

**UNIVERSITY OF MEDICINE AND PHARMACY OF TÂRGU MUREȘ,
ROMANIA
FACULTY OF MEDICINE**

**FORTH YEAR OF STUDIES
TOTAL NUMBER OF HOURS: 90**

**GENERAL OBJECTIVES
SPECIFIC OBJECTIVES
SURGERY**

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Treatment of wounds in the emergency room, surgical ward, , disinfection suturing, dressing	6
2.	Theme 2	Examining the patient in an emergency surgical	6
3.	Theme 3	Laboratory examination of the patient surgical-making techniques, interpretation	6
4.	Theme 4	Acute surgical abdomen	6
5.	Theme 5	Upper gastrointestinal bleeding and diagnosis, emergency treatment	6
6.	Theme 6	Intestinal occlusion and diagnosis, emergency treatment	6
7.	Theme 7	Postoperative monitoring of the surgical patient	6
8.	Theme 8	Endoscopic surgical exploration of patient-education, technical	6
9.	Theme 9	Laparoscopic surgery	6

10.	Theme 10	Resuscitarea cardio-respiratorie-cerebrală	6
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REFERENCE:

1. Angelescu N.- Tratat de patologie chirurgicală- Ed.Med, vol.1 și 2, București, 2001;
2. Prișcu Al.- Chirurgie, vol.1 și 2- Ed.did.ped., București, 1994-1995;
3. Bancu V.E. și colab.- Patologie chirurgicală- Ed.did.ped., București, 1983

PEDIATRICS

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Technical infant and child nutrition: natural food, solid food, bottle-feeding, spoon, feeding by nasogastric tube, positions and special tools during and after feeding in certain diseases of the gastrointestinal (gastroesophageal reflux, gastric folding, cheilo -gnato-palato-schizis, etc..)	5
2.	Theme 2	Knowledge and appreciation of the development of neurological psychological and physical sistem according to age stages	6
3.	Theme 3	Calculation and interpretation of anthropometric indicators of development	5
4.	Theme 4	Ensuring optimal environmental conditions: optimum number of patients in a room, adequate ventilation of salons, ensuring appropriate temperatures, adequate conditions of hygiene of patients	6
5.	Theme 5	Knowledge and compliance of antiseptic (washing hands before and after clinical examination of patients, using sterile instruments: catheters, spatulas, syringes, infusion kit, regular disinfection of wards, etc..)	5
6.	Theme 6	Bathing, diapering, maintaining body temperature, and putting off putting newborns and infants	5
7.	Theme 7	Recognition and interpretation of phenomena characteristic of newborn life (crisis genital, physiological jaundice, weight loss)	6

8.	Theme 8	Learning technique complete clinical examination of the newborn, infant and child (throat examination technique with a spatula, complete examination of external genitalia, etc.)	6
9.	Theme 9	Acquiring the ability to perform a complete medical history and complete observation sheets under specialist medical supervision	6
10.	Theme 10	Knowledge of techniques and materials necessary for the tubing gastroduodenal, gastric lavage, enemas	6
11.	Theme 11	Filling prescriptions free / offset reference tickets, ticket application of laboratory and hospital under the supervision of tickets for specialist	6
12.	Theme 12	Familiarity with the disease codes and procedures in DRG(Diagnosis Related Groups)program	6
13.	Theme 13	Acquiring the ability to make the indication of chest radiographs and interpretation of results	5
14.	Theme 14	Understanding the principles and practical guidance in abdominal ultrasound interpretation	5
15.	Theme 15	Participation in certain oral loading tests (lactose, glucose, fructose) in various diseases and interpretation of results	6
16.	Theme 16	Technical monitoring of blood glucose and insulin in children with type 1 diabetes	6
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INTERNAL MEDICINE

Cardiovascular pathology

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Perform and interpret an ECG. Interpretation of Holter ECG and exercise test	10
2.	Theme 2	Arteriography, indications, contraindications and interpretation	10
3.	Theme 3	Coronary angiography, indications, contraindications and interpretation	10
4.	Theme 4	Echocardiography-interpretation	10
5.	Theme 5	Eco-vascular Doppler interpretation	10
6.	Theme 6	Indications, contraindications and principles of selective thrombolysis	10
7.	Theme 7	External electrical defibrillation-indications, contraindications and interpretation, technical	10
8.	Theme 8	Cardio respiratory resuscitation technique,	10

		interpretation	
9.	Theme 9	Principles, indications, contraindications and antiarrhythmic medication dosage, cardiac, diuretics, anticoagulants, fibrinolytic and hemoreologic in cardiovascular diseases (practical approach)	10

INTERNAL MEDICINE

Digestive pathology

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Upper and lower gastrointestinal endoscopy: indications, contraindications, complications	11
2.	Theme 2	Abdominal ultrasound-interpretation of results	11
3.	Theme 3	Therapeutic maneuvers: sclerosis and ligation of esophageal varices, endoscopic polypectomy: indications, contraindications, complications	11
4.	Theme 4	Endoscopic retrograde cholangiopancreatography: principles, indications, contraindications, complications	11
5.	Theme 5	Liver biopsy: indications, contraindications, complications and results interpretation	11
6.	Theme 6	Paracentesis: technique, indications, contraindications, complications and results interpretation	11
7.	Theme 7	Interpretation of results: cytotoxicity syndrome, cholestasis syndrome, syndrome of mesenchymal activity, viral markers, tumor markers in gastrointestinal cancers, H. pylori tests for diagnosis	12
8.	Theme 8	Acquiring key practical elements of therapy (agents, drugs, dosage) in chronic liver disease, gastric or duodenal ulcer, nonspecific inflammatory bowel disease	12
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INTERNAL MEDICINE

Hematological Pathology

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Blood count and peripheral smear: making, interpretation of test report	15
2.	Theme 2	Sternal puncture and osteo-medullary biopsy: indications, materials, interpretation of a summary analysis report	15
3.	Theme 3	Node biopsy: indications, interpretation of a bulletin with a description of lymph node sections	15
4.	Theme 4	Tests for assessing iron: sideremia, ferritin, hemosiderin, iron binding capacity	15
5.	Theme 5	Interpretation of a newsletter with hemostasis tests, electrophoresis, serum immunoglobulin determinations	15
6.	Theme 6	Practical principles guiding diagnosis and therapy of malignant hematologic their specific (chemotherapy, targeted therapy, immunomodulators, hematopoietic growth factors)	15

Intensive Care

Theme No.	THEME (chapter, sub-chapter)	Contents of the theme	No. of hours
1.	Theme 1	Knowledge of protocols and equipment necessary to perform advanced cardiopulmonary resuscitation	18
2.	Theme 2	Participation in direct resuscitation with fencing teams or prehospital UPU (emergency personnel unit)	18
3.	Theme 3	Evaluation of patients requiring emergency care and prehospital UPU	18
4.	Theme 4	Participation in pre-hospital emergency team on call with the mobile intensive care ambulance	18
5.	Theme 5	Participation in sessions of case reports, communications and presentations organized within the UPU	18
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