

SS12 – Somso Human Eye



1. optic disc with branches of retinal vessels
2. region of greatest visual acuity, yellow spot
3. nerve fiber layer
4. ganglionic layer of the optic nerve
5. internal reticular or plexiform layer
6. internal nuclear layer
7. external reticular or plexiform layer
8. external nuclear layer
9. layer of rods and cones
10. pigmented epithelium of the retina
11. choroid
12. sclera
13. levator muscle of the superior eyelid
14. superior rectus muscle
15. optic nerve with central retinal vessels
16. choroid
17. retina with retinal vessels
18. sclera
19. inferior rectus muscle
20. orbicularis muscle of the eyelids
21. palpebral fold of the conjunctiva of the upper lid
22. conjunctiva of the upper lid
23. iris
24. tarsus of the upper lid
25. cornea
26. lens
27. ora serrata (light-insensitive section of the retina, pars plana portion of the ciliary body)
28. suspensory ligaments of the lens
29. ciliary body with ciliary muscle and ciliary process
30. inferior oblique muscle
31. choroid with blood vessels and upper vorticos vein
32. sclera with transition zone to cornea
33. pigmented epithelium of the retina
34. cornea
35. retina
36. sclera
37. inferior oblique muscle

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38. superior rectus muscle
 39. long posterior ciliary nerve
 40. short posterior ciliary nerves
and arteries
 41. optic nerve
 42. medial rectus muscle
 43. inferior vorticose rein after
perforation of the sclera
 44. inferior rectus muscle
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- E. path of a beam of light during
accommodation
 - F. path of beam of light duing
disaccommodation
 - G. Differences in proportions of
the eye in normal vision
(emmetropia),
shortsightedness (myopia) and
longsightedness (hyperopia)