Lectures on Human Anatomy

For 1st year students of the Medical Faculty:

1st semester of 2026-2027

##	Topic	Lecturer	Date 1st batch	Date 2nd batch
1.	Introduction to anatomy. General anatomy of the skeletal system	K.M. Shastakovich	**03.09**	**15.10**
2.	General anatomy of the joints.	O.L. Zharikova	**8.10***	**05.11**

The lectures are delivered:
1st Batch on Thursdays at 13.00 – 14.00 in the auditorium #107, b. 15
****in the auditorium #101, b. 18***

2nd Batch on Wednesdays at 14.20 – 15.20 in the auditorium #4;

Head of the Department of Normal Anatomy  **N.A.Trushel**

Lectures on Human Anatomy

For 2nd year students of the Medical Faculty:

3rd semester of 2026-2027

##	Topic	Lecturer	Date 1st batch	Date 2nd batch
1.	Introduction to neurology. Functional anatomy of the spinal cord and brainstem.	O.L. Zharikova	**08.09**	**11.09**
2.	Functional anatomy of the diencephalon and telencephalon. Blood supply to the brain.	A.A. Pasiuk	**22.09**	**25.09**
3.	Peripheral nervous system. Functional anatomy of the spinal and cranial nerves.	O.L. Zharikova	**27.10**	**30.10**
4.	General characteristics of structure and function of the autonomic nervous system. Innervation of the organs and blood vessels.	Y.A. Huseva	**08.12**	**11.12**

The lectures are delivered:
1rd Batch - on Tuesdays at 10.25 – 11.25 in the auditorium #2;
2th Batch - on Fridays at 8.00 – 9.00 in the auditorium #3;

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PLAN
of laboratory sessions on Human Anatomy
for the 1st year students of medical faculty (in English):
1st semester of 2026-2027

Number of practical hours*: *57.
***Duration of semester:* from 01.09.2026 to 17.01.2027.**
***Frequency*: one practical session per week.**
***Duration of practical classes*: 3 hours.**
***Learned material:* "Musculoskeletal system"**
Finals:
"Bones and joints": 11th week (November, 9-13)
"Muscular system": 19th week (January, 4-8)

1st week (September, 1-4)

1. The study of anatomy. Anatomical terminology. Terms of position and direction, axes and planes. Axial and appendicular skeleton. Vertebral column. Thoracic. cervical and lumbar vertebrae. Sacrum and coccyx. Skeleton of the thorax. Ribs and sternum.

2nd week (September, 7-11)

2. Cranium (skull): neurocranium and viscerocranium (facial skeleton). Bones of the neurocranium: frontal, parietal, occipital, sphenoid, ethmoid.

3rd week (September, 14-18)

3. Temporal bone. Bones of the facial skeleton: maxilla, mandible, palatine bone, inferior nasal concha, vomer; nasal, lacrimal, zygomatic, and hyoid bones.

4th week (September, 21-25)

4. Cranium as a whole. Paranasal sinuses. Cranium of a newborn. Age and gender characteristics of the cranium. Development of the cranium and its anomalies. Roentgen anatomy of the cranium.

5th week (September, 28-October, 2)

5. Bones of upper limb: pectoral (shoulder) girdle and free part of the upper limb. Roentgen anatomy of the upper limb bones. Anatomical predispositions to fractures of the upper limb bones.

6th week (October, 5-9)

6. Bones of lower limb. Pelvic girdle and free part of the lower limb. Roentgen anatomy of the bones of the lower limb. Anatomical predispositions to fractures of the bones of the lower limb.

7th week (October, 12-16)

7. Joints. Classification of bony joints. Synovial joints and their classification. Vertebral joints. Vertebral column as a whole. Joints of the thorax. Thorax as a whole. Roentgen anatomy of the vertebral column and thorax. Joints of skull. Temporomandibular joint.

8th week (October, 19-23)

8. Joints of the upper limb. Joints of the pectoral girdle. Shoulder (glenohumeral) joint. Elbow joint. Articulations between the bones of the forearm. Radiocarpal (wrist) joint and joints of hand. Roentgen anatomy of the joints of the upper limb.

9th week (October, 26–30)

9. Joints of the lower limb. Joints of the pelvic girdle. Pelvis as a whole. Hip joint. Knee joint. Articulations between the bones of the leg. Roentgen anatomy of the joints of the pelvic girdle, hip and knee joints.

10th week (November, 2-6) *

10. Ankle joint and joints of foot. Foot as a whole. Roentgen anatomy of the foot joints.

11th week (November, 9-13)

11. Final session: «Bones and joints»

12th week (November, 16-20)

12. Structure and classification of muscles. Muscles and fasciae of back and thorax. Diaphragm. Anatomical predispositions to diaphragmatic hernias.

13th week (November, 23–27)

13. Muscles and fasciae of the abdomen. Linea alba. Rectus sheath. Inguinal canal. "Weak" places in the abdominal wall as anatomical predispositions to herniation.

14th week (November, 30-December, 4)

14. Muscles and fasciae of the neck. Topographic anatomy of the neck. Muscles of the head: facial and masticatory muscles. Fasciae of the head.

15th week (December, 7-11)

15. Muscles and fasciae of the shoulder girdle and the arm. Axillary fossa and axillary cavity. Topographic anatomy of the arm.

16th week (December, 14-18)

16. Muscles and fasciae of the forearm and hand. Topographic anatomy of the forearm and hand.

17th week (December, 21-25) **

17. Muscles and fasciae of the thigh. Topographic anatomy of the buttock and thigh. Femoral canal. Anatomical predispositions for femoral hernias.

*****Groups, which have a lesson scheduled on December, 25 (Friday), should combine topics 17 and 18.***

18th week (December, 28-January, 1)

18. Muscles and fasciae of the leg and foot. Topographic anatomy of the leg and foot.

*****Groups, which have a lesson scheduled on January 1 (Friday), should shift final to the 20th week.***

19th week (January, 4-8) ***

19. Final session: " Muscular system".

******Groups, which have a lesson scheduled on January 7 (Thursday), should shift final to the 20th week.***

20th week (January, 11-15)

20. Final session "Muscular system" for groups, which have lessons scheduled on Thursday, Friday.

Head of the Department of Normal Anatomy  **N.A.Trushel**

PLAN
of laboratory sessions on Human Anatomy
For 2nd year students of Medical Faculty (in English):
3rd semester of 2026-2027

***Number of practical hours*: 54.**
***Duration of semester:* from 1.09.2026 to 10.01.2027.**
***Frequency*: one practical session per week.**
***Duration*: 3 hours.**
***Learned material:* "Nervous System", "Sense Organs."**
***Finals:* "Central Nervous System. Sense Organs": 8th week (October, 19-23)**
"Peripheral Nervous System", "Autonomic Nervous System": 17th -18th weeks (December, 21–January, 8)

1st week (September, 1-4)

1. Central nervous system. Spinal cord: development, topographic anatomy, external and internal structure. Meninges of the spinal cord.
Review: blood supply to the spinal cord.

2nd week (September, 7-11)

2. Brain: development and parts. Medulla oblongata: external and internal structure. Pons and cerebellum: external and internal structure.

3rd week (September, 14-18)

3. Fourth ventricle. Rhomboid fossa. Projection of the nuclei of the cranial nerves on the rhomboid fossa. Mesencephalon: external and internal structure. Aqueduct of the brain.

4th week (September, 21-25)

4. Diencephalon: external and internal structure. Third ventricle.
Telencephalon: sulci and gyri of the superolateral, medial and inferior surfaces of the hemispheres. Distribution of functions in the cerebral cortex.

5th week (September, 28-October, 2)

5. Olfactory brain (Rhinencephalon). Lateral ventricles. Basal nuclei and white matter of the telencephalon. Meninges of the brain. Cerebrospinal fluid: formation and outflow pathways. Attachment of the cranial nerves to the brain and exit from the skull. Conduction pathways (tracts) of the brain and spinal cord.
Review: blood supply of brain.

6th week (October, 5-9)

6. Sense organs. Integument, derivatives of skin. Visual apparatus: structure of the eyeball. Accessory visual apparatus of the eye. Visual conduction pathway.
Review: orbit, blood supply to the visual apparatus.

7th week (October, 12-16)

7. Auditory and vestibular apparatus. External and middle ear. Internal ear. Conduction pathways of the auditory and vestibular analyzers.
Review: temporal bone. Blood supply to vestibular and auditory apparatus.

8th week (October, 19-23)

8. ***Final session: "Central Nervous System. Sense Organs".***

9th week (October, 26–30)

9. Peripheral nervous system. Cranial nerves: 0, I, II, III, IV, V, VI. Olfactory organ.
Review: Nasal and oral cavities. Pterygopalatine fossa, masticatory muscles, external carotid artery.

10th week (November, 2-6)

10. Facial (VII) nerve, vestibulocochlear (VIII) and glossopharyngeal (IX) nerves.
Review: Facial canal, mimic muscles, salivary glands, tongue, pharynx.

11th week (November, 9-13)

11. Vagus (X) nerve. Gustatory organ. Accessory (XI) and hypoglossal (XII) nerves.
Review: Muscles of the neck, larynx, esophagus, stomach and their blood supply.

12th week (November, 16-20)

12. Spinal nerves: posterior and anterior branches of spinal nerves. Cervical plexus. Brachial plexus.
Review: Muscles of back and diaphragm. Muscles, fasciae, topographic anatomy of the upper limb, and its blood supply.

13th week (November, 23-27)

13. Intercostal nerves (anterior branches of thoracic spinal nerves). Lumbar plexus.
Review: Muscles, fasciae of the chest and abdomen. Inguinal canal. The branches of the thoracic and abdominal aorta.

14th week (November,30 -December, 4)

14. Sacral and coccygeal plexus.
Review: Muscles, fasciae, topographic anatomy of the lower limb. Blood supply to the lower limb.

15th week (December, 7-11)

15. Autonomic part of the nervous system. General principles of its organization. Sympathetic part of the autonomic nervous system.

16th week (December, 14-18)

16. Parasympathetic part of the autonomic nervous system. Autonomic plexuses and ganglia of the head, neck, chest, abdomen and pelvis. Innervation of the internal organs.
Review: Blood supply to the internal organs.

17th week (December, 21-25) **

17. Final session: «Peripheral Nervous System», «Autonomic Nervous System».
*****Groups, which have a lesson scheduled on December 25 (Friday) should combine lessons 17-18 and take the final on 19th week.***

18th week (December, 28-January, 1) ***

18. ***Final lesson:*** **"«Peripheral Nervous System», «Autonomic Nervous System».**
******Groups, which have a lesson scheduled on January 1 (Friday) should combine lessons 17-18 and take the final on 19th week.***

19th week (January, 4-8)

Final lesson: **"«Peripheral Nervous System», «Autonomic Nervous System» for groups which have lessens scheduled on Fridays.**

Head of the Department of Normal Anatomy  **N.A.Trushel**