
Course title: SURGERY 2

ECTS credit allocation (and other scores): 3

Semester: autumn

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: classes:45, Lecture:10

Course coordinator/ Department and e-mail: Dr hab. n. med. Maciej Michalik, Prof. UWM

Type of classes: classes and lectures

Substantive content

CLASSES: General Surgery: Modern Management of Inguinal Hernia , Appendix and Acute Abdomen, Modern Management of Obesity, Acute Appendicitis, Gallstones: Gallbladder and Bile Duct, Stomach and Esophageal Cancers, Hemorrhagic Shock,

Gastrointestinal Obstruction Pediatric surgery: Symptomatology, diagnostics and surgical treatment in childhood with particular emphasis on subjective and objective examination, Differences surgical acute abdominal disorders in children, Purulent inflammation of the skin and subcutaneous tissue.

Vascular surgery: Chronic wounds and ulcers - treatment (arterial and venous ulcers), Modern dressings - type, mechanism of action, Infection of surgical site: superficial and deep., Analysis of the risk of infection, Preparation of the patient for surgery and post-operative care, monitoring, (malnutrition, parenteral nutrition and enteral), biochemistry, the term operational risk

LECTURES: Thyroid Gland. The Spleen. Neoplasms of the Exocrine Pancreas. Ileus and Bowel Obstruction. Gastroduodenal Ulceration

Learning purpose: Student is to assess the general condition of a patient, can recognize life-threatening surgical issues. Student's obligation is to recognize and diagnose oncological disease that requires treatment in various stages in order to turn the patient for appropriate treatment. Student has to be acknowledged with early oncological diagnostics of surgical diseases. The next obligation is being able to recognize malicious/benign tumour. The student is to know how to treat malicious tumours and complications of oncological disease. The next requirement is being in possession of knowledge how to treat with usage of blood. The student must know the procedure of blood and blood products transfusion. The student has to be acquainted with the procedure of treatment of complications that occurred after the transfusion. The student respects the patients and medical staff. The student knows indications and contraindications of cardiac intervention. The student has to participate in surgeries

On completion of the study programme the graduate will gain:

Knowledge: W1 - The student knows and understands the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases requiring surgical intervention, taking into account the differences of childhood, including in particular: a) acute and chronic diseases of the abdominal cavity, b) the diseases of the chest, c) limbs and head diseases, d) bone fractures and injuries of organs

W10 - knows basically the problems of interventional transplantology, indications for transplantation of irreversibly damaged ones organs and tissues and related procedures

W2 – The student knows the symptoms, principles of diagnosis and management of the most common pediatric surgery conditions

W3 - The student correctly qualifies patients for surgery and invasive procedures

W4 – The student knows the most common complications of the above mentioned treatments and procedures

W5 – The student knows the safety rules perioperative, preparing a patient for surgery, anesthesia general and local and controlled sedation

W6 – The student knows the treatment of post-operative analgesic therapy and monitoring postoperative

W7 – The student knows the principles of intensive care in serious conditions

W8 – The student knows the current guidelines for cardiopulmonary resuscitation in all age groups

W9 - The student knows the rules of the EMS system in Poland

Skills:

U1 - conducting a medical interview with an adult patient

U2 - Conducting a medical interview with a child and his family

U3 - conducting a complete physical examination of an adult patient

U4 - Recognizing urgent medical conditions

U5 - planning diagnostic, therapeutic and preventive procedures

Social Competencies:

K1- The student is able to establish and keep a profound and respectful relationship with a patient.

K2- The student is oriented towards the patient's benefit and recognizes it as a top value.

K3 – The student observes patient privacy and patient rights.

K4 - The student is aware of his own limitations and the ability to lifelong learning.

Basic literature: M. W. Mulholland, K. D. Lillemoe, G. M. Doherty, Greenfield's Surgery: Scientific Principles and Practice",,, wyd. Wolters Kluwer/Lippincott Williams & Wilkins,

Supplementary literature: Courtney M. Townsend, R. Daniel Beauchamp, Mark Evers, Chirurgia Sabistona, wyd. Urban& Partner , 2011

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 55

Student's independent work: 18