

**Semmelweis University, Faculty of Medicine - single, long-cycle medical training****Name of the host institution (and any contributing institution):**

Sebészeti, Transzplantációs és Gasztroenterológiai Klinika

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**Name of subject:** Sebészet nyári gyakorlat**in English:** Surgery summer practice**in German:** Chirurgie sommer Praktikum**Credit value:** 3**Semester:** 7. szemeszter, 8. szemeszter

(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
0.0	0.0	0.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
168.0	0.0	168.0	0.0

**Type of course:**

obligatory

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**Academic year:**

2024/25

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**Language of instruction (for optional and elective subjects):****Course code:**

AOKNSG1134\_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

**Course coordinator name:** Dr. Szijártó Attila (Klinika Igazgató)**Course coordinator location of work, telephone availability:** Department of Surgery, Transplantation and Gastroenterology, 1082 Budapest, Üllői út 78., +3613335343**Course coordinator position:** professor, head of department**Course coordinator Date and number of habilitation:** 2015.06**Objective of instruction and its place in the curriculum:**

The primary goal of the fourth-year surgery summer practice course is to introduce students to the general symptomatology, diagnosis, and specific characteristics of decision-making in surgical diseases. Beyond the fundamentals of surgery, we teach students about the surgical diseases of various organ systems, their recognition, and surgical treatment options. Our primary task is to teach clinical thinking in collaboration with other specialties, guiding students from outpatient care through surgery to post-operative care.

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**Method of instruction (lecture, group work, practical lesson, etc.):**

Practice

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**Competencies acquired through completion of course:**

The subject of surgery begins in the fourth year grade and the entire curriculum last through the 6th grade. forming the backbone of basic clinical training. During this time, our main aim is to combine theoretical subjects, knowledge provided by associated clinical subjects with the surgical way of thinking and decision-making.

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**Course outcome (names and codes of related subjects):****Prerequisites for course registration and completion: (CODE):**

Surgery I-II.

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**In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:**

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**The number of students required to start the course (minimum, maximum), student selection method:**

Based on registration in the Neptun system

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**Detailed course syllabus (if the course can be divided into modules, please indicate): (Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)**

The summer surgery practicum builds upon the block-based curriculum of the 4th year, providing practical experience by involving students in daily patient care.

Recommended practical activities include:

- examining acute and elective surgical patients
- wound dressing
- participating in surgical outpatient clinics
- assisting in surgeries as second assistant

- surgical administration and
- postoperative care and medication

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**Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):**

AOKBOK784\_1A

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**Requirements for attendance, options for making up missed sessions, and method of absence justification:**

Absences are kept by a signing presence during the practices.

Based on the Semmelweis University SZMSZ Chapter 4, § 11 (3) participation in at least 90% of the practices is required.

In addition, general information regarding attendance at lectures and exercises can be found in the Semmelweis University "Study and Examination Regulations" (Section 17.7; Paragraph 8!).

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**Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):**

**(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)**

There is no assessment during the education period. However, the interactive nature of the practices and consultations enables continuous monitoring of the students' knowledge.

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**Number and type of individual assignments to be completed, submission deadlines:**

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**Requirements for the successful completion of the course:**

At least 90% participation in the surgery practice.

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**Type of assessment:**

gyakorlati vizsga\_en

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**Examination requirements (list of examination topics, subject areas of tests, lists of mandatory parameters, figures, concepts and calculations, practical skills, optional topics for the project assignment recognized as an exam and the criteria for its completion and evaluation)**

## **Surgery summer practice topic list**

1. What does the vital indication mean?
2. Where to percuss the abdominal free air?
3. What are the most common complications of thyroid surgery?
4. What does the fundoplication mean?
5. What kind of diseases can cause dysphagia?
6. What kind of tissue can be used for the reconstruction after oesophagectomy?
7. Draw the Billroth resections!
8. Which vessels give the blood supply for the stomach?
9. What is the Calot triangle!
10. What are the symptoms and signs of cholangitis?
11. What kind of factors can indicate the resection of benign liver tumors?
12. Which vessels give the blood supply for the liver?
13. Which imaging techniques are required for the diagnosis of a liver tumor?
14. How to establish the diagnosis of acute pancreatitis?
15. What are the typical symptoms of chronic pancreatitis?
16. Which lab parameters suggest obstructive jaundice?
17. What is Courvoisier sign? What is Murphy sign?
18. Which type of resection has to be chosen for a coecum neoplasia?
19. Why to follow the principles of organ sparing at M. Crohn?
20. What is the indication of rectum extirpation?
21. What does the indirect inguinal hernia mean?
22. What is the most common benign breast lesion?
23. What does the sentinel lymphnode mean?
24. Describe the Hartmann procedure!
25. What does the R0 resection mean?
26. Name 3 precancerotic lesions in surgery?
27. What does the neoadjuvant treatment mean?
28. What is the pseudomembranous colitis?
29. When do you need to use naso-jejunal feeding?
30. Where is the McBurney point?
31. What are the indirect signs of acute appendicitis?
32. List the criteria of wound healing?
33. What are the steps of wound healing?
34. How to prevent the nosocomial infections?
35. What is the difference between abscess and phlegmon?
36. List the inflammatory diseases of the skin and its appendages (min 3)!
37. What does the relative indication mean?
38. What is the difference between a curable and a resectable case / tumor?
39. How to treat bitten and gunshot wounds?
40. What is the definition of LES?
41. What is the rectus diastasis?

42. What are the most important (surgical) complications of peptic ulcers?
43. What is the surgical significance of the Meckel diverticulum?
44. What are the indications for surgery in inflammatory bowel disease?
45. Which perianal disorders represent an emergency surgical condition?
46. What kind of vaccination is prescribed before a planned splenectomy?
47. What is the main cause of hematemesis?
48. What is the main cause of hematochezia?
49. What are the main types (3) of ileus according to etiology?
50. Which type of ileus is the more dangerous: small or large bowel?

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**Method and type of grading (Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.): (Share of theoretical and practical examinations in the overall evaluation, Inclusion of the results in the end-of-term assessment, Possibilities of and conditions for offered grades)**

Practical exam from one topic

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**Signature of habilitated instructor (course coordinator) announcing the course:**

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**Signature of the director of the host institution:**

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**Date of submission:**

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