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## **Surgery Questions for the Adv. State Examination in Surgery**

Surgical treatment of colon inflammations  
admission to hospital  
Obstructive jaundice  
Tumours of the stomach  
Diaphragmatic hernia  
Anuria  
Appendicitis in childhood and old age, in gravidity and puerperium  
Rare abdominal hernias, internal hernias  
Complications of acute appendicitis  
Hernias of the anterior abdominal wall  
Hypertrophy of the prostate  
Haemoperitoneal syndrome  
Injuries to the thorax  
Tumours of the rectosigmoid  
Cysts and pseudocysts of the pancreas  
Tumours of the testicle  
Mechanical ileus  
Surgery of the oesophagus  
Tumours of the lungs  
Urogenital developmental anomalies  
Surgery of the liver  
Acute bleeding into the gastrointestinal tract  
Injuries to the urinary system  
Injuries to the stomach, small and large intestines  
Acute necrosis of the pancreas  
Localised peritonitides  
Examination methods in urology  
Abdominal hernias and their complications  
Tumour diseases of the breast  
Vesicoureteral reflux  
Complications of the gastroduodenal ulcer disease  
Acute painful syndrome of the epigastrium  
Surgical inflammations of the small intestine  
Subjective and objective symptoms of acute abdominal events  
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Tumours of the pancreas  
Surgery of the spleen  
Acute painful syndrome of the left hypogastrium  
Chronic pancreatitis and its surgical treatment  
Ulcer disease of the stomach and duodenum  
Neurogenic and vascular ileus  
Surgery of the adrenal glands  
Inflammations and calculi in the biliary tract  
Injuries to the abdomen  
Acute appendicitis  
Pathophysiology of the ileus  
Acute painful syndrome of the right epigastrium  
Haematuria  
Differential diagnostics of acute appendicitis  
Tumours of the small and large intestines  
Classification of intestinal obstructions  
Acute inflammation of the peritoneum  
Diverticulosis of the gastrointestinal tract

Urolithiasis

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## **Surgery Questions II for the Advanced State Examination in Surgery**

Acute mediastinitis  
Haemorrhoids, anal fissure  
Inflammations of the retroperitoneum  
Scalping  
Hydronephrosis  
Pulmonary abscess  
Possibilities of surgical treatment of ischaemic cerebrovascular accidents  
Asepsis and antisepsis, sterilisation and disinfection  
Cervical cysts and fistulas  
Care of the unconscious patient  
Injuries to the neck  
Tumours of the kidneys  
Superior vena cava syndrome  
Anorectal fistulas  
Prolapse of the anus and rectum  
Tumours of the retroperitoneum  
Anorectal abscesses  
Pylorospasm, cardiospasm  
Dupuytren's contracture  
Tumours of the urinary bladder and prostate  
Blood transfusion and its complications  
Thoracic outlet syndrome  
Tumours of the mediastinum  
Torsion of the testicle  
Acute and chronic lymphoedema  
Non-specific inflammations of the urinary tract  
Pleural empyema  
Cystic diseases of the kidneys  
Spontaneous pneumothorax  
Embolisms of all kinds  
Drowning and hanging  
Inflammations of the breast  
Loss injuries to the hand  
Injuries by electric current  
Freezing and frostbite  
Venous thrombosis  
Plastic surgeries of the skin and transplantations  
Epididymitis, orchitis  
Gynaecomastia  
Hydrocele, varicocele  
Sacrococcygeal pilonidal sinus  
Congenital anorectal anomalies  
Periannular subluxation of radial head (painful pronation)



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## **Surgery Questions III for the Adv. State Examination in Surgery**

Fractures of the ribs and sternum  
Suppurative inflammations of joints  
Varices of lower extremities  
Conservative and surgical treatment of fractures  
Complications of anaesthesia  
Intervertebral disc protrusions  
Fractures of the humeral diaphysis  
Acute obstruction of peripheral arteries  
Fractures of bones of the forearm  
Injuries to the kidneys  
Cranial fractures, impressions  
Luxations in the shoulder joint  
Local anaesthetics  
Fractures of the proximal end of humerus  
Resuscitation of arrests of breathing and circulation  
Cerebral concussion and contusion  
Malleolar fractures  
Burns  
Postoperative complications  
Osteomyelitides  
Injuries to arteries  
Traumatic luxations in the hip joint  
Gunshot wounds of the cranium and brain  
Specificities of fractures in children  
Fractures of the pelvis and their complications  
Injuries to the spinal cord  
General anaesthesia  
Suppurative diseases of the fingers and hand  
Epidural and subdural haematomas  
Disorders of the internal environment, incl. acid-base balance in surgery  
Fractures of the upper end of femur  
Fractures of vertebrae  
Injuries to tendons  
Tendovaginitides and bursitides  
Surgical infection  
Pigmented naevi, malignant melanoma  
Chronic arterial occlusions  
Injuries to the soft knee  
Injuries to the urinary bladder and urethra  
Shocks: haemorrhagic, burn, traumatic, anaphylactic, septic  
Amputation of the extremities and limb prostheses  
Cranial base fractures  
Arterial aneurysms  
Fractures of the talus and foot  
Fractures in the elbow joint region  
Luxations in the elbow joint  
Fractures in the knee joint region  
Injuries to peripheral nerves  
Fractures of bones of the carpus and hand  
Fractures and luxations in the regions of the clavicle and scapula  
Fractures of crural bones  
Complications and consequences of fractures  
Healing of fractures and its disorders  
Laparoscopic operations

## Traumat

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## **ology and Orthopaedics Questions for the Adv. State Examination in Surgery**

Non-specific inflammation of a bone, specific inflammations of bones and joints  
Orthopaedic treatment of degenerative and rheumatic diseases  
Bone tumours:- classification, diagnostics, principles of treatment  
Congenital defects of the musculoskeletal apparatus  
Orthopaedic diseases of the hip joint in childhood  
Congenital abnormalities of the feet  
Scoliosis and other backbone deformities  
Pain in the back - differential diagnostics  
Examination methods in orthopaedics and traumatology  
Principles of treatment of an injured patient (first aid in fractures)  
Surgical treatment of fractures, principles of osteosynthesis  
Complications in the treatment of fractures  
Classification, healing of fractures, fractures in children and their complications  
Plastering and dressing techniques in traumatology, extensions  
Open fractures - principles of treatment, complications

Principles of rehabilitation in treating injuries to the musculoskeletal apparatus; evaluation of long-term prognoc

Injuries to the backbone and spinal cord  
Injuries in the region of the shoulder joint  
Injuries in the regions of the arm and elbow; supracondylar fracture in children  
Fractures of the forearm, wrist, and hand  
Injuries to the pelvis and acetabulum  
Fractures of the femur  
Fractures in the region of the knee joint  
Injuries to the soft knee  
Crural fractures and the compartment syndrome  
Injuries in the regions of the ankle and foot  
Aseptic necroses of bones, enthesopathies, and inflammations of tendons  
Injuries to joints  
Geriatric traumatology

Neuromuscular diseases (cerebral palsy, polio, postpartum lesions, peripheral nerve compression)

osis and disability, principles of orthopaedic prosthetics

## **Neurosurgery Questions for the Adv. State Examination in Surgery**

- 1 Intracranial hypertension, cerebral oedemas and cones
- 2 Encephaloceles, myelomeningoceles, craniosynostoses
- 3 Hydrocephalus, its types and therapy
- 4 Malignant tumours of the brain
- 5 Benign tumours of the brain
- 6 Aneurysms of cerebral arteries
- 7 Spontaneous intracerebral bleeding
- 8 Arteriovenous malformations of the brain
- 9 Ischaemia of the brain, methods of surgical treatment of cerebral ischaemia
- 10 Fractures of the cranium and their complications
- 11 Cranial base fractures and their complications
- 12 Brain contusion, diffuse axonal injury
- 13 Epidural haematoma
- 14 Acute and chronic subdural haematomas
- 15 Prevention from secondary damage to the brain after cerebrocranial traumas
- 16 Abscesses of the brain, subdural empyema
- 17 Spinal and intraspinal tumours
- 18 Degenerative diseases of the spine
- 19 Injuries to the backbone
- 20 Injuries to the spinal cord
- 21 Injuries to peripheral nerves
- 22 Surgical therapy of pain
- 23 Stereotactic and radiation neurosurgery, functional neurosurgery

## Urology

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## **Questions for the Advanced State Examination in Surgery**

Anomalies of the uropoietic system  
Diagnostics in urology - diagnostic imaging examinations  
Diagnostics in urology - endoscopic examinations  
Acute episodes in urology  
Non-specific infections in urology  
Tuberculosis of the uropoietic system  
Prostatitis  
Urinary incontinence - classification, diagnostics  
Urinary incontinence - treatment  
Urinary fistulas  
Benign prostatic hyperplasia (aetiology, epidemiology, diagnostics)  
Benign prostatic hyperplasia (treatment)  
Varicocele  
Infertility in the male:- aetiology, epidemiology, diagnostics, assisted reproduction methods  
Infertility in the male:- possibilities of surgical treatment  
Hydrocele, phimosis  
Sexual dysfunctions in the male (erectile dysfunction, priapism, Peyronie's disease)  
Tumours of the prostate (prostate-limited tumours)  
Tumours of the prostate (advanced disease)  
Tumours of the kidneys  
Tumours of the urinary bladder  
Tumours of testicles  
Tumours of the penis  
Renal colic  
Urolithiasis (diagnostics, endourological methods of treatment)  
Urolithiasis (metaphylactic treatment, extracorporeal lithotripsy)  
Injuries to the uropoietic system  
Obstruction of the urinary tract  
Possibilities of urinary drainage  
Vesicoureteral reflux

## **Paediatric Surgery Questions for the Adv. State Examination in Surgery**

- 1 Care of the newborn
- 2 Chest deformities in child age
- 3 Diseases of the thorax - congenital developmental defects in child age
- 4 Oesophageal atresia in child age
- 5 Gastroesophageal reflux and oesophageal achalasia in child age
- 6 Diaphragmatic hernias in child age
- 7 Defects of the abdominal wall in child age
- 8 Congenital defects of the digestive tract in child age
- 9 Congenital atresias and stenoses of the digestive tract in child age
- 10 Hirschsprung's disease in child age
- 11 Anorectal malformations in child age
- 12 Haemorrhage into the gastrointestinal system in child age
- 13 Pyloric stenosis in child age
- 14 Acute appendicitis in child age
- 15 Necrotising enterocolitis in child age
- 16 Non-specific intestinal inflammations in child age
- 17 Intestinal polyps in child age
- 18 Biliary atresia in child age
- 19 Tumours of the liver in child age
- 20 Tumours of the urogenital tract in child age
- 21 An undescended testis, phimosis, paraphimosis in child age
- 22 Fractures of the humerus and clavicle in child age
- 23 Fractures of the forearm and hand in child age
- 24 Fractures of the ribs and sternum; pneumothorax in child age
- 25 Fractures of the vertebrae and pelvis in child age
- 26 Fractures of the femur in child age
- 27 Injuries to the knee joint in child age
- 28 Crural and foot fractures in child age
- 29 Non-invasive examination methods in paediatric surgery
- 30 Injuries to organs of the abdominal cavity in child age



