

Surgery
Concise questionnaire 2018-2019
For graduating state examination

General surgery

1. Asepsis and antisepsis.
2. Haemorrhages, classification, clinic, treatment. Methods of haemostasis.
3. Blood groups, transfusion of blood. Solutions for parenteral infusion.
4. Wounds. Pathogenesis, classification and treatment. Stages and principles of treatment of wounds.
5. Chemical and thermal burns. Pathogenesis, classification, clinic, treatment.
6. Frostbite. Pathogenesis, classification, clinic, treatment.
7. Fractures and dislocations. Classification, clinic, treatment.
8. Surgical infections and suppurative-inflammatory diseases. Abscess, phlegmon, furuncle, carbuncle.
9. Surgical infections and suppurative-inflammatory diseases. Erysipelas. Panaritium (felon).
10. Surgical infections and suppurative-inflammatory diseases. Hydradenitis. Lymphangitis. Lymphadenitis.
11. Specific surgical infection: anthrax, tetanus, rabies.
12. Necroses, gangrenes, trophic ulcers, fistulas and decubitus. Clinics, diagnostics and treatment.

Ref: 1. Surgery. Volume I. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2012 .

Appendix

1. Anatomy and physiology of the appendix.
2. Acute appendicitis.
3. Specifications of retrocecal and pelvic acute appendicitis.
4. Acute appendicitis in children, in elderly patients and pregnant women.
5. Complications of acute appendicitis. Appendiceal mass. Appendiceal abscess.
6. Chronic appendicitis.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Abdominal hernias

1. Abdominal hernias. Definition, classification, anatomical parts of hernias. Etiology of hernias.
2. Abdominal hernias. Clinics, diagnostics and treatment.
3. Inguinal hernias.
4. Femoral hernias.
5. Umbilical hernias.
6. Postoperative (ventral) hernias.
7. Complications of hernias.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Biliary tract

1. Anatomy and physiology of gallbladder and bile ducts.
2. Chronic calculous cholecystitis.

3. Acute calculous cholecystitis.
4. Complications of gallstone disease – choledocholithiasis, cholangitis.
5. Complications of gallstone disease – gallbladder hydrops, empiema of gallbladder, biliodigestive fistulas, scar strictures of common bile duct.
6. Postcholecystectomy syndrome.
7. Obstructive (mechanical) jaundice.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Pancreas

1. Anatomy and physiology of pancreas.
2. Acute pancreatitis.
3. Chronic pancreatitis.
4. Pancreatic cysts, fistulas.
5. Cancer of pancreas.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Stomach and duodenum

1. Anatomy and physiology of the stomach and duodenum. Methods of investigation.
2. Peptic ulcer diseases of the stomach and duodenum.
3. Types of surgical treatment of peptic ulcer diseases of the stomach and duodenum (partial gastrectomy, vagotomy).
4. Complications of peptic ulcer disease. Perforation.
5. Complications of peptic ulcer disease. Bleeding.
6. Complications of peptic ulcer disease. Pyloric stenosis.
7. Complications of peptic ulcer disease. Penetration.
8. Sequelae of gastric surgery. Dumping syndrome.
9. Sequelae of gastric surgery. Recurrent peptic ulcer of anastomosis. Reflux gastritis.
10. Sequelae of gastric surgery. Afferent loop syndrome.
11. Sequelae of gastric surgery. Zollinger-Ellison syndrome.
12. Cancer of the stomach.
13. Gastrointestinal bleeding.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Bowel obstruction

1. Bowel obstruction. Etiology and pathogenesis, clinics, diagnosis, treatment.
2. Acute bowel strangulation.
3. Acute bowel obturation.
4. Mixed type of mechanical bowel obstruction. Ileocaecal intussusceptions.
5. Dynamic bowel obstruction.

- Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Peritoneum

1. Acute abdomen. Differential diagnosis of acute abdomen.
2. Peritonitis. Diffuse purulent peritonitis.
3. Intraabdominal abscesses. Subphrenic and pelvic abscesses.
4. Open and closed injuries of the abdominal viscera.

- Ref: 1. Surgery. Volume II and III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Spleen

1. Anatomy and physiology of the spleen. Methods of investigations.
2. Traumas of the spleen. Clinics, diagnosis, treatment.
3. Infarction of the spleen. Abscess of the spleen.
4. Cysts of the spleen.

- Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Liver

1. Anatomy and physiology of the liver. Methods of investigations.
2. Echinococcosis and alveococcosis of the liver.
3. Liver abscess (bacterial, parasitic).
4. Non parasitic cysts of the liver.
5. Portal hypertension.

- Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Small bowel

1. Anatomy and physiology of the small intestine. Methods of investigations.
2. Intestinal diverticulum. Meckel's diverticulum.
3. Crohn's disease.
4. Intestinal fistulas.

- Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Large bowel

1. Anatomy and physiology of the large intestine. Methods of investigations.
2. Nonspecific ulcerative colitis.
3. Hirschsprungs disease.
4. Diverticulosis of large bowel.
5. Colon cancer.

- Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Diaphragm

1. Anatomy and physiology of diaphragm. Methods of investigations.
2. Traumas of diaphragm.
3. Hernias of diaphragm. Relaxation of diaphragm.
4. Esophageal hiatal hernias of diaphragm.

- Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Thyroid gland

1. Anatomy and physiology of thyroid gland. Methods of investigations.
2. Endemic and sporadic goiter.
3. Thyrotoxicosis.
4. Thyroiditis.
5. Cancer of thyroid gland.

- Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Mammary gland

1. Anatomy and physiology of mammary gland. Methods of investigations.
2. Acute suppurative (purulent) mastitis.
3. Dyshormonal diseases of the breast.
4. Benign tumors of breast.
5. Breast cancer.

- Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Esophagus

1. Anatomy and physiology of esophagus. Methods of investigations.
2. Achalasia of the esophagus.
3. Chemical injuries (burns) and strictures of the esophagus.
4. Esophageal diverticulum.
5. Esophageal cancer.

Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Endoscopic surgery

1. Endoscopy. Indications, contraindications. Types of endoscopic interventions.
2. Laparoscopy. General principles. Indications and contraindications. Types of laparoscopic surgery.

Ref: 1. Surgery. Volume III. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

Endocrine surgery

1. Hormonal active tumors of adrenal glands.
2. Diseases of parathyroid gland. Hyperparathyreosis. Hypoparathyreosis.
3. Hormonal active tumors of pancreas. Insulinoma. Gastrinoma..

Ref: 1. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher.

Angiosurgery

1. Methods of investigations of peripheral arteries and veins.
2. Varicose disease of the lower extremities.
3. Thrombophlebitis of deep veins of the lower extremities.
4. Postthrombophlebitic syndrome.
5. Non specific aortoarteriitis.
6. Obliterating atherosclerosis of lower extremities.
7. Thrombangitis obliterans.
8. Raynaud's disease.
9. Aneurism of abdominal aorta.
10. Lerish's syndrome.
11. Obliterating atherosclerosis of lower extremities.
12. Acute arterial and venous thrombosis and embolisms.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.

2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher..

Thoracic surgery

1. Methods of investigations in thoracic surgery.
2. Thoracic closed traumas. Clinics, diagnosis, treatment, complications.
3. Thoracic open traumas. Clinics, diagnosis, treatment, complications.
4. Spontaneous and traumatic pneumothorax. Clinics, diagnosis, treatment.
5. Acute lung abscess and gangrene.
6. Bronchiectasis.
7. Echinococcosis of the lungs.
8. Cancer of the lung.
9. Pleural empyema (acute and chronic).
10. Mediastinitis.
11. Tumors and cysts of mediastinum.

Ref: 1. Surgery. Volume II. Edited by prof. Mirijanyan M.M., prof. Barseghyan and ass.prof. Stepanyan S.A. (The methodical manual for students of general medicine faculty). YSMU. Yerevan - 2014.
2. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher..

Cardiosurgery

1. Anatomy and physiology of the heart and pericardium. Methods of investigations.
2. Injuries of heart and pericardium.
3. Ischemic heart disease.
4. Patent arterial duct.
5. Atrial septal defect.
6. Ventricular septal defect.
7. Coarctation of the aorta.
8. Mitral valve stenosis.
9. Mitral valve insufficiency.
10. Aortic valve stenosis.
11. Aortic valve insufficiency.
12. Infectious endocarditis.
13. Pericarditis.

Ref: 1. Concise textbook of Surgery. S.Das. 3-th edition (Calcutta, 2001) or higher..

Additional references.

Bailey & Love's Short Practice of Surgery 26th Edition. 2013

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/ S.S.Stepanyan /

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/ M.M. Mirijanyan /