

## **PRACTICAL SKILLS FOR THE LESSONS:**

**Section 1. Introduction to the discipline. Surgical instruments. Separation and connection of tissues. Surgical knots, sutures.**

### **Topic 1. Introduction to the discipline. Surgical instruments.**

1. Name the instruments of the general surgical set.
2. Name special dental instruments.
3. Demonstrate general surgical techniques for tissue dissection, tissue joining with a hand suture (separate interrupted skin suture, continuous skin suture, intradermal suture).
4. Demonstrate the ability to knit knots (simple, surgical, marine, instrumental).
5. Demonstrate the technique and tools for removing sutures.

### **Section 2. Topographic anatomy of the head**

#### **Topic 2. Topographic anatomy of the cerebral part of the head.**

1. fossa temporalis
2. fossa infratemporalis
3. fossa cranii anterior
4. fossa cranii media
5. fossa cranii posterior
6. Shipo trepanation triangle
7. cellulae mastoideae
8. spina suprameatica
9. projection of the facial nerve
10. crista mastoidea
11. foramen mastoideum
12. sinus sigmoideus projection
13. margo supraorbitalis (os frontale)
14. incisura supraorbitalis (os frontale)
15. foramen supraorbitale (os frontale)
16. incisura frontalis (os frontale)
17. foramen frontale (osis frontale)
18. processus zygomaticus (osis frontale)
19. linea temporalis (osis frontale)
20. arcus superciliaris (osis frontale)
21. glabella
22. tuber frontale
23. crista frontalis (osis frontale)

24. foramen caecum
25. pars orbitalis osis frontalis
26. facies orbitalis osis frontalis
27. fossa glandulae lacrimalis
28. pars nasalis osis frontalis
29. spina nasalis osis frontalis
30. apertura sinus frontalis
31. sinus sphenoidalis (os sphenoidale)
32. fossa hypophysialis (os sphenoidale)
33. sulcus prechiasmaticus (os sphenoidale)
34. sulcus caroticus (os sphenoidale)
35. ala minor (os sphenoidale)
36. apertura sinus sphenoidalis (os sphenoidale)
37. canalis opticus
38. fissura orbitalis superior (os sphenoidale)
39. ala major (os sphenoidale)
40. foramen rotundum
41. foramen ovale
42. foramen spinosum
43. facies orbitalis (os sphenoidale)
44. facies maxillaris (os sphenoidale)
45. facies temporalis (os sphenoidale)
46. crista infratemporalis (os sphenoidale)
47. processus pterygoideus (os sphenoidale)
48. canalis pterygoideus (os sphenoidale)
49. lamina medialis (os sphenoidale)
50. lamina lateralis (os sphenoidale)
51. fossa pterygoidea (os sphenoidale)
52. foramen magnum (os occipitale)
53. pars basilaris (os occipitale)
54. clivus
55. sulcus sinus petrosi inferioris
56. tuberculum pharyngeum
57. pars lateralis (os occipitale)
58. condylus occipitalis (os occipitale)

59. canalis nervi hypoglossi
60. fossa condylaris (os occipitale)
61. canalis condylaris (os occipitale)
62. sulcus sinus sigmoidei
63. protuberantia occipitalis externa
64. crista occipitalis externa (os occipitale)
65. linea nuchae superior
66. linea nuchae suprema
67. linea nuchae inferior
68. eminentia cruciformis (os occipitale)
69. protuberantia occipitalis interna
70. sulcus sinus transversi
71. sulcus sinus sagittalis superioris
72. margo frontalis (os parietale)
73. margo occipitalis (os parietale)
74. margo sagittalis (os parietale)
75. margo squamosus (os parietale)
76. angulus frontalis (os parietale)
77. angulus sphenoidalis (os parietale)
78. angulus occipitalis (os parietale)
79. angulus mastoideus (os parietale)
80. tuber parietale (os parietale)
81. linea temporalis superior (os parietale)
82. linea temporalis inferior (os parietale)
83. lamina cribrosa (os ethmoidale)
84. crista galli (os ethmoidae)
85. lamina perpendicularis (os ethmoidale)
86. concha nasalis superior (os ethmoidae)
87. concha nasalis suprema (os ethmoidae)
88. concha nasalis media (os ethmoidae)
89. meatus nasi superior (os ethmoidale)
90. meatus nasi medius (os ethmoidae)
91. infundibulum ethmoidale (os ethmoidale)
92. lamina orbitalis (os ethmoidae)
93. pars petrosa (os temporale)

94. canalis musculotubarius
95. hiatus canalis nervi petrosi majoris
96. sulcus nervi petrosi majoris
97. hiatus canalis nervi petrosi minoris
98. sulcus nervi petrosi minoris
99. sulcus sinus petrosi superioris
100. porus acusticus internus
101. facies inferior partis petrosae
102. fossa jugularis
103. foramen mastoideum
104. foramen jugulare
105. canalis caroticus
106. processus styloideus
107. foramen stylomastoideum
108. processus mastoideus
109. sulcus sinus sigmoidei
110. porus acusticus externus
111. meatus acusticus externus
112. sulcus arteriae temporalis mediae
113. hemispheria cerebri
114. hypothalamus
115. ventriculus tertius
116. dura mater encephali
117. falx cerebri
118. falx cerebelli
119. tentorium cerebelli

**Topic 3. Topographic anatomy of vascular formations of the head.**

1. a. supraorbitalis
2. a. supratrochlearis
3. a. occipitalis
4. a. ophtalmica
- 5.a. temporalis superficialis
6. a., v. et n. auricularis posterior
7. a. meningea media
- 8.r. frontalis (a. meningea media)

- 9.r. parietalis (a. meningeae media)
10. a. meningeae anterior
- 11.n. auriculotemporalis
- 12.n. frontalis
- 13.n. supraorbitalis
14. a. meningeae posterior
15. a. labialis sup. et inf.
16. a. angularis
17. a.maxillaris
18. n. ophthalmicus
19. n. occipitalis major
20. n. occipitalis minor
21. sinus sagittalis superior
22. sinus sagittalis inferior
23. sinus rectus
24. sinus transversus
25. sinus sigmoideus
26. sinus cavernosus
27. sinus circularis Ridley
28. confluence sinuum
29. sinus occipitalis
30. vv. diploicae
- 31.v. emissaria mastoidea
32. patium subarachnoideale
33. cisterna cerebellomedullaris
34. cisterna fossae lateralis cerebri, Sylvian cistern
35. cisterna interpeduncularis
36. cisterna chiasmatis
37. trunk projection a. meningeae media (Krenlein–Bryusova diagram)
38. projection ramus frontalis a. meningeae media (Krenlein–Bryusova diagram)
39. projection of ramus parietalis a. meningeae media (Krenlein–Bryusova diagram)
40. projection of sulcus lateralis (Sylvian fissure)
41. projection of sulcus centralis (Roland fissure)

**Topic 4. Cranial nerves. Congenital anomalies of the brain region of the head.**

1. Cranial nerves I – XII - beginning, exit points on the internal and external base of the skull.

**Topic 5. Operative surgery of the cerebral part of the head.**

1. Practical skills: no

**Topic 6. Topographic anatomy of the facial region of the head. Topographic anatomy of the orbital region.**

1. aditus orbitalis
2. canalis opticus
3. paries superior orbitae
4. paries medialis orbitae
5. fossa sacci lacrimalis
6. canalis nasolacrimalis
7. paries lateralis orbitae
8. paries inferior orbitae
9. fissura orbitalis superior
10. fissura orbitalis inferior
11. margo inferior mandibulae
12. sulcus nasolabialis
13. corpus adiposum buccae Bichat
14. margo infraorbitalis
15. margo supraorbitalis
16. fossa canina
17. processus alveolaris maxillae

**Topic 7. Topographic anatomy of the nose.**

1. nasus externus
2. glabella
3. sulcus nasolabialis
4. alae nasi
5. pars mobilis septi nasi
6. apertura piriformis nasi
7. septum nasi osseum
8. lamina cribrosa
9. processus palatinus maxillae
10. lamina horizontalis
11. palatum osseum

12. septum nasi osseum
13. apertura sinus sphenoidalis
14. os lacrimale
15. lamina orbitalis osis lacrimalis
16. sinus maxillaris
17. meatus nasi superior
18. foramen sphenopalatinum
19. spina nasalis anterior
20. choanae
21. meatus nasi superior
22. meatus nasi medius
23. meatus nasi inferior
24. canalis nasolacrimalis
25. sutura palatina mediana
26. fissura pterygomaxillaris
27. canalis palatinus major

**Topic 8. Topographic anatomy of the buccal and parotid-masticatory regions. Deep facial area. Temporomandibular joint.**

1. m. masseter
2. os zygomaticum
3. arcus zygomaticus
4. glandula parotidea
5. processus pharynges glandula parotidea
6. ductus parotideus
7. facies infratemporalis tuber is maxillae
8. spatium temporopterygoideum
9. a. maxillaris
10. spatium interpterygoideum
11. n. mandibularis
12. n. buccalis
13. n. alveolaris inferior
14. n. lingualis
15. n. auriculotemporalis
16. n. maxillaris
17. fossa pterygopalatina

18. canalis palatinus major
19. spatium retropharyngeum
20. spatium lateropharyngeum
21. tonsilla palatina
22. glandula parotidea
23. v.jugularis interna in the lateral parapharyngeal space
24. a.carotis interna in the lateral parapharyngeal space

**Topic 9. Topographic anatomy of the mouth area.**

1. vestibulum oris
- 2.labium superior
3. gingiva
4. palatum durum
5. palatum molle
6. uvula
- 7.arcus palatoglossus
8. arcus palatopharyngeus
9. frenulum labii inferior
10. m. palatoglossus
11. m. palatopharyngeus
12. m. mylohyoideus
13. glandula sublingualis
- 14.bucca
15. facies labialis dentis
16. facies buccalis dentis
17. processus alveolaris maxilla
18. place of exit a., v. et n. mentales
19. cavum oris proprium
- 20.fauces
21. pars oralis pharyngis
- 22.pars laryngea pharyngis

**Topic 10. Topographic anatomy of congenital malformations of the facial area.**

Practical skills - no

**Topic 11. Operative surgery of the facial region of the head.**

Practical skills - no

**Section 3. Topographic anatomy of the neck**



**Topic 12. Topographic anatomy of the neck areas. Topographic anatomy of the fascia and cellular spaces of the neck. Congenital malformations of the neck area.**

1. trigonum submentale
2. trigonum submandibulare
3. trigonum caroticum
4. regio sternocleidomastoidea
5. trigonum omotrapezoideum
6. trigonum omoclaviculare
7. regio suprahyoidea
8. regio infrahyoidea
9. m. omohyoideus
10. m. sternocleidomastoideus
11. m. sternothyroideus
12. m. sternohyoideus
13. m. digastricus
14. os hyoideum
15. trigonum cervicis mediale
16. trigonum cervicis laterale
17. fascia superficialis
18. fascia colli propria
19. fascia parotideomasseterica
20. fascia omoclavicularis
21. fascia endocervicalis
22. a. carotis communis
23. v. jugularis interna
24. n. vagus on the neck
25. m. scalenus anterior
26. m. scalenus medius
27. m. scalenus posterior
28. plexus brachialis in the interscalene space
29. spatium m. sternocleidomastoideus
30. spatium interaponeuroticum suprasternale
31. arcus venosus juguli
32. saccus caecus retrosternocleidomastoideus
33. spatium glandulae thyroideae

34. spatium prevertebrale
35. spatium submandibulare
36. saccus glandula submandibularis
37. spatium previscerale
38. spatium pretracheale
39. spatium retroviscerale
40. vagina carotica
41. Pirogov triangle
42. n. hypoglossus in Pirogov's triangle
43. a. lingualis in Pirogov's triangle
44. n. alveolaris inferior
45. spatium subtrapezoideum
46. mm. splenii capitis
47. mm. splenii cervicis
48. a. cervicalis profunda

**Topic 13. Topographic anatomy of the neck organs.**

1. larynx
2. cartilago cricoidea
3. epiglottis
4. cartilago thyroidea
5. arcus cartilaginis cricoideae
6. cartilagine tracheales
7. ligg. anularia
8. articulatio cricothyroidea
9. lig. cricothyroideum medianum
10. membrana thyrohyoidea
11. trachea pars cervicalis
12. trachea paries membranaceus
13. epipharynx
14. mesopharynx
15. hypopharynx
16. recessus piriformes
17. Pirogov-Waldeyer lymphoepithelial ring
18. spatium lateropharyngeum
19. esophagus pars cervicalis

20. sulcus tracheoesophagealis dexter
21. sulcus tracheoesophagealis sinister
22. glandula thyroidea
23. isthmus glandulae thyroideae
24. truncus brachiocephalicus
25. a.thyroidea superior
26. a.thyroidea inferior
27. a.thyroidea ima
28. glandulae parathyroideae

**Topic 14. Operative surgery of the neck organs.**

Practical skills - no