2026

TOPICS OF THE PRACTICAL CLASSES ON TOPOGRAPHIC ANATOMY AND OPERATIVE SURGERY

1) 01.09 – 05.09 – **The discipline of topographic anatomy and operative surgery.**

2) 07.09 – 12.09 – **Topography of the shoulder region and shoulder joint.**

- Topography of the infraclavicular region.
- Topography of the deltoid region. Subdeltoid space.
- Topography of the scapular region. Scapular arterial anastomoses.
- Topography of the axillary region. Axillary cavity. Triangular and quadrangular foramens.
- Topography of the axillary neurovascular fascicle.
- Topography of the shoulder joint.

Schemes for drawing at home:

1. Topography of the axillary artery in three regions.
2. Scapular arterial collaterals.

3) 14.09 – 19.09 – **Topography of the arm, cubital region, forearm and wrist (carpal region).**

- Topography of anterior and posterior regions of the arm.
- Topography of the elbow joint.
- Topography of the cubital region.
- Topography of anterior and posterior regions of the forearm.
- Topography of the carpal region. Canals of palmar and dorsal sides of the carpal region.
- Topography of the wrist joint.

Schemes for drawing at home:

1. Surface landmarking of the NVF of arm and forearm.
2. Scheme of carpal tunnel

4) 21.09 – 26.09 – **Topography of the hand and fingers. Surgical treatment of purulent diseases of the upper extremity.**

- Topography of muscular compartments of the palm.
- Topography of synovial sheathes of a palm.
- Topography of the fingers of hand.
- Phlegmon of the armpit and prescapular fissure. Technique of drainage.
- Panaritium, classification, surgical treatment.

Schemes for drawing at home:

1. Synovial sheathes of palm.
2. Transversal cut through middle phalange.
3. Incisions on panaritium, tendovaginitis and tendobursitis.

5) 28.09 – 03.10 – **Topography of hip joint, gluteal region, thigh.**

- Topography of the gluteal region. Supra- and infrapiriform foramens.
- Topography of the hip joint.
- Topography of the anterior region of thigh. The femoral triangle.
- Topography of the femoral canal.
- Topography of the adductor (Hunter`s) canal.
- Topography of the posterior region of thigh.

Schemes for drawing at home:

1. Topography of supra- and infrapiriform foramens.
2. Topography of lacuna musculorum and vasorum, femoral canal and femoral triangle.

6) 05.10 – 10.10 – **Topography of the knee joint and leg.**

- Topography of the knee joint.
- Topography of the popliteal fossa.
- Topography of the anterior region of leg.
- Topography of the posterior region of leg.
- Cruropopliteal (Gruber`s) canal.
- Topography of superior and inferior musculoperoneus canals.

Schemes for drawing at home:

1. Popliteal fossa.
2. Surface landmarking of the NVF of leg.

7) 12.10 – 17.10 – **Topography of the ankle joint and foot.**

- Topography of the ankle joint.
- Topography of the ankle region. The malleolar canal.
- Topography of the dorsal region of foot.
- Topography of muscular compartments of the plantar surface of foot.

Schemes for drawing at home:

1. Surface landmarking of the NVF of foot

8) 19.10 – 24.10 – **Operations on blood vessels and nerves of extremities.**

- Methods of the bleeding stop. Ligating of blood vessels in wound and at a distance.
- Ligation of the axillary and brachial arteries, technique, collateral blood supplying.
- The vascular stitch, indications, contraindications, requirements, classification.
- Operations on occlusions and stenoses of blood vessels.
- Aneurisms, classification, surgical treatment.
- Operations on varicose veins of lower extremities.
- Damage of nerves. Pathomorphology, types of regeneration.
- The nerve suture, classification, requirements.

Schemes for drawing at home:

1. Ligating of blood vessels in wound and at a distance.
2. Vascular stitches.
3. Transversal structure of peripheral nerve.

9) 26.10 – 31.10 – **Operations on the locomotor system.**

- Arthrocentesis. Indications, requirements, technique, points of puncture.
- Resection of joints. Indications, classification. Resection of knee joint.
- Concepts about arthrotomy, arthroplasty, artificial ankylosis, arthrorisis, tenodesis.
- Osteotomy. Indications, classification, methods, technique.
- Resection of bones. Indications, classification, methods and technique.
- Classification of fractures. Surgical aid in case of open fractures.
- Indications for surgical treatment of fractures. Types of osteosynthesis.

Schemes for drawing at home:

1. Types of osteosynthesis.
2. Types of osteotomy.

10) 02.11 – 06.11 – **Amputations of extremities.**

- Amputations. Classification, indications for primary, secondary and reamputations.
- Stages of circular amputation. Stump processing (processing of bones, periosteum, vessels, nerves and soft tissues).
- Concept about osteoplastic amputations. Osteoplastic amputations of thigh and leg.
- Amputations and exarticulations of foot and fingers of hand.
- The tendon suture, classification, requirements. Concept about tendon elongation.

Schemes for drawing at home:

1. Types of osteoplastic amputations.
2. Tendon stitches.
3. Elongation of calcaneal tendon.

11) 09.11 – 14.11 – **The theoretical final classes.**

12) 16.11 – 21.11 – **Topography of head. Operations on head.**

- Topography of the frontoparietooccipital and temporal regions.
- Topography of the mastoid region. Antrotomy.
- Treatment of the head wounds. Stop of the bleeding from the middle meningeal artery.
- Scheme of the craniocerebral topography by Krenlein and Brusova. Its practical importance.
- Trepanation of the skull.

- Topography of the parotideo-masseteric region of the face. Requirements for incisions on face. Operations on purulent parotitis and retropharyngeal abscess.
- Deep regions of the face. Venous outflow from the face. Connection of the facial veins with sinuses of dura mater.

Schemes for drawing at home:

1. Layers of cranial vault.
2. Krenlein scheme.
3. Surface landmarking of facial and trigeminal nerves.

13) 23.11 – 28.11 – **Topography of neck. Operations on organs of neck.**

- Regions and triangles of neck.
- Fascias of neck.
- Topography of the submandibular and carotid triangles of neck.
- Topography of the sternocleidomastoid region, antescalenum and scalenovertebral spaces. Reflexogenic zones of neck.
- Cellular spaces of the neck. Requirements for incisions on the neck.
- Topography of the larynx and pharynx.
- The tracheostomy. Indications, technique, complications.
- Topography of thyroid and parathyroid glands. Operations on the thyroid gland.

Schemes for drawing at home:

1. Fascias of neck.
2. Surgical approaches to the organs of neck.

14) 30.11 – 05.12 – **Topography of thorax and organs of thoracic cavity.**

- Layers of the thoracic wall. Topography of the intercostal space and internal thoracic artery.
- Topography of the mammary gland.
- Topography of organs of mediastinum.
- Topography of pericardium.
- Topography of the diaphragm.
- Topography of the lungs.

Schemes for drawing at home:

1. Intercostal space.
2. Limphatic drainage from the mammary gland.

15) 07.12 – 12.12 – **Operations on the organs of thoracic cavity.**

- Thoracocentesis. Definition, indications, technique, complications.
- Operations on mastitis and mammary gland cancer.
- Pericardiocentesis. Definition, indications, technique, complications.
- Surgical approaches to the organs of thoracic cavity. Pneumotomy.
- Resection of the rib, indications, technique and complications. Thoracoplasty.
- Surgical approaches to the heart. Operations on heart. Surgical treatment of the congenital and acquired heart defects.
- Pneumothorax, types, first aid, medical assistance and specialized help.

Schemes for drawing at home:

1. Incisions on mastitis.
2. Surgical approaches to the organs of thoracic cavity.

16) 14.12 – 19.12 – **The final classes on practical skills.**

17) 21.12 – 26.12 – **The overview classes on topics 12-15.**