

**3 SEMESTER**

**Final lesson on the topic: " Skull and muscles of head and neck "**

(in the 1 year of the Faculty of Dentistry)

**Questions for the final lesson:**

1. General structure of the skull. Brain and facial skull. Roof and base of the skull.
2. Skull roof bones. Occipital bone.
3. Skull roof bones. Frontal bone.
4. Skull roof bones. Parietal bone.
5. The bones of the facial skull. The structure of the palatine and lacrimal bones, vomer. Cheekbone.
6. The structure of the upper jaw. The nasal bone.
7. The structure of the upper jaw. Channels.
8. The structure of the lower jaw.
9. Ethmoid bone structure and topography.
10. The structure of the sphenoid bone. Big wings.
11. The structure of the sphenoid bone. Bone body.
12. The structure of the sphenoid bone. Small wings and pterygoid processes.
13. The structure of the temporal bone. Rocky part.
14. The structure of the temporal bone. Scaly part.
15. The structure of the temporal bone. Mastoid part.
16. Temporal bone canals.
17. Temporal fossa, messages.
18. The outer base of the skull.
19. Inner base of the skull.
20. Anterior cranial fossa.
21. Middle cranial fossa.
22. Posterior cranial fossa.
23. Pterygopalatine fossa, walls.
24. Pterygopalatine fossa, messages.
25. Orbit structure, walls, messages.
26. The medial wall of the orbit, messages.
27. The lower wall of the orbit, messages.
28. The nasal cavity, walls.
29. Nasal cavity, messages.
30. The connection of the bones of the skull.
31. Age features of the skull.
32. Skull of a newborn
33. Mimic muscles. Topography, function.
34. Muscles of the roof of the skull. Topography, function. Fascia of the head.
35. Neck muscles. Topography, function.
36. Neck topography. Neck triangles.
37. Fascia and neck space.
38. Characteristics of facial muscles. Muscles of the circumference of the mouth.

Questions for PRACTICAL SKILLS:  
(show on macro-preparations and correctly name in Latin)

SKULL

1. Alveolar arch of the lower jaw
2. Alveolar bone of the upper jaw
3. Basilar part of the occipital bone
4. The tympanic part of the temporal bone
5. Large occipital foramen
6. Great wing of the sphenoid bone
7. Large palatal opening.
8. Great horn of the hyoid bone
9. Groove of the superior sagittal sinus
10. Transverse sinus groove
11. Sigmoid sinus groove
12. Groove of the superior petrous sinus.
13. Furrow of the inferior petrosal sinus.
14. Upper jaw tuber
15. Coronal process of the lower jaw
16. Maxillary sinus
17. Superior nasal concha
18. Superior orbital fissure
19. Branch of the lower jaw
20. Temporal fossa
21. Internal opening of the carotid canal
22. Internal auditory opening and internal auditory canal
23. Internal occipital eminence.
24. Internal auditory opening
25. Internal occipital protuberance
26. Lower jaw notch
27. Pituitary fossa
28. Glabella of the frontal bone
29. Orbital plate of ethmoid bone
30. Orbital surface of the upper jaw
31. Orbital part of the frontal bone
32. The orbital process of the palatine bone
33. Pharyngeal tubercle of the occipital bone
34. The head of the lower jaw
35. Horizontal plate of the palatine bone
36. Pear-shaped hole.
37. Double abdominal fossa of the lower jaw
38. Arcuate elevation.
39. Chewing tuberosity of the lower jaw
40. Posterior cranial fossa
41. Occipital scales
42. Occipital condyle
43. Visual channel
44. Dental alveoli of the lower jaw
45. Stony-tympanic fissure.
46. The petrous part of the temporal bone
47. Hyoid nerve canal
48. Wedge-palatine opening.
49. Canine fossa.
50. Bony palate
51. Cruciform elevation
52. Round hole
53. Pterygoid tuberosity of the lower jaw
54. Pterygoid fossa of the pterygoid process of the sphenoid bone
55. Pterygoid dimple of the lower jaw
56. Pterygoid palatine fossa
57. Pterygoid tuberosity
58. Pterygoid canal of the sphenoid bone
59. Pterygoid process of the sphenoid bone
60. Roof of the tympanic cavity of the temporal bone
61. Lateral part of the occipital bone
62. Frontal scales
63. Frontal tubercle of the frontal bone
64. Frontal process of the upper jaw
65. Lesser wing of the sphenoid bone
66. Small horn of the hyoid bone
67. The musculocutaneous canal of the temporal bone
68. Condylar canal.
69. Condylar process of the lower jaw
70. Superciliary arch
71. Supraorbital foramen (notch) of the frontal bone
72. External occipital eminence.
73. External opening of the carotid canal
74. External occipital protuberance
75. Palatine process of the upper jaw
76. Mandibular fossa of the temporal bone
77. Mandibular fossa
78. Lower nasal passage.
79. Inferior nasal concha
80. Inferior orbital fissure
81. Nasal bone
82. Nasal part of the frontal bone
83. Nasolacrimal canal.
84. Oval hole
85. Spinous hole
86. Lower jaw opening
87. Finger depressions on the skull
88. Anterior cranial fossa
89. Perpendicular plate of the palatine bone (on the skull)
90. Perpendicular plate of ethmoid bone
91. Cockscomb.
92. Pyramid (stony part) of the temporal bone
93. Chin hole
94. Chin spine.
95. Chin tubercle
96. Chin protrusion of the lower jaw
97. Infratemporal fossa
98. The infratemporal ridge.
99. The infraorbital groove of the upper jaw
100. The infraorbital foramen of the upper jaw
101. Infraorbital sulcus
102. Infraorbital canal.
103. Sublingual canal
104. Perforated plate of the ethmoid bone.
105. Cleft of the maxillary sinus (entrance to the maxillary sinus)
106. Cleft of the canal of the large stony nerve.
107. Cleft of the canal of the petrous nerve.
108. Torn hole in the skull
109. Incisal channel
110. Stingray
111. Zygomatic opening.
112. Zygomatic process of the upper jaw
113. Zygomatic process of the temporal bone
114. Zygomatic process of the frontal bone
115. Zygomatic arch.
116. Zygomatic bone
117. Ocular opening.
118. Lacrimal groove of the upper jaw
119. Lacrimal bone
120. Sleepy furrow.
121. Sleepy canal of the temporal bone
122. Mastoid process of the temporal bone
123. Coulter

124. Sphenoid saddle back
  125. Middle nasal passage.
  126. Middle nasal concha
  127. Middle cranial fossa
  128. Hard palate
  129. Upper jaw body
  130. Sphenoid bone body
  131. Lower jaw body
  132. Body of the hyoid bone
  133. Parietal bone
  134. Trigeminal depression of the temporal bone pyramid
  135. Turkish saddle
  136. Mandibular angle
  137. Joana
  138. Maxillofacial line of the lower jaw
  139. Maxillofacial groove
  140. Scaly part of the temporal bone
  141. The styloid process of the temporal bone.
  142. Styloid foramen
  143. Fossa of the lacrimal gland of the frontal bone
  144. Jugular opening on the skull
  145. Jugular tenderloin
- MYOLOGY
146. The large round muscle.

147. Large zygomatic muscle.
148. Temporalis muscle
149. Sternocleidomastoid muscle
150. Sternohyoid muscle
151. Sterno-thyroid muscle
152. Digastric muscle, posterior abdomen.
153. Digastric muscle, anterior abdomen.
154. Chewing muscle
155. Circular muscle of the eye
156. Circular muscle of the mouth.
157. Lateral pterygoid muscle
158. Small round muscle
159. Muscle that lifts the upper lip
160. The muscle that lowers the lower lip.
161. The muscle that lowers the corner of the mouth.
162. Suprahyoid muscles
163. Supracranial aponeurosis (tendon helmet)
164. Subcutaneous muscle of the neck.
165. Submandibular triangle
166. Stylohyoid muscle
167. Buccal muscle
168. The hypoglossal muscle

## **SUMMARY LESSON ON THE TOPIC: "ORGANS AND VESSELS OF HEAD AND NECK"**

(in the 1 year of the Faculty of Dentistry)

### **Questions for the modular lesson:**

#### **"ORGANS OF DIGESTION"**

3. General characteristics and structure of teeth.
7. Development of the digestive system. Oral cavity anatomy.
14. Structure and topography of the pharynx
17. Structure and topography of the palate.
23. The structure and topography of the salivary glands.
26. The structure and topography of the language.

#### **RESPIRATORY SYSTEM**

1. The ventricles of the larynx. Glottis.
2. Classification of the muscles of the larynx. Muscles that alter the tension of the vocal folds.
3. Classification of the muscles of the larynx. Muscles that narrow and widen the glottis.
4. Muscles of the larynx
5. Nasal cavity, walls and posts
6. General characteristics of the laryngeal cavity, its departments.
7. Paranasal sinuses
8. Sections of the larynx. Voice formation.
9. Actually the laryngeal cavity, its walls.
10. Structures and communications of the nasal cavity. Paranasal sinuses.
11. Joints and ligaments of the larynx.
12. Cartilage and ligaments of the larynx. Laryngeal cavity.

#### **VESSELS OF HEAD AND NECK**

1. Internal carotid artery. Topography and departments
2. Internal jugular vein, topography, course, tributaries.
3. Blood supply to the teeth of the upper jaw.
4. Blood supply to the teeth of the lower jaw.
5. Blood supply to facial muscles.
6. Blood supply to the neck muscles.
7. Circles of blood circulation.
8. The structure and blood supply of the pharynx.
9. The structure and blood supply of the larynx.
10. The structure and blood supply of the teeth.
11. The structure and blood supply of the esophagus
12. The blood supply of the orbit organs
13. The blood supply of the brain

### **FINAL LESSON ON THE TOPIC: "NERVES OF THE HEAD AND NECK. ELEMENTS OF TOPOGRAPHIC ANATOMY OF THE HEAD AND NECK".**

(in the 2nd year of the Faculty of Dentistry)

#### **Questions for the modular lesson:**

1. Block and diverting nerves
2. Vegetative innervation of the lacrimal gland.
3. Vegetative innervation of salivary glands.
4. Branches of the head and cervical n. vagus.
5. Branches of the thoracic and abdominal divisions of N. vagus.
6. Branches extending from the facial nerve to the canalis facialis.
7. Oculomotor nerve.
8. Accessory nerve, topography, nuclei and branching area.
9. Innervation of the smooth muscles of the eye (constricting and dilating the pupil).
10. Innervation of the larynx.
11. Innervation of the teeth of the upper and lower jaw.
12. Innervation of facial and masticatory muscles.
13. Innervation of the soft palate and pharynx.
14. Innervation of the tongue.
15. Wing node, topography, branches.
16. Facial nerve, nuclei, topography in the facial canal. The branching zone.
17. Nerves of the eye socket.
18. Olfactory (I) and visual (II) nerves. Cortical analyzers.
19. General anatomy of the autonomic nervous system.
20. General overview of the brain. The brain stem. The exit of nerves to the base of the brain.
21. Parasympathetic nervous system.
22. Borderline sympathetic trunk.
23. Sublingual nerve, topography, branching area.

24. The vestibular-cochlear nerve.
25. Sympathetic nervous system.
26. Topography of the vagus nerve course.
27. Trigeminal nerve, topography, nuclei. The second branch.
28. Trigeminal nerve, topography, nuclei. The first branch.
29. Trigeminal nerve, topography, nuclei. The third branch.
30. The formation of the parotid plexus, its branches.
31. Cervical plexus, formation, topography, branches, area of innervation.
32. Vagus nerve nuclei, their characteristics, topography.
33. The pharyngeal nerve