cognitive domain), professionalism (affective domain) and skills (psychomotor domain) as given below:

A. Cognitive domain

- Demonstrate knowledge of applied aspects of basic sciences like applied anatomy, physiology, biochemistry, pathology, microbiology and pharmacology.
- Demonstrate knowledge of the bedside procedures and latest diagnostics and therapeutics available.
- Describe aetiology, pathophysiology, principles of diagnosis and management of common surgical problems including emergencies, in adults and children.
- Demonstrate the theoretical knowledge of general principles of surgery.
- Demonstrate the theoretical knowledge of systemic surgery including disaster management and recent advances.
- Demonstrate the theoretical knowledge to choose, and interpret appropriate diagnostic and therapeutic imaging including ultrasound, Mammogram, CT scan, MRI.
- Demonstrate the knowledge of ethics, medico-legal aspects, communication skills and leadership skills. The PG student should be able to provide professional services with empathy and humane approach.

B. Affective domain

- Should be able to function as a part of a team, develop an attitude of cooperation with colleagues, and interact with the patient and the clinician or other colleagues to provide the best possible diagnosis or opinion.
- Always adopt ethical principles and maintain proper etiquette in dealings with patients, relatives and other health personnel and to respect the rights of the patient including the right to information and second opinion.

- Develop communication skills to word reports, obtain a proper relevant history and professional opinion as well as to interact with patients, relatives, peers and paramedical staff, and for effective teaching.
- Obtain informed consent for any examination/procedure and explain to the patient and attendants the disease and its prognosis with a humane approach.
- Provide appropriate care that is ethical, compassionate, responsive and cost effective and in conformation with statutory rules.

C. Psychomotor domain

- Perform a humane and thorough clinical examination including internal examinations and examinations of all organs/systems in adults and children
- Write a complete case record with all necessary details.
- Arrive at a logical working diagnosis / differential diagnosis after clinical examination.
- Order appropriate investigations keeping in mind their relevance (need based).
- Choose, perform and interpret appropriate imaging in trauma - ultrasound FAST (Focused Abdominal Sonography in Trauma).
- Perform minor operative procedures and common general surgical operations independently and the major procedures under guidance.
- Provide basic and advanced life saving support services in emergency situations
- Provide required immediate treatment and comprehensive treatment taking the help of specialist as required.
- Perform minimally invasive surgery in appropriate clinical settings. Must have undergone basic training in operative laparoscopy related to general and GI Surgery.
- Undertake complete patient monitoring including the preoperative and post operative care of the patient.
- Write a proper discharge summary with all relevant information.

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