

In the Name of God

**Islamic Republic of Iran
Ministry of Health and Medical Education
Deputy for Education**

**General surgery
Degree: Specialty**

Program Description (Introduction):

People in their Life time are exposed to diseases and incidents, such as road accidents, fire and burns, cancers, injuries caused by disputes and wars, fall, earthquake and debris, as well as congenital physical anomalies. In some of these cases, their injured organs, specially the vital ones, need surgical interventions.

There have been enormous changes and innovations in this field, so that the educational program is constantly changing and programmers must focus their special attention on these various changes. Recently, the curriculum of General Surgery program has been revised due to dramatic changes in technology, substantive information, equipment, methods, and even diseases, and its revision was done by experts and professors in this field.

Program Definition and Duration:

General surgery is a branch of medicine that is about surgical management of diseases of different parts of the human body. The main emphasis of the field is on traumas, diseases of the gastrointestinal tract, abdomen, neck, endocrine system, peripheral arteries, soft tissues, and breasts.

Duration of the program:

Four years

Admission Requirements

- Holding an MD degree
- Having passed the National Entrance Exam

Expected Competencies at the End of the Program

General Competencies*

Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Gastrointestinal surgeries, including esophagus, stomach, small intestine, large intestine, rectum, anus, liver, gallbladder, bile ducts, and pancreas
- Extra Cranial Endocrine Surgeries
- Breast surgeries
- Reticuloendothelial surgeries, including spleen and lymphatic system
- Skin and soft tissue surgeries
- Peripheral and visceral arterial emergency surgeries
- Head and neck surgeries (except for brain and spinal cord, eyes, inner ear, and cosmetic surgeries)
- Emergency and basic thoracic surgeries
- Emergency and basic pediatric surgeries

- Trauma and burn surgeries
- Outpatient surgeries (minor)
- Basic laparoscopic surgeries
- Cancer surgeries based on oncologic principles
- Benign abdominal and pelvic tumor surgeries
- Basic endoscopy of gastrointestinal tract as a therapeutic approach

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

- Oral and practical exams
- PMP exam
- Direct observation of procedural skills (DOPS)
- Portfolio assessment
- Objective Structural Clinical Examination (OSCE)
- Log book assessment
- 3360-degree feedback
- Formative (periodic and continuous) assessment is performed under the supervision of Educational Department in wards, at least every 2 to 4 weeks and includes all areas of knowledge, skills, and attitude
- Knowledge assessment is performed intra-universally at least every 2 to 3 months by the Educational Department
- The comprehensive OSCE exam is administered at least once a year by the Educational Department focusing on attitude and skills areas
- Promotion MCQ exam (annually)
- Summative Written and oral national board certification exam

Ethical Considerations*

*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.

The overall structure of the course:

1st year		One full month – afternoons during the course
	Emergency room/General surgery ward (Pre and Post-Operative care Instructions)	3 months
	Emergency room/General surgery ward/ operating room/ clinic	8 months
2nd year	Emergency room/General surgery ward/ operating room/ clinic	6 months
	Orthopedic ward	1 month
	Neurosurgical ward	1 month
	Radiology ward	1 month
	Urology ward	1 month
	Gynecological ward	1 month
	Anesthesia and Intensive Care units	1 month
3rd year	Endoscopy unit	1month
	Reconstructive and burn surgery unit	1 month
	Thoracic surgery ward	2 months
	Pediatric surgery ward/NICU	2 months
	Laparoscopic surgery ward	2 months
	Elective unit	1 month
	Emergency room, General surgery ward (emergency room and ward)	3 months
4th year	senior assistant in General surgery (emergency room and ward)	9 months
	Elective units	3 months

Seyed-Hassan Emami-Razavi MD
Secretariat of the Council for
Graduate Medical Education

Seyed Mansour Razavi MD
Secretary of the Supreme Council
for Medical Sciences Planning

Bagher Larijani MD
Deputy for Education
Ministry of Health and Medical Education