

<b>Program of Study</b>	:	General Medicine
<b>Course</b>	:	Surgery 1
<b>Abbreviation</b>	:	<b>CH1/VA012</b> (4 weeks)
<b>Schedule</b>	:	26 hours of seminars 100 hours of practical trainings
<b>Course Distribution</b>	:	<b>4<sup>th</sup> year</b>
<b>Number of Credits</b>	:	6
<b>Course Form</b>	:	Seminars, practical trainings

### Seminars:

**Teachers:** **MUDr. Katherine Vomáčková, Ph.D.**  
 Prof. MUDr. Roman Havlík, Ph.D.  
 Doc. MUDr. Pavel Dráč, Ph.D.  
 Doc. MUDr. Martin Loveček, Ph.D.  
 MUDr. Linda Bébarová, Ph.D.  
 MUDr. Petr Dráč, Ph.D.  
 MUDr. Josef Chudáček, Ph.D.  
 MUDr. Julia Jaroščiaková  
 MUDr. Tomáš Malý, Ph.D.  
 MUDr. Markéta Mocňáková, Ph.D.  
 MUDr. et Mgr. Pavel Skalický, Ph.D.  
 MUDr. Martin Stašek, Ph.D.  
 MUDr. Martin Šimek, Ph.D.  
 MUDr. Petr Špička, Ph.D.

**Terms:** **Block A1 18. 10. 2021 – 12. 11. 2021**

**Block A2 14. 02. 2022 – 11. 03. 2022**

### Study :

Subject	Hours	Teacher
1. Introduction to surgery, history of surgery	2	Vomáčková
2. Sepsis and SIRS, shock, wound healing	2	Bébarová
3. Lower GI tract – small intestine, large intestine, anorectum	2	Skalický
4. The breast	2	Vomáčková
5. Upper GI tract – oesophagus, stomach, duodenum, diaphragm	2	Loveček
6. Hernias and lesions of the abdominal wall	2	Vomáčková
7. Thoracic surgery – lung, thoracic wall, pleura and mediastinum	2	Chudáček
8. Acute abdomen- classification, symptoms, diagnosis,	2	Špička

treatment		
9. Surgical endoscopy, GI bleeding, minimally invasive procedures	2	Stašek
10. Paediatric surgery	2	Malý
11. Biliary tract, pancreas	2	Havlík/Loveček
12. Liver, spleen, portal hypertension	2	Havlík/ Loveček
13. Oncosurgery, cancer therapy, HIPEC	2	Chudáček
14. Fracture healing, open fractures and compartment syndrome	2	Dráč
15. Thoracic and abdominal trauma	2	Dráč
16. Cardiac surgery	2	Šimek
17. Vascular surgery, diseases of arteries and veins	2	Jaroščíaková
18. Transplantations	2	Dráč
19. Thyroid, parathyroid glands and adrenals	2	Mocňáková

### Practical trainings:

Teachers: **MUDr. Katherine Vomáčková, Ph.D.**  
 Doc. MUDr. Pavel Dráč, Ph.D.  
 Doc. MUDr. Martin Loveček, Ph.D.  
 MUDr. Linda Bébarová, Ph.D.  
 MUDr. Petr Dráč, Ph.D.  
 MUDr. Michal Gregořík  
 MUDr. et MDDr. Jan Hanuliak  
 MUDr. Josef Chudáček, Ph.D.  
 MUDr. Jiří Kysučan, Ph.D.  
 MUDr. Markéta Mocňáková, Ph.D.  
 MUDr. Juraj Riško  
 MUDr. et Mgr. Pavel Skalický, Ph.D.  
 MUDr. Martin Stašek, Ph.D.  
 MUDr. Martin Šimek, Ph.D.  
 MUDr. Petr Špička, Ph.D.

**Study:** Block

Subject	Hours	Teacher
1. Introduction to surgery, the surgical clinic, wards, out-patients, ICU, theatres	5	Vomáčková, Stašek, Riško
2. Surgical patient, history, diagnostic work-up, surgical medical documentation, examination at wards, operating room	5	Vomáčková, Stašek, Riško
3. Physical examination of patients with acute abdomen, examination on abdominal simulators ( <i>Aesculap academy</i> )	5	Špička
4. Perioperative management, postoperative complications, thromboembolic disease	5	Riško
5. Intensive care unit, monitoring, central venous line, CVP, wound healing	5	Bébarová

6. Chest drains, pneumothorax, examination of patients with lung cancer	5	Chudáček
7. Basic surgical techniques, knotting, surgical instruments	5	Hanuliak
8. Minimal invasive surgery, robotic surgery	5	Skalický, Loveček
9. Gastrointestinal bleeding, surgical endoscopies	5	Štašek
10. Surgical infections, hand infections, gas gangrene, tetanus, antibiotic in surgery	5	Štašek
11. Paediatric surgery, examination of paediatric patients	5	Kysučan
12. Small surgical procedures, extirpation, resection, tracheostomy, etc.	5	Vomáčková/Riško
13. Surgical instruments, operating theatre, basic surgical procedures	5	Gregořík
14. Traumatology of the upper limb	5	Dráč
15. Traumatology of the lower limb	5	Dráč
16. Cardiac surgery	5	Šimek
17. Varicose veins, DVT, postphlebotic syndrome	5	Jaroščíaková
18. Transplant surgery	5	Dráč
19. Vascular surgery	5	Dráč
20. Endocrine surgery, thyroid, parathyroid, adrenals	5	Mocňáková

**Completed by** : Colloquium

**Requirements** : Full attendance of practical trainings and lectures, good knowledge of the subject

**Literature** :

Burkitt BH, Quick CRG, Reed JB, et al. Essential Surgery, Problems, diagnosis and management, 5th ed. Churchill & Livingstone, Elsevier. 2014

Garden OJ, Bradbury AW, Forsythe JLR, Parks RW, et al., Principles and Practice in Surgery, 6th. Ed. Churchill & Livingstone, Elsevier. 2012

Dandy DJ, Edwards DJ. Dandy DJ, Edwards DJ. Essential Orthopaedics and Trauma. Churchill & Livingstone, Elsevier. 2009