

SYLLABUS

Subject:	<i>Surgery 3</i>		
Study Programme:	<i>General Medicine</i>	Study Period:	<i>8 th</i>
Evaluation:	<i>completed</i>	Subject Type:	<i>compulsory</i>
Content:	2h. lectures and 2 h. practical training/weeks		<i>56 hours</i>

Department: *1st Department of Surgery*

<i>Week</i>	<i>Practical training</i>	<i>Lectures</i>
1.	Surgery of the small intestine, mesentery and retroperitoneum. Examination of the patient with Crohn´s disease and chronic ileus. Evaluation of x-ray films, CT scans. Mesenterial cysts and retroperitoneal tumours.	Surgery of the small intestine and retroperitoneum. Congenita abnormalities, injuries inflammations and tumours of the small intestine. Retroperitoneal tumours, bleeding, inflammations, Ormond´s disease.
2.	Surgery of the colon. Examination of the patient megacolon, diverticular disease, inflammatory and neoplastic processes. Observation of colonoscopic examination. Palliative and radical operations of the large intestine. Practical stoma care.	Surgery of the colon. Megacolon, diverticular disease, inflammatory and neoplastic processes.
3.	Surgery of the rectum and anus. Practical examination of the patients with anal fissure, haemorrhoidal nodules and colonic tumours. The management of perianal and periproctal abscesses. Tumours of the anus and rectum, surgical treatment.	Surgery of the rectum and anus. Surgical anatomy of the rectum and anus. Congenital anomalies, injuries to the anus, anal fissurae, pilonidal sinus. Periproctal abscesses. Fistulas and strictures of the anus. Anal and rectal tumours.
4.	Acute abdominal conditions – definition, division. General symptoms, principles of diagnosis and diferential diagnosis of acute abdominal conditions.	Acute abdominal conditions – definition of tdivision. General symptoms, principles of diagnosis and differential diagnosis of acute abdominal conditions.
5.	Inflamatory acute abdominal conditions. Acute abdominal conditions confined to one organ, with local spreading, diffuse peritonitis. Etiopathogenesis, clinical symptoms, diagnosis and principles of therapy	Inflamatory acute abdominal conditions – confined to one organ, with local spreading, diffuse peritonitis. Etiopathogenesis, clinical symptoms, diagnosis and principles of therapy.

SYLLABUS

6.	Obstructive acute abdominal conditions – mechanical ileus, neurogenic, vascular. Etiopathogenesis, clinical symptoms, diagnosis and principles of therapy.	Obstructive acute abdominal conditions – mechanical ileus, neurogenic, vascular ileus. Etiopathogenesis, clinical symptoms, diagnosis and principles of therapy.
7.	Gastrointestinal bleeding – clinical symptoms, etiopathogenesis, diagnostic strategy and treatment of upper and lower gastrointestinal tract bleeding.	Acute gastrointestinal bleeding – clinical symptoms, etiopathogenesis, diagnostic and therapeutic strategy in upper and lower gastrointestinal tract bleeding.
8.	Traumatic acute abdominal conditions. Mechanism of origin, diagnosis and principles of treatment.	Traumatic acute abdominal conditions. Etiology, diagnosis and principles of therapy.
9.	Congenital acute abdominal conditions – etiopathogenesis, clinical symptoms, diagnosis, principles of surgical therapy. Need of cooperation of neonatologist, pediatrician, pediatric surgeon and anesthesiologist.	Congenital acute abdominal conditions – etiopathogenesis, clinical symptoms, diagnosis, principles of surgical therapy and cooperation of neonatologist, pediatrician, pediatric surgeon and anesthesiologist.
10.	Surgical infections in childhood. Congenita and acquired diseases in childhood indicating surgery and its symptoms, diagnosis and surgical treatment.	Surgical disease and its treatment in childhood. Peculiarities of surgery in childhood. Congenital and acquired diseases in childhood requiring surgery, its symptoms, diagnosis and principles of surgical therapy.
11.	Angiosurgical acute abdominal conditions. Thoracosurgical acute abdominal conditions. Definition, etiopathogenesis, clinical symptoms, diagnosis and principles of surgical therapy.	Angiosurgical acute abdominal conditions. Thoracosurgical acute abdominal conditions. Definition, etiopathogenesis, clinical symptoms, diagnosis and principles of urgent surgical treatment.
12.	Surgical oncology – multidisciplinary treatment. Introduction to the cooperative management of oncological cases. Presentation of the patients with tumour and after oncological treatment.	Current concepts of surgical oncology. Multimodal therapy of surgical malignancies. Diagnosis and treatment precanceroses. Adjuvant therapeutic modalities: chemoradiotherapy and hormonotherapy.

SYLLABUS

13.	Special chapters of plastic, reconstructive and aesthetic surgery. Demonstration of patients with diseases mentioned above, before, during and after operation.	Special chapters of plastic, reconstructive and aesthetic surgery – surgical treatment of benign skin tumours (nevus, haemangioma, lymphangioma and arteriovenous fistula), surgical treatment of malignant skin tumours (basal cell carcinoma, squamous cell carcinoma, malignant melanoma), reconstruction of large abdominal hernias, surgical treatment of Dupuytren's contracture and another contracture based on tendosynovitis, surgical treatment of cosmetic and aesthetic disorders.
14.	Inborn and acquired disorders in plastic surgery. Demonstration of patients with diseases mentioned above, before surgery, during and after surgery.	Inborn and acquired disorders in plastic surgery. Complete care about facial cleft, surgical treatment of inborn disorders of the extremities, specially of the hand, reconstructive surgery of hypospadias and another disorders of the genitalia. Hand surgery (surgical repair of injured hand and consequences of hand injuries).