



Vascular, General and Transplantology Surgery	12													
Department of Neurosurgery				5										
Summer Semester														
Department of Vascular, General and Transplantation Surgery	10			25										
Department of General, Gastroenterological and Endocrine Surgery	12													
Department of Neurosurgery				5										
Total per year	44			60										
Educational objectives (max. 6 items)														
FC1. Students get acquainted with the knowledge of symptomatology of the main surgical diseases of abdominal and vascular surgery.														
FC2. Students get acquainted with the possibilities of modern diagnostic procedures in emergency and chronic diseases and vascular procedures.														
FC3. Students get acquainted with surgical terminology, surgical instruments and bandage techniques (desmurgy).														
FC4. Students get acquainted with the knowledge of classification for emergency and planned surgical procedures.														
FC5. Students get acquainted with principles of modern aseptic and antiseptic procedures and antibiotic therapy, surgeons preoperative proceedings such as: preparation of the surgical site and anticoagulation prophylaxis.														
FC6. Students get acquainted with the principles of perioperative safety for emergency and planned surgeries.														
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class														
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to			Methods of verification of intended education results (forming and summarising)			Form of didactic class <i>**enter the abbreviation</i>						
W 01	FW1	Student has the knowledge of symptoms and principles of diagnosis of abdominal and vascular surgery.			Oral test. Knowledge from both winter and summer semester is compulsory.			Lectures and classes						
W 02	FW2	Student has the basic knowledge of symptoms of surgical diseases that requires operation.			Student can discuss and explain methods of surgical									



			treatment of patients showing during classes and lectures.	
W 03	FW3	Student can explain pathology and epidemiology of gastroenterological neoplastic diseases.		
W 04	FW4	Student knows and understands qualification rules for surgery, general and local anesthesia, as well as how to monitor vital signs after surgery.		
W 05	FW5	Student has the knowledge about surgical complications after general and vascular surgical procedures.		
U01	FU1	Student knows how to assist and assists at the surgery, knows how to prepare operation area, knows how to perform local anesthesia of a simple wound and how to apply stitches.		
U02	FU2	Student knows how to: incise skin abscess (under supervision of a teacher), rinse the wound, apply the drainage to the wound, put the bandage on, take the sutures off, stop the bleeding, immobilize the bone fracture.		
U03	FU3	Student knows how to use the basic surgical instruments to debridement of the wound.		
U04	FU4	Student knows how to deal with simple wound, change surgical dressing		
U05	FU5	Student knows how to put venous peripheral catheter		

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes:

Knowledge: .5...

Skills: ...4.

Social competences:Not applicable

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	104
2. Student's own work (self-study):	30
Total student's workload	134
ECTS points for module/course	5
Comments	
Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)	
<p style="text-align: center;">Topics of lectures for ED students, year IV, academic year 2017/2018 winter semester. Monday 14.30.-16.00.</p> <p style="text-align: center;">Department of Vascular, General and Transplantation Surgery</p> <p>Lecture 1. Current achievement in modern surgery. 06.11.2017 Prof. J.Skóra.</p> <p>Lecture 2. Chronic and acute ischemia of organs. 13.11.2017. Prof. J.Skóra.</p> <p>Lecture 3. Transplantology and organs donation. Liver surgery. 20.11.2017. Dr P.Chudoba.</p> <p>Lecture 4. Varicose vein and lymphatic diseases. 27.11..2017 Prof. A.Dorobisz.</p> <p>Lecture 5. Vein embolism after vascular procedures. 04.12.2017. Prof. A.Dorobisz.</p> <p>Lecture 6. Infections in vascular surgery.11.12.2017. Prof .J.Skóra.</p> <p style="text-align: center;">1st Department of General, Gastroenterological and Endocrine Surgery</p> <p>Lecture 7. Gastrointestinal disorders. Surgery of the stomach and duodenum. 02.10.2017.- Dr P.Czopnik.</p> <p>Lecture 8. Gastrointestinal disorders. Pancreatic and biliary diseases. 09.10.2017 -P.Czopnik</p> <p>Lecture 9. Acute abdominal diseases part 1. 16.10.2017.- K.Sutkowski.</p> <p>Lecture 10. Acute abdominal diseases part 2. 23.10.2017- K.Sutkowski.</p> <p>Lecture 11. Endocrine surgery. Thyroid and parathyroid glands surgery. Surgery of suprarenal glands. 30.10.2017 -Dr hab.P. Domosławski.</p> <p>Lectures 1-6 are localized at the Department of Vascular Surgery at 213 Borowska Str.</p> <p>Lectures 7-11 are localized at the 1st Department of General, Gastroenterological and Endocrine Surgery. At 66 Sklodowska Str.</p>	

**Topics of lectures for ED students year IV, academic year 2017/18,
Summer semester. Friday 13.30-15.00**

1st Department of General Surgery, Gastroenterological and Endocrine Surgery

Lecture 1. Colorectal surgery. 06.04.2018.- Dr P.Czopnik.

Lecture 2. Inflammatory bowel diseases. Crohn's and ulcerative colitis. 13.04.2018.- Dr P. Czopnik.

Lecture 3. Hernias of the abdominal walls. 20.04.2018 -Dr hab. P. Domostawski.

Lecture 4. Bariatric surgery. 27.04.2018 - Dr K. Sutkowski.

Lecture 5. Endocrine tumours of gastrointestinal tract. 11.05.2018 - Dr K. Kaliszewski.

Lecture 6. Modern feeding in surgery.18.05.2018.- Dr K. Sutkowski

**Department of Vascular, General and Transplantation Surgery
Wednesday-14.00-15.30**

Lecture 7. Aortic aneurysms. 09.05.2018 - Prof. Jan Skóra.

Lecture 8. Vasomotoric diseases. 16.05.2018.- Prof. Jan Skóra.

Lecture 9. Traumatic injuries of vessels. 23.05.2018. -Prof. Jan Skóra

Lecture 10. Minimal invasive endovascular surgery. 30.05.2018. -Prof. Artur Pupka

Lecture 11. Surgery of cranial arterias. 06.06.2018.- Prof. Artur Pupka

Lectures 1-6 - are localized at the 1st Department of General, Gastroenterological and Endocrine Surgery at 66 Sklodowska Str.

Lectures 7-11 - are localized at Department of Vascular Surgery at 213 Borowska Str.

Seminars- not applicable

- 1.
- 2.
- 3.

Practical classes .

Classes Topics of general surgery, winter 2017 / 2018 for ED and ER students.

The detailed programme of patient's bedside practice in surgery is as follows:

Subject 1.

Organization of surgical unit. Infections in surgery. Principles of antibiotic therapy. Aseptic and



antiseptic procedures . Surgeon's preoperative proceeding: washing hands, preparation of the surgical area, surgical clothes. Legal regulations of the surgical ward. Patient's rights and duties. Patient's informed consent for surgical procedures. Diagnostic tests. Information about patient's health, professional secrecy.

Case history. Examination of the patient. Handling with medical records.

Subject 2.

Surgical instruments. The technique of surgical sutures. Hand-sewn sutures and stapling techniques. Vascular prostheses and biomaterials. Surgical terminology. Bandage techniques (desmurgy). Strains and sprains (dislocation of joints. Bone fractures. Handling with multiorgan injuries. Vascular injuries. Vascular complications of bone fractures. First aid at the place of accident. Transportation of the patient to the hospital.

Case history. Examination of the patient. Handling with medical records.

Subject 3.

Diagnostics and therapy of shock in surgery. Handling with hemorrhage, burns and frostbites. Assessment of state of patient's consciousness (Glasgow Coma Scale). Classification of wounds. The process of wound healing. Surgical treatment of wounds. General and local infections in surgical patients: sepsis , paronychia, panaritium, abscess, phlegmon, empyema.

Case history. Examination of the patient. Handling with medical records.

Subject 4.

Neurosurgery Department. Basic knowledge of general surgery in neurosurgery. Cranio-encephalic trauma. Principles of neurosurgical injuries treatment. Microsurgical techniques in neurosurgery: sewing principles of meninges, vessels and nerves. Cranial bones fractures and methods of treatment. Case history. Examination of the patients. Handling with medical records.

Subject 5.

The principles of clinical nutrition. Nutritional therapy (enteral and parenteral nutrition). Assessment of patient's nutritional state. Preoperative procedures in surgical patient. Large bowel preparation, gastric intubation, urine bladder catheterisation. Perioperative risc factors in surgery. Principles of surgical drainage therapy: downward drainage, suction drainage, irrigation drainage, open vs closed drainage.

Case history. Examination of the patient. Handling with medical records.

Subject 6.

Wound- related infections: tetanus, gas gangrene, erysipelas.

Case history. Examination of the patient. Handling with medical records.

Topics of general surgery, summer 2017 / 2018 for ED students and ER students.

The detailed programme of patient's bedside practice in surgery is as follows:

Subject 1.

Diseases of upper part of alimentary tract. Peptic ulcer disease of stomach and duodenum. Acute gastritis, gastric cancer, precancerous diseases. Peptic ulcer perforation, bleeding from upper



part of alimentary tract. Modern diagnostic examinations and surgical treatment of upper alimentary tract diseases.

Examination of the patient. Patient's documentation. Film.

Subject 2.

Diseases of liver, bile ducts and pancreas (liver tumours, portal hypertension, gallstones of gallbladder and bile ducts, jaundice, acute and chronic pancreatitis). Pancreatic cancer. Surgical treatment of pancreas and bile duct diseases. Modern diagnostic examinations in liver, pancreas and bile ducts diseases.

Examination of the patient. Patient's documentation. Film.

Subject 3.

Large bowel diseases. Polyps, benign and malignant tumours of the colon, rectum and anus. Diagnosis and treatment of diverticular disease of the colon. Adenomatous familial polyposis. Inflammatory bowel diseases ulcerative colitis, Crohn's disease.

Examination of the patient. Patient's documentation. Film.

Subject 4.

Neurosurgery Department. Technical aspects of general surgery in neurosurgery. Intracranial posttraumatic haematomas. Basic techniques and access using in neurosurgery : craniotomy, craniectomy , laminectomy, laminotomy, minimal invasive accesses .

Examination of the patient. Patient's documentation. Film.

Subject 5.

Acute diseases of abdominal cavity (limited and diffuse peritonitis). Appendicitis. Bowel obstruction. Hernias, obstructed hernias. Intestinal fistulas. Peritoneal abscesses. Modern diagnostic in abdominal surgery.

Examinations of the patient. Patient's documentation. Film.

Subject 6.

Thyroid gland diseases. Diseases of parathyroid, suprarenal and mammal glands. Nodular goitre Hypothyreosis. Graves disease, Hashimoto syndrom. Thyroid, suprarenal and mamma neoplasms. New diagnostic methods used in thyroid, suprarenal diseases. Surgical procedures.

Examinations of the patient. Patient's documentation. Film.

Other

- 1.
 - 2.
 - 3.
- etc. ...

Basic literature (list according to importance, no more than 3 items)

1. *Principles and practice of surgery-O. James Garden at all, six ed. 2012*
2. *Surgery, Bruce E., Jarrel, R. Carabasi*
3. *Oxford handbook of clinical surgery- G. R. Mc Latchie*

Additional literature and other materials (no more than 3 items)

1. *Advances in minimally invasive surgery-D.K. Andersen*



Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	
TV, video, projector, department of radiology, ultrasonography, emergency room, operating room	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course)	
<ul style="list-style-type: none"> - can manage basic principles of diagnosis of surgical diseases, can discuss them during classes, - can immobilize fracture, stop the bleeding and dress the wound, - can manage the wound and take the sutures off, - is ready to discuss all the methods of surgical treatment of patients and procedures which were studied during classes and lectures, - is ready to fix indication to the surgical treatment of patient with acute abdominal and vascular diseases, - has the knowledge about differential diagnosis of surgical diseases discussed during classes and is ready to mention surgical treatment of them, - is ready to sew up a wound under supervision of the teacher, - has a basic knowledge concerning local anaesthetization of the wound and their complications (minimal terms and conditions required before the student commences the course).	
Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)	
Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	Not applicable
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name and address of unit conducting the course, contact information: telephone and e-mail

- 1st Department of General, Gastroenterological and Endocrine Surgery at 66 Skłodowska Str., Wrocław, tel. 71 784 21 67, domoslowski.pawel@umed.wroc.pl

- Department of Vascular, General and Transplantation Surgery at 213 Borowska Str., Wrocław, tel. 71 733 20 00, artur.pupka@umed.wroc.pl

- Department of Neurosurgery at 213 Borowska str., Wrocław, tel. 71 734 34 00, artur.weiser@umed.wroc.pl



The list of teachers performing the classes: Name and Surname, academic or professional degree/title, field of study, occupation, type of classes:

1st Department of General, Gastroenterological and Endocrine Surgery

- 1 Dr Piotr Czopnik, adiunct, master of surgery, classes, lectures
- 2 Dr Romualda Wojczyk, lecturer assistant, master of surgery, classes
- 3 Dr Beata Wojtczak, adiunct, master of surgery, classes
- 4 Dr Krzysztof Sutkowski, adiunct, master of surgery, classes, lectures
- 5 Dr hab. Paweł Domosiłowski, head of Department, master of surgery, classes, lectures
- 6 Dr Krzysztof Kaliszewski, master of surgery, classes
- 7 Lek. Michał Aporowicz – junior assistant, classes

Department of Vascular, General and Transplantation Surgery

- 1 Prof. dr Jan Skóra, master of vascular surgery-lectures
- 2- Prof. dr Artur Pupka, master of vascular surgery- lectures
- 3 Dr Przemysław Szyber ,master of surgery, adiunct, classes
- 4 Dr Tomasz Dawiskiba, master of surgery ,adiunct, classes
- 5 Dr Paweł Chudoba, master of vascular surgery, adiunct, classes

Department of Neurosurgery

- 1 Dr Paweł Tabakov, master of neurosurgery -classes
- 2 Dr Artur Weiser, master of neurosurgery – classes
- 3 Dr Rafał Załuski, master of neurosurgery - classes

Date of Syllabus development

30.06.2017

Syllabus developed by

Dr Zdzisław Forkasiewicz

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
I KATEDRA I KLINIKA CHIRURGII OGÓLNEJ,
GASTROENTEROLOGII I ENDOKRYNOLOGICZNEJ
Dr hab. Paweł Domosiłowski
kierownik

dr hab. n. med. Paweł Domosiłowski



UNIwersYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCLAWIU

Appendix 5
to Resolution No. 15630
of Senate of Wrocław Medical University
of 30 March 2016

Signature of Faculty Dean

University
FACULTY OF MEDICINE
VICE DEAN FOR STUDIES IN ENGLISH

Prof. Andrzej Hendrich, PhD