

3 SEMESTER

Final lesson on the topic: "The Central Nervous System"

Questions for the modular lesson:

1. General structure of the spinal cord
2. White matter of the spinal cord.
3. Topography of the spinal cord, lower border.
4. Fixation of the spinal cord.
5. Furrows of the spinal cord.
6. Intershell space of the spinal cord
7. The structure of the spinal segments.
8. Cerebral cone and filum terminale.
9. Spinal cord membranes
10. Formation of the spinal nerve
11. The formation of the cauda equina.
12. Segmental and suprasegmental apparatus of the spinal cord.
13. Gray matter of the spinal cord.
14. Age-related changes in the spinal cord.
15. Differences between the membranes of the spinal cord and the brain.
16. Arachnoid and soft shell
17. The dura mater of the brain, processes.
18. Dura and sinuses.
19. The membranes of the brain. Intershell spaces.
20. General characteristics of the brain, topography and departments.
21. Development of the brain (departments).
22. Arch.
23. Brain stem, departments.
24. The structure of the cerebral cortex.
25. Shares of hemispheres.
26. Furrows and convolutions of the upper lateral surface of the hemispheres.
27. Furrows of the medial surface of the hemispheres
28. Lateral ventricles of the anterior horns
29. Inner capsule.
30. Basal nuclei, topography.
31. Posterior and lower horn of the lateral ventricles.
32. Corpus callosum, departments
33. Olfactory brain.
34. General characteristics of the diencephalon, departments.
35. Hypothalamus, the intersection of the optic nerves.
36. Topography of the pituitary gland.
37. Zathalamic region
38. The supra-thalamic region.
39. Optic hillock.
40. Pineal gland.
41. Crank bodies, topography.
42. III ventricle.
43. The walls of the third ventricle.
44. Messages of the III ventricle.
45. Mastoid bodies
46. External structure of the medulla oblongata.
47. Dorsal surface of the medulla oblongata
48. Rhomboid fossa.
49. Ventral surface of the medulla oblongata.
50. Roof of the IV ventricle
51. General characteristics of the midbrain.
52. Lower tubercles of the quadruple.
53. Legs of the brain
54. The structure of the legs of the brain.
55. Midbrain nuclei, characteristics.
56. Superior tubercles of the quadruple
57. Superior cerebral sail.
58. Isthmus of the rhomboid brain.
59. Subcortical center of vision.
60. Subcortical center of hearing.
61. Topography and connections of the red core.
62. Black substance.
63. Gray matter of the midbrain
64. Topography of the midbrain.
65. Midbrain cavity, topography.
66. External structure of the cerebellum.
67. The structure of the cerebellum.
68. Trapezoidal body.
69. Gray matter of the bridge.
70. The structure of the bridge.
71. Reticulated formation, topography.
72. Topography of nuclei and exit site at the base of the brain of II - IV cranial nerves.
73. Topography of nuclei and exit site at the base of the brain of the IV-VI cranial nerves.
74. Topography of nuclei and exit site at the base of the brain of the IX-XI cranial nerves.
75. Topography of nuclei and exit site at the base of the brain of the V-VII cranial nerves.
76. Topography of nuclei and exit site on the base of the brain of the VI-VIII cranial nerves.
77. Topography of nuclei and exit site at the base of the brain of the X-XII cranial nerves.
78. Topography of nuclei and exit site at the base of the brain of III - V cranial nerves.
79. Topography of nuclei and exit site on the base of the brain of I, II, III cranial nerves
80. Topography of nuclei and exit site on the base of the brain of the VIII-X cranial nerves
81. Topography of nuclei and exit site on the base of the brain of the VII-IX cranial nerves
82. Topography of nuclei and exit site on the base of the brain of VIII-XI cranial nerves
83. Topography of the nuclei of the cranial nerves in the upper rhomboid fossa

84. Topography of the nuclei of the cranial nerves in the lower rhomboid fossa.
85. Classification of descending paths.
86. Classification of pathways.
87. The auditory way.
88. Extrapyrarnidal pathways.
89. Pyramid path
90. Commissural pathways.
91. The way of pain and temperature sensitivity.
92. The way of the posterior cord.
93. Associative pathways.
94. The visual path.
95. The path of touch and pressure.
96. Ventral spinal tract.
97. Dorsal spinal path
98. Cortical-nuclear pathway (cortico-bulbar).

FINAL LESSON ON THE TOPIC: "Cranial nerves"

Questions for the modular lesson:

1. The tympanic cavity, walls, communication.
2. Block nerve (IV).
3. Branches of the head and cervical regions n. vagus (X).
4. Branches of the thoracic and abdominal sections n. vagus (X).
5. Branches extending from the facial nerve (VII) in the canalis facialis.
6. Age features of the organ of vision.
7. Age features of the organ of hearing.
8. Oculomotor nerve (III).
9. Accessory nerve (XI), topography, nuclei and branching area.
10. Innervation of the larynx.
11. Innervation of the teeth of the upper and lower jaw.
12. Innervation of mimic and chewing muscles.
13. Innervation of the soft palate and pharynx.
14. Innervation of the tongue.
15. Blood supply to the organ of vision.
16. Pterygopalatine node, topography, branches.
17. Facial nerve (VII), nuclei, exit site at the base of the brain and from the cranial cavity, topography of the course in the facial canal.
18. Muscles of the eyeball, their innervation.
19. Outer ear.
20. Orbital nerves.
21. Olfactory (I) and optic (II) nerves.
22. Abducens nerve (VI).
23. Hyoid nerve (XII), topography, branching area.
24. The vestibular cochlear nerve (VIII).
25. Retina
26. Lacrimal apparatus of the eye.
27. Choroid of the eye.
28. Middle ear.
29. The structure of the semicircular canals.
30. The structure of the snail.
31. Topography of the course of the vagus nerve (X).
32. Topography of the nuclei of the vagus nerve (X).
33. Trigeminal nerve (V), topography, nuclei. Second branch.
34. Trigeminal nerve (V), topography, nuclei. First branch.
35. Trigeminal nerve (V), topography, nuclei. Third branch.
36. Fascia of the orbit.
37. Fibrous membrane of the eye
38. Formation of the parotid plexus, its branches.
39. Glossopharyngeal nerve (IX)

FINAL LESSON ON THE TOPIC: "NERVES OF THE BODY, HEAD AND NECK"

Questions for the modular lesson:

1. Short branches of the brachial plexus.
2. Innervation of the thigh skin.
3. Median nerve, its topography, branching area.
4. Innervation of the muscles of the anterior surface of the leg.
5. The muscles of the shoulder, their innervation.
6. Topography of the sciatic nerve.
7. Innervation of the hand muscles.
8. Muscles of the posterior thigh group, their innervation.
9. Muscles of the anterior surface of the forearm, their innervation.
10. Innervation of the anterior leg muscles.
11. Long branches of the brachial plexus.
12. Short branches of the sacral plexus, branching area.
13. Muscles of the posterior group of the shoulder, their innervation.
14. Innervation of the thigh skin.
15. Axillary nerve, zones of innervation.
16. Sympathetic nervous system.
17. Cervical plexus, motor branches.
18. Innervation of the muscles of the anterior abdominal wall.
19. Muscles of the front of the thigh, their innervation.
20. Muscles of the anterior group of the shoulder, their innervation.
21. Obturator nerve, its topography, zones of innervation.
22. Radial nerve, branching area.
23. Spinal nerve, its structure, branches, plexus formation.
24. Innervation of the diaphragm.
25. Borderline sympathetic trunk, structure and branches.
26. Ulnar nerve, branching area.
27. Parasympathetic division of the autonomic nervous system.
28. Innervation of the forearm skin.
29. Features of the structure of the autonomic and somatic nervous system.
30. Innervation of the muscles of the foot.
31. Cutaneous branches of the cervical plexus.
32. Short branches of the sacral plexus.
33. Muscles of the posterior group of the shoulder, their innervation.
34. Short branches of the sacral plexus, branching area.
35. Long branches of the brachial plexus.
36. Innervation of the thigh skin.

Questions for PRACTICAL SKILLS
(show on macropreparations and correctly name in Latin)

CNS

1. III ventricle
2. IV ventricle (on a sagittal section)
3. Basilar groove (bridge)
4. Pallidum.
5. Vagus nerve (exit site).
6. Lateral ventricle
7. Lateral ventricle, posterior horn.
8. Lateral ventricle, lower horn.
9. Lateral ventricle, anterior horn.
10. Lateral cord of the spinal cord
11. Groove of the hippocampus
12. Furrow of the corpus callosum
13. Tubercles of the thin and wedge-shaped nuclei.
14. Roll of the corpus callosum
15. Upper mounds of the midbrain roof
16. Superior petrosal sinus
17. Superior cerebral sail
18. Superior sagittal sinus (dura mater)
19. Superior temporal sulcus
20. Superior frontal sulcus
21. Superior cerebellar pedicle
22. Superior temporal sulcus
23. Superior temporal gyrus
24. Superior frontal sulcus
25. Superior frontal gyrus
26. Superior cerebellar pedicle
27. Superior parietal lobe
28. Vestibular field (rhomboid fossa)
29. Temporal lobe
30. Inner capsule and parts thereof.
31. Intra-parietal groove
32. Plumbing of the brain.
33. Midbrain aqueduct
34. Funnel III ventricle
35. Hypothalamic groove
36. Hypothalamus.
37. Hippocampus.
38. Orbital grooves
39. Head of caudate nucleus
40. Accessory nerve (exit site).
41. The tree of life of the cerebellum
42. Posterior perforated substance
43. Posterior roots of the spinal nerves.
44. Posterior cord of the spinal cord
45. Posterior horn of the spinal cord (cut)
46. The back leg of the inner capsule
47. Posterior median sulcus of the spinal cord
48. Rear part of the bridge
49. Back leg of the inner capsule
50. Posterior median fissure of the spinal cord
51. The posterior part (lining) of the midbrain
52. Occipital-temporal groove
53. Occipital lobe
54. Optic nerve.
55. Visual crossover
56. The optic tract
57. The dentate nucleus (on the section of the cerebellum)
58. Twists of the islet
59. Cords of the spinal cord.
60. Wedge
61. Beak of the corpus callosum
62. Knee of the inner capsule
63. Knee of the corpus callosum
64. Collateral groove
65. Ponytail.
66. End thread
67. Cerebral cortex
68. Cerebellar cortex
69. Red nucleus (in the midbrain section)
70. Roof of the midbrain (plate of the quadruple)
71. The roof of the midbrain
72. Hook
73. Lateral groove of the cerebral hemisphere
74. Lateral occipitotemporal gyrus
75. Lateral fossa of the large brain
76. Lateral geniculate body.
77. Lateral groove
78. Lateral pocket (IV ventricle)
79. Facial tubercle (rhomboid fossa)
80. Facial nerve (exit site).
81. Frontal lobe
82. Medial occipitotemporal gyrus
83. Medial eminence (diamond-shaped fossa)
84. Medial geniculate body.
85. Interventricular opening.
86. Interspecific fossa (midbrain)
87. Metathalamus.
88. Brain Cone
89. Brain stripes (rhomboid fossa)
90. Cerebellum
91. Corpus callosum and its parts.
92. Bridge
93. Supra-marginal gyrus
94. Marking the cerebellum.
95. Outer capsule (telencephalon)
96. Lower mounds of the midbrain roof
97. Inferior cerebral sail
98. Inferior horn of the lateral ventricle
99. Inferior sagittal sinus
100. Lower mound
101. Inferior temporal sulcus
102. Inferior temporal gyrus
103. Inferior frontal sulcus
104. Inferior frontal gyrus
105. Inferior cerebellar pedicle
106. Inferior temporal sulcus
107. Inferior temporal gyrus
108. Inferior frontal groove
109. Inferior frontal gyrus
110. Inferior cerebellar pedicle
111. Inferior parietal lobe
112. Stem of the brain.
113. Leg of the arch
114. Olfactory groove
115. Olfactory bulb.
116. Olfactory tract.
117. Olfactory triangle
118. Fence
119. Olive medulla
120. Islet for the large brain (islet)
121. Abducens nerve (exit site).
122. Parahippocampal gyrus
123. Parahippocampal groove
124. Parahippocampal gyrus.
125. Paracentral lobule
126. Anterior cord of the spinal cord
127. Anterior perforated substance
128. Anterior cord of the spinal cord (on a cut or on the whole brain)
129. Anterior horn of the lateral ventricle
130. Anterior horn of the spinal cord (in section)
131. Anterior branch of the lateral groove.
132. The front leg of the inner capsule
133. Anterior soldering.
134. Anterior median fissure of the spinal cord
135. The front of the bridge
136. Front leg of the inner capsule
137. Anterior commissure (brain)
138. Anterior median fissure of the spinal cord
139. Front part (base) of the midbrain

140. Cross of Pyramids
141. Isthmus of the cingulate gyrus
142. Cavernous sinus
143. Pyramid of the medulla oblongata
144. Pyramids and the cross of the pyramids.
145. Roof plate
146. Leashes and their soldering.
147. Borderline furrow (diamond-shaped fossa)
148. Lining of the midbrain.
149. Cerebral hemispheres
150. Hemispheres and cerebellar vermis.
151. Cerebellar hemispheres
152. Transverse fissure of the large brain
153. Transverse temporal gyri.
154. Transverse sine.
155. Postcentral groove
156. Postcentral gyrus
157. Lumbar groove
158. Cingulate gyrus
159. Lumbosacral thickening of the spinal cord.
160. Lumbar groove
161. Cingulate gyrus
162. The vestibular cochlear nerve (exit site).
163. Pre-Wedge
164. Precentral groove
165. Precentral gyrus
166. Medulla oblongata
167. Longitudinal slit of the large brain
168. Transparent septum (brain)
169. Diencephalon.
170. Direct gyrus
171. Straight sinus.
172. Direct gyrus.
173. Rhomboid fossa
174. Upper mound handle
175. Handle of the lower mound
176. The outermost capsule (telencephalon)
177. Fornix
178. Vaulted gyrus and its parts.
179. Sickle of the large brain
180. Gray bump
181. Sigmoid sinus
182. Shell
183. Choroid plexus.
184. Mastoid bodies.
185. Adhesions of the large brain.
186. Leash spike
187. Spinal node.
188. Median sulcus (rhomboid fossa)
189. Midbrain
190. Middle temporal gyrus
191. Middle frontal gyrus
192. Middle cerebellar pedicle
193. Middle temporal gyrus
194. Middle frontal gyrus
195. Middle cerebellar pedicle
196. The trunk of the corpus callosum
197. Drain of sinuses.
198. Vault Pillar
199. Thalamus.
200. The dura mater of the spinal cord.
201. Vault Body
202. Body of caudate nucleus
203. Parieto-occipital furrow
204. Parietal lobe
205. Terminal thread.
206. Trapezoidal body.
207. Third ventricle.
208. Hyoid nerve triangle (rhomboid fossa)
209. Triangles of the hypoglossal and vagus nerves.
210. Trigeminal nerve (exit site).
211. Angular gyrus
212. Tail of the caudate nucleus
213. Caudate nucleus
214. Central groove of the cerebral hemisphere

215. The central part of the lateral ventricle
216. The central part of the ventricle
217. Cerebellar worm
218. Black Matter
219. Fourth ventricle
220. Lenticular core
221. Cervical thickening of the spinal cord.
222. Pineal Gland
223. Spur groove
224. Epithalamic adhesion (posterior adhesion of the diencephalon)
225. Epithalamus
226. Glossopharyngeal nerve (exit site).
227. Lingual gyrus

Peripheral nervous system

228. Femoral genital nerve.
229. Femoral nerve
230. Femoral nerve (in the abdominal cavity)
231. Femoral nerve (at the thigh).
232. Block nerve (IV pair)
233. Vagus nerve (X pair)
234. Vagus nerve (on the neck).
235. Tibial nerve
236. Large visceral nerve.
237. Large ear nerve.
238. Superior mesenteric plexus.
239. Superior hypogastric plexus.
240. Maxillary nerve
241. Superior laryngeal nerve.
242. Superior gluteal nerve.
243. Recurrent laryngeal nerve
244. Eye nerve
245. Oculomotor nerve (III pair)
246. Deep peroneal nerve
247. Deep branch of the radial nerve.
248. Thoracic region of the sympathetic trunk.
249. Thoracic nerve.
250. Phrenic nerve
251. Phrenic nerve (in the chest cavity).
252. Phrenic nerve (in the neck).
253. Long pectoral nerve.
254. Accessory nerve (XI pair)
255. Posterior vagus trunk
256. Posterior cutaneous nerve of the thigh.
257. Posterior bundle of the brachial plexus.
258. Obturator nerve
259. Obturator nerve (in the pelvis).
260. Obturator nerve (on the thigh).
261. Optic nerve (II pair)
262. Sural nerve.
263. Lateral cutaneous nerve of the thigh
264. Lateral cutaneous nerve of the leg.
265. Lateral cutaneous nerve of the forearm.
266. Lateral plantar nerve.
267. Lateral bundle of the brachial plexus.
268. Facial nerve
269. Frontal nerve
270. Ulnar nerve (on the shoulder).
271. Ulnar nerve (on the forearm).
272. Radial nerve
273. Radial nerve (on the shoulder).
274. Small visceral nerve
275. Small occipital nerve.
276. Medial cutaneous nerve of the leg.
277. Medial cutaneous nerve of the shoulder.
278. Medial cutaneous nerve of the forearm.
279. Medial plantar nerve
280. Medial bundle of the brachial plexus.
281. Intercostal nerve.
282. Internodal branches of the sympathetic trunk
283. Musculocutaneous nerve
284. Supraorbital nerve.
285. Supraclavicular nerves.
286. Suprascapular nerve.
287. Mandibular nerve

288. Inferior alveolar nerve
289. Inferior gluteal nerve.
290. Nasal nerve
291. Common peroneal nerve
292. Abducens nerve (VI pair)
293. Brachial plexus.
294. Superficial branch of the radial nerve.
295. Superficial peroneal nerve
296. Chin nerve.
297. Ilio-inguinal nerve.
298. Iliac-hypogastric nerve.
299. Infraorbital nerve.
300. Saphenous nerve.
301. Axillary nerve
302. Axillary nerve
303. Hyoid nerve (XII pair)
304. Transverse nerve of the neck.
305. Sciatic nerve
306. Sympathetic trunk
307. Connecting branches of the sympathetic trunk
308. Median nerve
309. Median nerve (on the shoulder).
310. Median nerve (on the forearm).
311. Trigeminal nerve (V pair)
312. Trigeminal knot
313. The nodes of the sympathetic trunk
314. Ear-temporal nerve
315. Celiac nodes (celiac plexus)
316. Celiac trunk.
317. Cervical plexus.
318. Neck loop.
319. Glossopharyngeal nerve (IX pair)
320. Lingual nerve

Sense organs

321. Eardrum
322. Tympanic cavity
323. Upper eyelid
324. Superior conjunctival sac
325. Eustachian Trumpet
326. Yellow Spot
327. Auricle Curl
328. Pupil
329. Tragus
330. Bone labyrinth
331. Lateral rectus muscle of the eye
332. Earlobe
333. External auditory canal
334. Lower eyelid
335. Inferior conjunctival sac
336. Nasolacrimal canal
337. Semicircular canals
338. The threshold of the bone labyrinth
339. Antihelix
340. Antigress
341. Iris (on the section of the eyeball)
342. Ciliary body (on the cut of the eyeball)
343. Cornea
344. Retina (on the cut of the eyeball)
345. Sclera of the eyeball
346. Lacrimal Gland
347. Vitreous body (on the cut of the eyeball)
348. Inner Ear Cochlea
349. Lens (on the cut of the eyeball)
350. Superior oblique muscle of the eye
351. Superior rectus muscle of the eye