

MEDICAL UNIVERSITY
OF BIALYSTOK



SURGERY SYLLABUS

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(first name and surname)

Year 3 (semester 5/6)	lectures	seminars	classes
1st Department of General and Endocrinological Surgery			
2nd Department of General and Gastroenterological Surgery			
Year 4 (semester 7/8)	lectures	seminars	classes
1st Department of General and Endocrinological Surgery			
2nd Department of General and Gastroenterological Surgery			
Year 5 (semester 9/10)	lectures	seminars	classes
Department of Thoracic Surgery			
Department of Vascular Surgery and Transplantation			
Department of Cardiac Surgery			
Year 6 (semester 11/12)	seminars		classes
1st Department of General and Endocrinological Surgery			
2nd Department of General and Gastroenterological Surgery			
Department of Thoracic Surgery			
Department of Vascular Surgery and Transplantation			
Department of Cardiac Surgery			

RECOMMENDED BOOKS:

- Garden O.J. Principles and Practice of Surgery, 2012 Elsevier
- Becker J.M., Stucchi A.F. Essentials of Surgery, PhD, 2006 Saunders/Elsevier

1st Department of General and Endocrinological Surgery

Year 3 semester 5 / 6

LECTURES

Peritonitis. Acute appendicitis.

Hypovolemic shock. Bleeding from gastrointestinal system.

Bowel obstruction.

Abdominal hernia. Diagnostics, symptoms, complications, treatment.

Complications of peptic ulcer disease.

Diverticular disease.

SEMINARS

Symptomatology of surgical diseases. Differential diagnosis in surgery.

Wound healing pathophysiology. Basic surgical tools.

Modern wound closure materials. Wound management. Disposal of contaminated and sharp materials.

Additional tests in surgery, interpretation of results.

Preparation of the patient to surgery. Perioperative care. ERAS.

CLASSES

Classes at the bedside. Medical history taking and physical examination.

Case presentation.

Referring of history and physical examination.

Surgical scrubbing.

Putting on surgical gloves technique.

Surgical suturing techniques.

Credit:

Please send any comments to: piotr.a.mysliwiec@gmail.com

2nd Department of General and Gastroenterological Surgery

Year 3 semester 5 / 6

LECTURES

Septic shock.

Gallstones. Diagnostics, symptoms, complications, treatment.

Acute pancreatitis. Chronic pancreatitis.

Benign diseases of gastrointestinal system.

Principles of nutritional treatment in surgical patients.

Burns and frostbites.

SEMINARS

Clinical examination in surgery. History taking and physical examination.

Aseptics and antiseptics. Wound infections. Soft tissues infections.

Water-electrolyte disturbances.

Patient information and informed consent taking for the operation.

Surgical liver diseases.

CLASSES

Classes at the bedside. Medical history taking and physical examination.

Assessment of nutritional status.

Case presentation.

Referring of history and physical examination.

Nasogastric tube insertion technique. Peritoneocentesis technique.

Rectal digital examination technique.

Credit:

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1st Department of General and Endocrinological Surgery

Year 4 semester 7 / 8

LECTURES

Thyroid gland diseases.

Parathyroid gland diseases.

Adrenal gland diseases.

Neuroendocrine tumors of gastrointestinal system. Multiple endocrine neoplasia.

Videosurgery – minimally invasive operations

SEMINARS

Emergency management, monitoring and treatment of shock.

Multi-organ trauma. Abdominal trauma.

Metabolic and bariatric surgery.

Complications of metabolic and bariatric surgery.

Complications of endocrinological surgery.

CLASSES

Classes at the bedside. Medical history taking and physical examination.

Case presentation.

Classes at the Department, operating room, Outpatient Department, A&E.

Assisting to the operations.

Dressing changing, suture removal, drain removal.

Individual writing of medical history.

Credit:

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2nd Department of General and Gastroenterological Surgery

Year 4 semester 7 / 8

LECTURES

Pancreatic neoplasms.

Biliary tracts neoplasms.

Liver neoplasms.

Colorectal neoplasms.

Breast tumors.

SEMINARS

Gastric cancer – epidemiology, symptoms, diagnosis and treatment.

Genetically determined neoplastic disease, familial incidence of neoplasms.

Anal diseases.

Management of infected wounds, fistulas. Negative pressure therapy.

Complications in gastroenterological surgery.

CLASSES

Classes at the bedside. Medical history taking and physical examination.

Case presentation.

Classes at the Department, operating room, Outpatient Department, A&E.

Assisting to the operations.

Dressing changing, suture removal, drain removal.

Individual writing of medical history.

Credit:

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Department of Vascular Surgery and Transplantation

Year 5 semester 9 / 10

LECTURES

Chronic arterial insufficiency - pathogenesis, symptoms, diagnostics and management.

Chronic venous insufficiency. Venous thromboembolic disease.

Acute limb ischemia. Trauma of peripheral vessels.

Abdominal aortic aneurysms - pathogenesis and diagnostics. Aortic dissection.

Basics of transplantology.

SEMINARS

Clinical examination in vascular surgery.

Extracranial vascular diseases.

Renovascular hypertension.

Arterial compression syndromes. Vasomotor dysfunction.

Endovascular surgery techniques.

CLASSES

Classes at the bedside. Assessment of peripheral pulses.

Symptoms of arterial and venous diseases.

Imaging in vascular surgery.

Operative techniques – video presentations.

Classes at the Department, operating room, Outpatient Department, A&E.

Credit:

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Department of Thoracic Surgery

Year 5 semester 9 / 10

LECTURES

Lung cancer: epidemiology, pathogenesis and clinical picture. TNM classification, diagnostics and management.

Oesophagus diseases.

Mediastinal tumors.

Chest trauma: epidemiology, diagnostics and emergency and final management.

Suppurative lung and pleura diseases: lung abscess and empyema of the pleural cavity; surgical treatment methods.

CLASSES

Bullous emphysema. Spontaneous pneumothorax.

Pleural effusions.

Diaphragmatic hernia.

Congenital and acquired defects of the chest wall. Pulmonary tuberculosis.

CLASSES

Classes at the bedside. Clinical examination in thoracic surgery.

Technique of thoracentesis (pleural puncture) and chest drainage.

Management of cardiac tamponade.

Imaging in thoracic surgery.

Classes at the Department, operating room, Outpatient Department, A&E.

Credit:

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Year 6 semester 11 / 12

CREDIT

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and Endocrinological Surgery

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Department of Thoracic Surgery

Department of Vascular Surgery
and Transplantation

Department of Cardiac Surgery

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DUTIES

DATE

SIGNATURE

1st Department of General
and Endocrinological Surgery

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and Gastroenterological Surgery

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Department of Vascular Surgery
and Transplantation

PRACTICAL EXAM

Patient – disease:

Note Signature

BIALYSTOK 2017/2018