

# SS4 – Somso Eye in Orbit



## The Human Eye

1. superior rectus muscle
2. inferior rectus muscle
3. medial rectus muscle
4. lateral rectus muscle
5. superior oblique muscle
6. inferior oblique muscle
7. sclera
8. cornea
9. choroid
10. iris
11. retina
12. vitreous body
13. The lens
14. The sheath of the optic nerves
15. Entrance point of the ciliary nerves
16. The optic nerve
17. ciliary muscle
18. ciliary crown
19. venae vorticosae
20. short and long ciliary nerves
21. macula(yellow spot)
22. arteries of the retina
23. veins of the retina

## Bones of the Orbital Cavity

24. zygomatic bone
25. sphenoid bone
26. maxilla
27. infraorbital foramen
28. nasal bone
29. frontal bone
30. frontal sinus
31. aperture of frontal sinus
32. ethmoid bone
33. sphenoid bone
34. aperture of sphenoid sinus
35. pterygopalatina fossa
36. trochlea
37. middle nasal concha
38. inferior nasal concha
39. bony septum of nose

## Arteries of the Orbital Cavity

40. internal carotid artery
41. ophthalmic artery
42. lacrimal artery
43. central artery of retina
44. supraorbital artery
45. short posterior ciliary arteries
46. long posterior ciliary arteries
47. upper muscular branch
48. lower muscular branch

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49. posterior ethmoid artery
50. anterior ethmoid artery
51. upper palpebral artery
52. supratrochlear artery
53. posterior communicating artery
54. anterior cerebral artery
55. cavernous sinus and internal carotid artery
56. anterior meningeal artery

### **Nerves of the Orbital Cavity**

57. trigeminal ganglion
58. ophthalmic nerve
59. maxillary nerve
60. mandibular nerve
61. infraorbital nerve
62. inferior palpebral branches
63. posterior superior alveolar branches
64. pterygopalatine ganglion
65. nerve of pterygoid canal
66. orbital branches
67. oculomotor nerve
68. superior branch
69. inferior branch
70. abducens nerve
71. trochlear nerve
72. frontal nerve
73. supraorbital nerve
74. lacrimal nerve
75. nasociliary nerve
76. long ciliary nerves
77. posterior ethmoid nerve
78. anterior ethmoid nerve
79. infratrochlear nerve
80. ciliary ganglion
81. short ciliary nerves
82. sympathetic branch of the ciliary ganglion

83. branch communication with nasociliary nerve

### **The Lacrimal Organs with Eyelid Supports**

1. lacrimal gland
2. upper part
3. lower part
4. tendon of the levator palpebrae superioris muscle
5. excretory ducts
6. superior conjunctival fornix
7. lacrimal papillas
8. lacrimal canaliculus
9. lacrimal sac
10. its superior end
11. superior tarsus of the eyelid
12. inferior tarsus of the eyelid
13. sebaceous glands
14. lateral palpebral ligament
15. medial palpebral ligament
16. palpebral conjunctiva
17. bulbar conjunctiva
18. inferior conjunctival fornix