

№	Крок 2007-2017
Topic	Degenerative-dystrophic diseases of spine and joints
Task	After lifting a load, a 36-year-old male patient has experienced a severe pain in the lumbar region, which spread to the right leg and was getting worse when he moved his foot or coughed. Objectively: the spinal muscles on the right are strained. Achilles jerk is reduced on the right. There is a pronounced tenderness of paravertebral points in the lumbar region. The straight leg raise (Lasegue's sign) is positive on the right. What additional tests should be performed in the first place?
Correct answer	Radiography of the spinal column
B	Computed tomography
C	Magnetic resonance tomography
D	Electromyography
E	Lumbar puncture
№	Крок 2007-2017
Topic	Complications at treatment of the locomotor system injuries (SWS)
Task	A 30-year-old male patient consulted a family doctor 2 months after he had been operated for an open fracture of brachial bone. Objectively: the patient's condition is satisfactory; in the area of the operative wound there is a fistula with some purulent discharge, redness, fluctuation. X-ray image shows brachial bone destruction with sequestra. What complication arose in the postoperative period?
Correct answer	Posttraumatic osteomyelitis
B	Hematogenic osteomyelitis
C	Wound abscess
D	Posttraumatic phlegmon
E	Suture sinus
№	Крок 2007-2017
Topic	Bone-articular tuberculosis (SWS)
Task	A 37-year-old patient complains of pain in the lumbar spine, which increases during walking, limited mobility, edema of the right side of abdomen. Focal tuberculosis is recorded in the anamnesis. X-ray shows destruction of adjacent surfaces of the bodies of the 12 lumbar vertebrae, vertebral bodies height is decreased, intervertebral fissure cannot be detected. Abdominal US reveals a growth 15x20 sm in size in the retroperitoneal space and echo signs of liquid. What diagnosis can be suspected?
Correct answer	Lumbar tuberculous spondylitis
B	Fracture of the 1-2 lumbar vertebrae body
C	Metastatic damage of vertebral column

D	Lumbar spondylolisthesis
E	Osteochondrosis
№	Крок 2007-2017
Topic	Gunshot, closed and opened fractures of bones of lower limb
Task	A 34-year-old patient was delivered to a first-aid center with open fracture of the lower leg bones. Upon examination bleeding is stated: blood flows in pulsating bursts. What actions should be taken at this stage of medical aid?
Correct answer	Apply tourniquet to the thigh proximally to the place of hemorrhage and deliver the patient to surgery room
B	Provide immobilization and deliver the patient to a hospital
C	Apply tourniquet to the thigh distally to the place of hemorrhage and deliver the patient to surgery room
D	Apply pressure dressing to stop hemorrhage and deliver the patient to surgery room
E	Deliver the patient to surgery room
№	Крок 2007-2017
Topic	Degenerative-dystrophic diseases of spine and joints
Task	A 40-year-old patient complains of constant moderate pain in the lumbar spine and significantly reduced mobility. The patient has been suffering from this condition for the last 7 years since pain appeared first in the sacrum area. X-ray: ankylosis of sacroiliac articulation, significant narrowing of intervertebral joint fissures of lumbar vertebrae and calcification of spinal ligaments. What pathology is most likely to cause such X-ray image?
Correct answer	Ankylosing spondylitis
B	Spinal tuberculosis
C	Spinal osteochondrosis
D	Vertebral osteochondropathy
E	Rheumatoid arthritis
№	Крок 2007-2017
Topic	Degenerative-dystrophic diseases of spine and joints
Task	A 60-year-old female patient complains of recurrent pain in the proximal interphalangeal and wrist joints, their periodic swelling and reddening that have been observed for 4 years. X-ray picture represents changes in form of osteoporosis, joint space narrowing and single usuras. What is the most likely diagnosis?
Correct answer	Rheumatoid arthritis
B	Osteoarthritis
C	Gout
D	Pseudogout

E	Multiple myeloma
№	Крок 2007-2017
Topic	Gunshot, closed and opened fractures of bones of lower limb
Task	A 36-year-old injured has been taken to the emergency station with open tibial fractures. Examination reveals bleeding: pulsating blood spurts out of the wound. What medical manipulations are required at this stage of medical care?
Correct answer	Apply a tourniquet on the thigh proximal to the source of bleeding and transport the patient to the surgery room
B	Immobilize the fracture and transport the patient to the surgery room
C	Apply a tourniquet on the thigh distal to the source of bleeding and transport the patient to the surgery room
D	Stop the bleeding by a compressive bandage and transport the patient to the surgery room
E	Transport the patient to the surgery room
№	Крок 2007-2017
Topic	Complications at treatment of the locomotor system injuries (SWS)
Task	A 27-year-old male patient consulted a doctor about pain in the lower third of the thigh with weight bearing activities and unloaded. Two years ago, the patient underwent treatment in the casualty department for the open fracture of the lower third of femur. The fracture healed slowly, the healing process was accompanied by prulent inflammation. Objectively: edema of the lower third of the thigh, elevated local temperature. Radiograph shows signs of destruction and sequestration. What is the most likely diagnosis?
Correct answer	Chronic post-traumatic osteomyelitis
B	Osteosarcoma
C	Tuberculosis of femur
D	Hematogenous osteomyelitis
E	Multiple myeloma
№	Крок 2007-2017
Topic	Degenerative-dystrophic diseases of spine and joints
Task	A 60-year-old male patient, who works as a construction worker, complains of pain in the right hip and knee joints, that is getting worse on exertion. These presentations have been observed for the last 5 years. Objectively: the patient is overnourished. Right knee joint is moderately deformed. Examination of other organs and systems revealed no pathology. Blood tet results: WBCs 8, 2·10 ⁹ /l, ESR - 15 mm/h. Uric acid - 0,35 mmol/l. What is the most likely diagnosis?
Correct answer	Deforming osteoarthritis
B	Reactive arthritis
C	Gout

D	Rheumatoid arthritis
E	Reiter's disease
№	Крок 2007-2017
Topic	Complications at treatment of the locomotor system injuries (SWS)
Task	10 years ago a patient had a fracture in the middle one-third of his left femoral bone, and during the last 7 years he has been having acute inflammation in the area of old fracture accompanied by formation of a fistula through which some pus with small fragments of bone tissue is discharged. After a time the fistula closes. What complication of the fracture is it?
Correct answer	Chronic osteomyelitis
B	Bone tuberculosis
C	Soft tissue phlegmon
D	False joint
E	Trophic ulcer
№	Крок 2007-2017
Topic	Gunshot, closed and opened fractures of bones of lower limb
Task	After an accident a patient complains of pain in the hip joint. Objectively: the leg is in the position of flexion, adduction and internal rotation, significantly contracted. There is elastic resistance to passive adduction or abduction of the extremity. Major trochanter is located high above the Roser-Nelaton line. A significant lordosis is present. What is your provisional diagnosis?
Correct answer	Iliac dislocation of hip
B	Femoral neck fracture with a displacement
C	Cotyloid cavity fracture with a central dislocation of hip
D	Inferoposterior dislocation of hip
E	Petrochanteric fracture of hip
№	Крок 2007-2017
Topic	Gunshot, closed and opened fractures of bones of lower limb
Task	Female 45 year old patient was admitted to the traumatological ward with the closed fracture of the medial malleolus with its displacement up to 3 mm. The foot is to be fixed with a plaster cast in the following position:
Correct answer	At right angle with varus positioning of the foot
B	In position of planter flexion of foot
C	In position of pronation
D	In position of supination
E	In position of dorsal flexion of foot

№	Крок 2007-2017
Topic	Gunshot, closed and opened fractures of bones of lower limb
Task	A 22 year old patient was admitted to trauma center with complaints of pain in the left ankle joint that was getting worse during moving and weight bearing. On the clinical examination it was found that the patient had the closed fracture of medial malleolus without displacement. In which position should the foot be fixed in plaster cast?
Correct answer	At right angle with varus positioning of the foot
B	In position of planter flexion of foot
C	In position of pronation
D	In position of supination
E	In position of dorsal flexion of foot
№	Крок 2007-2017
Topic	Bone-articular tuberculosis (SWS)
Task	A patient was delivered to the admission ward 40 minutes after a minor trauma with complaints of pain in the thoracic spine. He has a history of pulmonary tuberculosis. Roentgenography results: suspected compression fracture of the VIII and IX thoracic vertebrae. What pathological process in spine might have stimulated pathological fracture of vertebral bodies?
Correct answer	Tuberculous spondylitis
B	Syphilis
C	Malignant tumour metastasis
D	Osteomyelitis
E	Traumatic fracture
№	Крок 2007-2017
Topic	Degenerative-dystrophic diseases of spine and joints
Task	A 38 year old female patient complains about body stiffness in the morning, especially in the articulations of her upper and lower limbs, that disappears 30-60 minutes later after active movements. She has also arthritis of metacarpophalangeal and proximal phalangeal articulations, subfebrile temperature. ESR- 45 mm/h. Roentgenography revealed osteoporosis and erosion of articular surface of small hand and foot articulations. What is the most probable diagnosis?
Correct answer	Rheumatoid arthritis
B	Psoriatic arthropathy
C	Osteoarthritis deformans
D	Systemic lupus erythematosus
E	Reactive polyarthritis

№	Крок 2018-2019
Тема	Complications at treatment of the locomotor systems injuries
Текст задания	A 30-year-old man came to the family physician. 2 months ago he underwent a surgery for open fracture of the humerus. On examination the patient's condition is satisfactory; in the area of the postoperative wound there is a fistula that discharges a small amount of pus; the area itself is red; fluctuation is detected. X-ray shows destruction of the humerus with sequestra. What complication did the patient develop during the postoperative period?
Правильный ответ	Posttraumatic osteomyelitis
B	Hematogenous osteomyelitis
C	Wound suppuration
D	Posttraumatic phlegmon
E	Suture sinus
№	Крок 2018-2019
Тема	Degenerative-dystrophic diseases of spine and joints
Текст задания	A 37-year-old patient complains of pain in the spinal column, reduced mobility. The condition persists for 7 years. "Sway back" is observed, there is no movement in all spinal regions. X-ray shows "bamboo spine" vertebral column. What is the most likely diagnosis?
Правильный ответ	Ankylosing spondyloarthritis
B	Osteochondrosis
C	Spondylitis deformans
D	Tuberculous spondylitis
E	Spondylolisthesis
№	Крок 2020
Тема	Damages of pelvis and spine
Текст задания	A 19-year-old young man was diving and hit his head on the bottom of the pool. He complains of pain in the neck, his head movements are limited and painful. During examination his head is bowed forward and to the right and the patient supports it with his hands. Palpation detects tense neck muscles and protruding spinous process of the IV cervical vertebra (C4). When pressure is applied to this process and to the head (axial load), the pain intensifies. Make the provisional diagnosis:
Правильный ответ	Cervical contusion
B	Complicated cervical fracture
C	Uncomplicated cervical fracture
D	Neck muscle injury

E	Spinal root injury
---	--------------------