

**THEMATIC PLAN OF PRACTICAL CLASSES  
ON FACULTY SURGERY  
FOR STUDENTS OF THE IV<sup>th</sup> COURSE FOR THE SPRING SEMESTER  
(8<sup>th</sup> semester)**

1. POSTCHOLECYSTECTOMY SYNDROME.
2. DISEASES AND DAMAGE TO THE ESOPHAGUS.
3. DISEASES OF THE THYROID GLAND.
4. DISEASES OF THE MAMMARY GLAND.
5. DISEASES OF THE SMALL INTESTINE, LARGE INTESTINE AND RECTUM.
6. DISEASES OF THE MEDIASTINUM AND DIAPHRAGM.
7. DISEASES OF LUNGS AND PLEVERS.

## **LESSON № 1**

### **TOPIC: *POSTCHOLECYSTECTOMY SYNDROME.***

1. Postcholecystectomy syndrome: definition of the concept.
2. Classification.
3. Clinical picture, diagnosis.
4. Differential diagnosis, treatment.
5. Damage to the bile duct: classification, causes, clinical picture, diagnosis, treatment.

## **LESSON № 2**

### **TOPIC: *DISEASES AND DAMAGE OF THE ESOPHAGUS.***

1. Anatomical and physiological information about the esophagus.
2. Classification of diseases of the esophagus, special methods of examination.
3. General symptomatology of the pathology of the esophagus.
4. Chemical burn of the esophagus: prevalence, classification depending on the depth of the lesion, the stage of the pathoanatomical process, etiopathogenesis.
5. Clinical picture of chemical burn of the esophagus, diagnosis, differential diagnosis.
6. Treatment of esophagus burns.
7. Complications of esophagus burns (early and late): clinical picture, diagnosis, treatment.
8. Neuromuscular diseases of the esophagus. Cardiospasm (cardiac achalasia): classification, etiopathogenesis, clinical picture, diagnosis, treatment, indications for surgical treatment, types of operation.
9. Chhalasia cardia: classification, etiopathogenesis, clinical picture, diagnosis, treatment, indications for surgical treatment, types of surgery.
10. Diverticulum of the esophagus: classification, clinical picture, diagnosis, indications for surgical treatment, options for surgery.
11. Foreign bodies of the esophagus: clinical picture, diagnosis, treatment.
12. Benign tumors of the esophagus: clinical picture, diagnosis, indications for surgical treatment.
13. Traumatic injuries of the esophagus: causes, clinical picture, diagnosis, treatment principles.
14. Spontaneous rupture of the esophagus.

## **LESSON № 3**

### **TOPIC: DISEASES OF THE THYROID GLAND**

1. Anatomical and physiological information about the thyroid gland.
2. Non-toxic (euthyroid goiter): etiopathogenesis, clinical picture, diagnosis, indications for surgical treatment, types of operations.
3. Toxic goiter: etiopathogenesis, clinical picture, diagnosis, indications for surgical treatment, types of operations.
4. Diffuse toxic goiter: etiopathogenesis, clinical picture, diagnosis, indications for surgical treatment, types of operations.
5. Thyroiditis. Chronic autoimmune thyroiditis (goiter of Hashimoto): etiopathogenesis, clinical picture, diagnosis, indications for surgical treatment, types of operations.
6. Chronic fibrotic thyroiditis (Riedel's thyroiditis): etiopathogenesis, clinical picture, diagnosis.

## **LESSON № 4**

### **TOPIC: DISEASES OF THE MAMMARY GLAND.**

1. Anatomical and physiological information about the mammary gland.
2. Classification of diseases of the mammary gland.
3. Anomalies in the development of the mammary gland: clinical picture, diagnosis, differential diagnosis, treatment.
4. Inflammatory diseases of the mammary gland (specific and nonspecific): clinical picture, diagnosis, treatment.
5. Mammary gland damage: clinical picture, diagnosis, treatment.
6. Dyshormonal and functional diseases of mammary glands: clinical picture, diagnosis, differential diagnosis, treatment.
7. Dyshormonal diseases of the mammary gland. Mastopathy: diffuse, nodular, etc. Etiology, classification, clinic, diagnosis, treatment. Prevention. Gynecomastia.
8. Benign breast diseases: adenoma, fibroadenoma, etc. Etiology, clinic, diagnostics, treatment.

## **LESSON № 5**

### **TOPIC: DISEASES OF A SMALL INTESTINE, COLON AND RECTUM.**

1. Crohn's disease: clinical picture, diagnosis, differential diagnosis, principles of conservative treatment, indications for surgical treatment, types of operations.
2. Diverticulum of the small intestine: prevalence, etiopathogenesis, clinical picture, diagnosis, treatment, complications of diseases of the small intestine.
3. Nonspecific ulcerative colitis: clinical picture, diagnosis, conservative treatment, indications for surgical treatment, types of operations.
4. Diverticular disease of the colon: definition, etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment.
5. Complications of diverticular disease of the colon: clinical picture, diagnosis, differential diagnosis, treatment.
6. Intestinal fistulas: definition, etiopathogenesis, classification by etiology, morphology, localization, clinical picture, diagnosis, treatment, indications for surgical treatment, types of operations.
7. Anatomico-physiological information about the rectum.
8. Classification of diseases of the rectum. Special methods of examination in proctology.
9. Hemorrhoids: definition of the concept, classification, etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment, indications for various treatment options. Complications of hemorrhoids.
10. Anal fissure: etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment.
11. Acute paraproctitis: etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment.
12. Chronic paraproctitis (fistulas of the rectum): etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment.
13. Pilonidal cyst: etiopathogenesis, clinical picture, diagnosis, differential diagnosis, treatment.
14. Rectal prolapse: definition of the concept, etiopathogenesis, clinical picture, diagnosis, treatment, options for surgical interventions.

15. Etiology, mechanisms of pathogenesis, features of clinical picture of intestinal bleeding. Early and late signs of intestinal bleeding.

16. Differential diagnosis of gastroduodenal and colon bleeding.

17. Principles of conservative treatment, indications for surgery, types of surgical interventions for intestinal bleeding.

## **LESSON № 6**

### **TOPIC: DISEASES OF THE MEDIASTINUM.**

1. Topographic anatomy of the mediastinum.

2. Classification, etiology, clinical picture, diagnosis, differential diagnosis of mediastinitis.

3. Principles of treatment of mediastinitis of different etiology. Rules and methods of drainage of the mediastinum.

4. Tumors of the anterior mediastinum (dermoid cysts, thymomas, connective tissue tumors): etiology, pathological anatomy, diagnostics, surgical treatment.

5. Tumors of the posterior mediastinum (neurinomas, vascular tumors, bronchogenic cysts, pericardial cysts): etiology, pathological anatomy, diagnosis, treatment.

6. Anatomical and physiological information about the diaphragm.

7. Classification of diseases of the diaphragm.

8. Damage and injury to the diaphragm: causes, clinical picture, diagnosis, treatment.

9. Diaphragmatic hernia: classification, etiopathogenesis, clinical picture, diagnosis, treatment.

10. Relaxation of the diaphragm: etiology, pathogenesis, clinical picture, diagnosis, treatment.

## **LESSON № 7**

### **TOPIC: DISEASES OF LUNGS AND PLEURA.**

1. Anatomical and physiological information about the lungs and pleura.
2. Spontaneous pneumothorax: classification, clinical course, diagnosis, treatment.
3. Suppurative diseases of the lungs and pleura: classification, etiology, pathogenesis.
4. Acute abscess of the lung and gangrene of the lung: the way of origin, mechanisms of development, clinical course, diagnosis.
5. Complications of acute pulmonary suppuration: diagnosis, differential diagnosis, treatment principles, indications for surgical treatment, types of interventions.
6. Chronic lung abscesses: developmental pathways, clinical course, diagnosis, differential diagnosis, treatment.
7. Acute empyema of the pleura and pyopneumothorax: epidemiology, clinical course, diagnosis, differential diagnosis. Treatment of acute empyema: general principles, indications for surgical treatment, types of interventions.
8. Chronic pleural empyema: clinical course, diagnosis, treatment.
9. Bronchial fistulas: classification, etiology, pathogenesis, clinical course, diagnosis, treatment (conservative, indications for surgical treatment, types of operations).
10. Bronchoectatic disease: classification, indications for surgical treatment.
11. Cysts of the lung: etiology, clinical picture, diagnosis, indications for surgical treatment, types of operations.
12. Modern minimally invasive methods of treatment of diseases of the lungs and pleura.