

PRACTICAL STUDY VII SEMESTER

Practical study №1

**Topic: Topography of lumbar region and retroperitoneal space.
Operations on kidneys and ureters**

I. Control questions:

1. Borders and layer-by-layer topography of lumbar region.
Weak places.
2. Retroperitoneal space, topographic interrelations of fascias, fat and organs.
3. Topography of kidneys, ureters, epinephroses.
4. Topography of abdominal aorta, inferior vena cava, portal vein.
5. Nerves of retroperitoneal space.
6. Operative approaches to kidneys.
7. Nephrectomy, nephrotomy, nephropexy, pyelotomy, transplantation of kidney. Ureter suture.
8. Paraneural block: indications, technique, topographic-anatomic substantiation.

II. Practical training:

1. Studying of topography of retroperitoneal space on corpses and photos.
2. Learning of special surgical instruments for operations on kidneys.
3. Technique of making of interrupted skin sutures.

Practical study №2

Topic: Topographic anatomy of pelvis and perineum

I. Control questions:

1. Borders and compartments of pelvis.
2. Fascias and fat spaces of pelvis. Way of pus distribution.
3. Vessels, nerves and lymphatic nodes of small pelvis.
4. Topography of perineum.

5. Topography of rectum, urinary bladder, prostate, seminal vesicles, deferent duct, uterus, uterine [fallopian] tubes, ovary.
2. Ways of pelvic fat spaces draining.
3. Pudendal block, puncture of abdominal cavity through posterior vaginal fornix. Indications, technique.
4. Paracentesis of urinary bladder, cystotomy, cystostomy.
5. Prostatectomy.
6. Operations at hydrocele.
7. Operations at hemorrhoid and operations at malignant neoplasms of rectum.

II. Practical training:

1. Studying of topography of pelvic organs and fat spaces on corpses and photos.
2. Learning of special surgical instruments for operations on organs of small pelvis.
3. Technique of hemostasis in operational wound.

Practical study №3

Topic: Topographic anatomy of the shoulder girdle, arm and cubital region

I. Control questions:

1. External landmarks and projection of basic neurovascular fascicles of the shoulder girdle, arm and cubital region.
2. Topography of infraclavicular, scapular, deltoid and axillary regions.
3. Topography of the shoulder joint. Weak places of articular capsule, bursal sacs, recesses. Practical significance of these formations.
4. Topography of the arm.
5. Topography of the cubital region.
6. Topography of the cubital joint. Features of topography of articular capsule.

II. Practical training:

1. Studying of topography of the shoulder girdle, arm and cubital region on corpses and photos.
2. Technique of making of interrupted musculofascial sutures (II-

and Z-shaped).

Practical study №4

Topic: Topographic anatomy of the forearm and hand. Surgical treatment of pyoinflammatory diseases of the hand

I. Control questions:

1. External landmarks and projection of basic neurovascular fascicles of the forearm and hand.
2. Topographic anatomy of the forearm.
3. Topography of osteo-fibrous and synovial formations of the region of radiocarpal joint and the hand.
4. Topography of fascial compartments and fat spaces of the hand.
5. Topography of superficial and deep arterial palmar arches, median, radial, ulnar nerves on the hand.
6. "Prohibited area" of the hand, borders, anatomical significance.
7. Topographic anatomy of fingers of the hand.
8. Pyoinflammatory diseases of the hand. Classification. Surgical treatment.

II. Practical training:

1. Studying of topography of the forearm and hand on corps and photos.
2. Technique of making of uninterrupted musculofascial sutures (blanket, Multanovski, mattress).

Practical study №5

Topic: Topographic anatomy of the gluteal region, hip and popliteal space. Topography of hip joint.

1. External landmarks and projection of basic neurovascular fascicles of the gluteal region and hip.
2. Topographic anatomy of the gluteal region. Topography of supra- and infrapiriform openings.
3. Hip joint, topographo-anatomical features of structure.
4. Topography of vascular and muscular lacunas, contents.
5. Surgical anatomy of femoral triangle.
6. Topography of obturator canal.

7. Topography of adductor canal.
8. Topography of posterior region of the hip.
9. Topographic anatomy of the popliteal space, syntopy of neurovascular fascicle.

II. Practical training:

1. Studying of topography of the gluteal region, hip and popliteal space on corps and photos.
2. Checking of the technique of making of interrupted skin sutures and knots.

Practical study №6

Topic: Topographic anatomy of the knee joint, leg, ankle joint and foot

I. Control questions:

1. External landmarks and projection of basic neurovascular fascicles of the leg and foot.
2. Topography of knee joint (bursal sacs, recesses, menisci and ligaments).
3. Topographic anatomy of anterior region of the leg.
4. Topographic anatomy of posterior and lateral regions of the leg.
5. Canals of the leg: cruropopliteal, superior and inferior musculoperoneal.
6. Topography of anterior, posterior, lateral and medial parts of the ankle joint region.
7. Topography of dorsal surface of the foot.
8. Topography of plantar surface of the foot.
9. Topographic anatomy of joints of the foot.

II. Practical training:

1. Studying of topography of the knee joint, leg and foot on corps and photos.
2. Checking of the technique of making interrupted and uninterrupted musculofascial sutures.

Practical study №7

Topic: Operations on vessels, nerves, tendons and joints

I. Control questions:

1. Projection of basic neurovascular fascicles of the extremities. Operative approaches to vessels and nerves (direct and indirect).
2. Ways of bleeding control at injury of main vessels.
3. Indications and technique of ligation of vessels in wound and in the course. Ways of collateral circulation at injury of axillary, brachial and femoral arteries.
4. Suture of vessel: classification, requirements. Technique of suture of vessel by Carrel.
5. Conception about reconstructive operations on vessels (desobliterating and plastic operations). Conception about bypass operations. Operations at aneurysms of vessels.
6. Operations at varix dilatation of veins of lower extremity.
7. Classification of injuries of nerves. Kinds of nerve regeneration.
8. Suture of nerve. Classification. Requirements.
9. Suture of tendon. Classification. Requirements. Conception about tendon plastics.
10. Indications and technique of joint puncture.
11. Conception about arthrotomy, arthroplasty, arthrodesis, arthrorisis and resection of joints.

II. Practical training:

1. Acquaintment with work of vascular anastomosis apparatus.
2. Technique of making of Carrel vessel' suture.
3. Technique of making of Kyuneo tendon' suture.
4. Checking of the technique of hemostasis in operational wound.

Practical study №8

Topic: Operations on bones of extremities. Amputations and exarticulations

I. Control questions:

1. Fractures: classification, treatment.
2. Kinds of osteosynthesis (extramedullary, intramedullary, compressive-distractive).
3. Osteotomy: indications, classification.

4. Bone resection: indications, classification. Conception about osteoplasty.
5. Amputations and exarticulations: indications, classification.
6. Stages of amputation. Ways of prosection of periosteum, vessels, nerves and soft tissues.
7. Conception about circular, flap and osteoplastic amputations.
8. Conception about prosthesis of extremities.

II. Practical training:

1. Checking of learning of common and special surgical.
2. Examination tests.

III. Controllable independent work:

1. Conception about microsurgery and extremity replantation.