

2024

**TOPICS OF THE PRACTICAL CLASSES ON TOPOGRAPHIC ANATOMY
AND OPERATIVE SURGERY**

- 1) 12.02 – 17.02 – **The discipline of topographic anatomy and operative surgery.**
- 2) 19.02 – 24.02 – **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 foramina.
 - 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) 26.02 – 02.03 – **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) 04.03 – 09.03 – **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 sheaths 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 sheaths of palm.
 2. Transversal cut through middle phalange.
 3. Incisions on panaritium, tendovaginitis and tendobursitis.
- 5) 11.03 – 16.03 – **Topography of hip joint, gluteal region, thigh.**
 - Topography of the gluteal region. Supra- and infrapiriform foramina.
 - 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) 18.03 – 23.03 – 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) 25.03 – 30.03 – 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) 01.04 – 06.04 – 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) 08.04 – 13.04 – 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) 15.04 – 20.04 – 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) 22.04 – 27.04 – The theoretical final classes.

12) 29.04 – 04.05 – 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)06.05 – 11.05 – 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)13.05 – 18.05 – 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. Lymphatic drainage from the mammary gland.

15)20.05 – 25.05 – 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)27.05 – 01.06 – The final classes on practical skills.