Department of Surgery, Transplantation and Gastroenterology

SEMMELWEIS UNIVERSITY

*Chairman*
PROF. DR. SZIJÁRTÓ ATTILA

# 4th year surgery exam topic list

## General surgery

1. Classification of wounds, principles of wound treatment
2. Soft tissue infections, wound infections, NPWT, antibiotic prophylaxis
3. Indications and contraindications of surgery, surgical incisions
4. Preparation of patients for surgery, ERAS protocol, perioperative nutrition
5. Postoperative care and complications
6. Surgical oncology (basic concepts, importance of TNM staging, neoadjuvant and adjuvant oncological treatment, concept of onco-team, importance)
7. Ileus (differential diagnosis, treatment)
8. Peritonitis (differential diagnosis, treatment)
9. Significance of minimally invasive surgery, common surgical techniques
10. Transplantation basic concepts (basic concepts, brain death, indications, immunosuppression)
11. Forms of surgical deviations of the intestinal system: stomas (main types of indications)
12. Types of bleeding, blood control, transfusion
13. Thromboembolism, thromboprophylaxis
14. Anatomy of abdominal visceral vessels

## Organ specific surgery

1. Disease of the adrenal glands, surgical consequences
2. Benign diseases of the thyroid gland (symptoms, diagnostics, treatment)
3. Malignant diseases of the thyroid gland (symptoms, diagnostics, treatment)
4. Surgery of the parathyroid gland (symptoms, diagnostics, treatment)
5. Hiatal hernia, GERD
6. Oesophagus diverticulum, achalasia
7. Esophageal injuries (perforation, corrosive injuries)
8. Malignant diseases of the oesophagus (symptoms, diagnosis, treatment)
9. Gastric-, and duodenal ulcer (symptoms, complications, perforation)
10. Malignant diseases of the stomach (symptoms, diagnosis, treatment)
11. Gallstones (symptoms, diagnosis, treatment)
12. Gallstones (complications, treatment)
13. Malignant disease of the biliary system (bile ducts, gall bladder)
14. Benign tumours of the liver (symptoms, differential diagnosis, treatment)

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15. Primary and metastatic tumours of the liver tumours (symptoms, diagnosis, treatment)
16. Acute pancreatitis (symptoms, diagnosis, treatment, complications)
17. Chronic pancreatitis (symptoms, diagnosis, treatment)
18. Malignant diseases of the pancreas (curative and palliative, surgical and interventional options)
19. Colorectal polyps, polyposis syndromes
20. Colon diverticulosis, diverticulitis (symptoms, diagnosis, conservative treatment, surgical indications)
21. Malignant diseases of the large intestine (symptoms, diagnosis, treatment)
22. Anorectal benign diseases (haemorrhoids, perianal fistula, anal fissure, anorectal abscesses)
23. Anorectal tumors (symptoms, diagnosis, treatment)
24. Inflammatory bowel diseases - surgical consequences of IBD
25. Inguinal and femoral hernias (definition, anatomy, symptoms, treatment)
26. Abdominal and rare type hernias (definition, anatomy, symptoms, treatment)
27. Benign diseases of the breast (symptoms, diagnosis, treatment),
28. Malignant tumours of the breast (symptoms, diagnosis, treatment)
29. Acute appendicitis (differential diagnosis, treatment)

**Exam: oral exam from 2 topics (1 general surgery and 1 organ specific surgery)**

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