

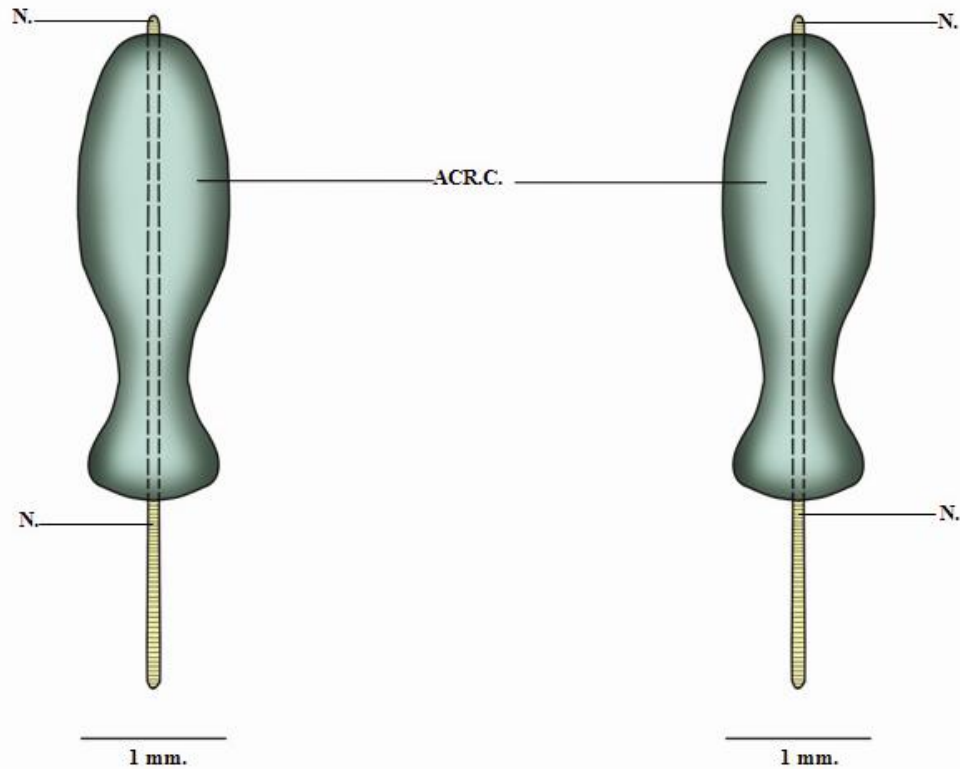


Fig.(1) : Graphic reconstruction of neurocranium of 20mm. embryo stage of *Columba Livia* in a dorsal view.

Fig.(2) : Graphic reconstruction of neurocranium of 20mm. embryo stage of *Columba Livia* in a ventral view.

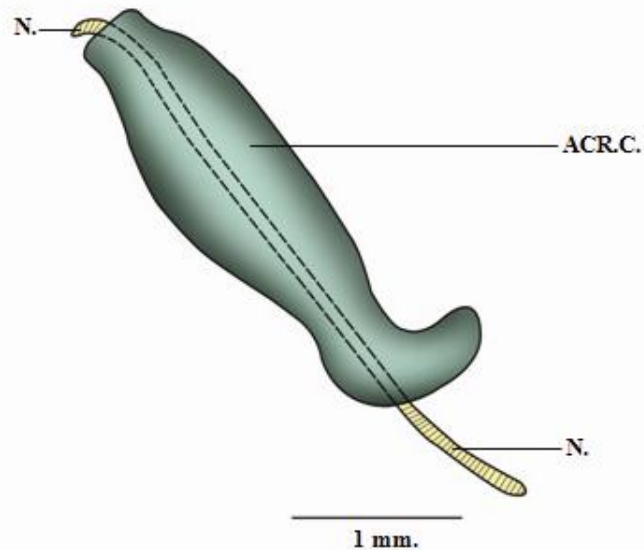


Fig.(3) : Graphic reconstruction of neurocranium of 20mm. embryo stage of *Columba Livia* in a lateral view.

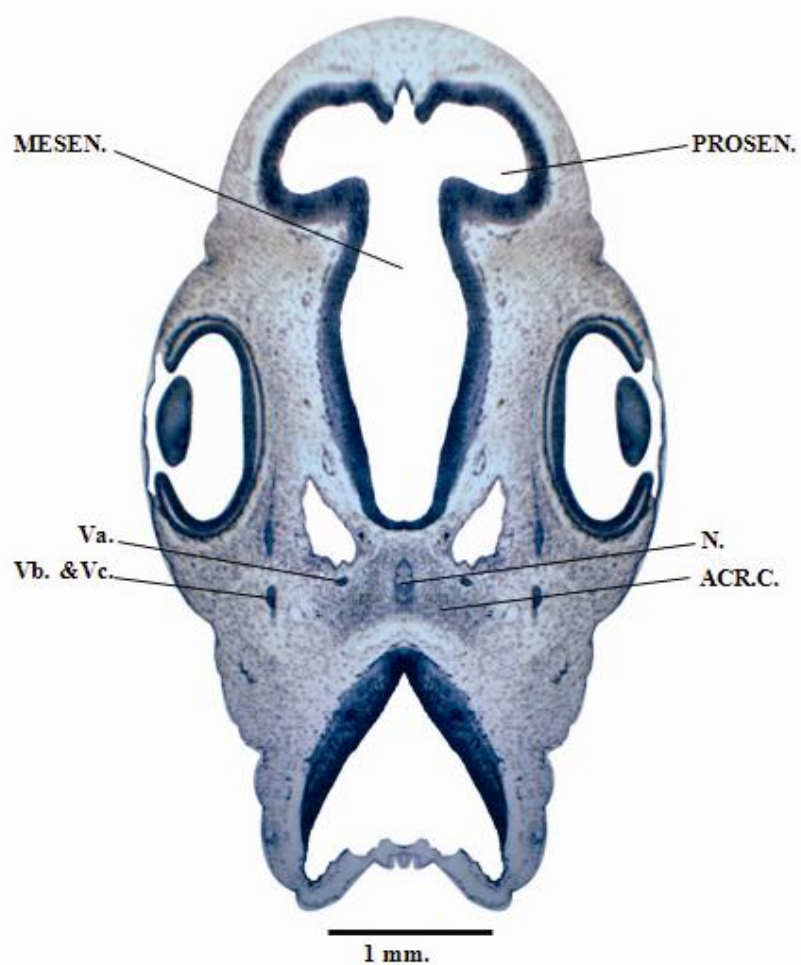


Fig.(4): T.S. passing through the head region of 20 mm. embryo stage of *Columba Livia*.

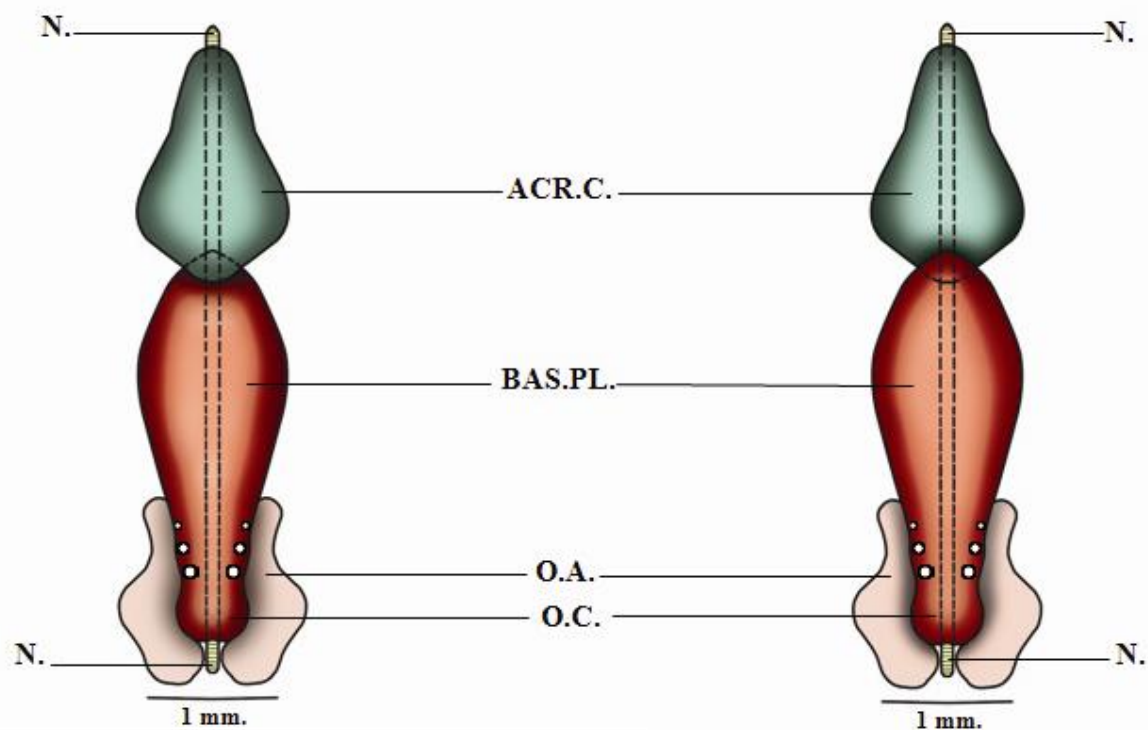


Fig.(5): Graphic reconstruction of neurocranium of 24mm. embryo stage of *Columba livia* in a dorsal view.

Fig.(6): Graphic reconstruction of neurocranium of 24mm. embryo stage of *Columba Livia* in a ventral view.

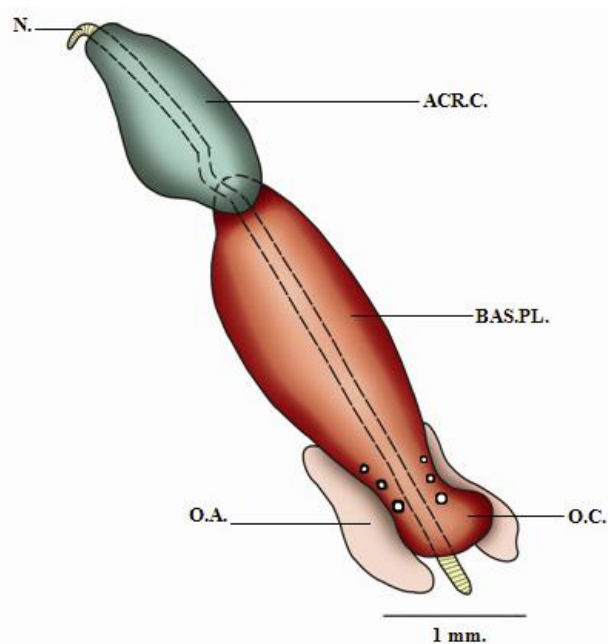


Fig.(7): Graphic reconstruction of neurocranium of 24mm. embryo stage of *Columba Livia* in a lateral view.

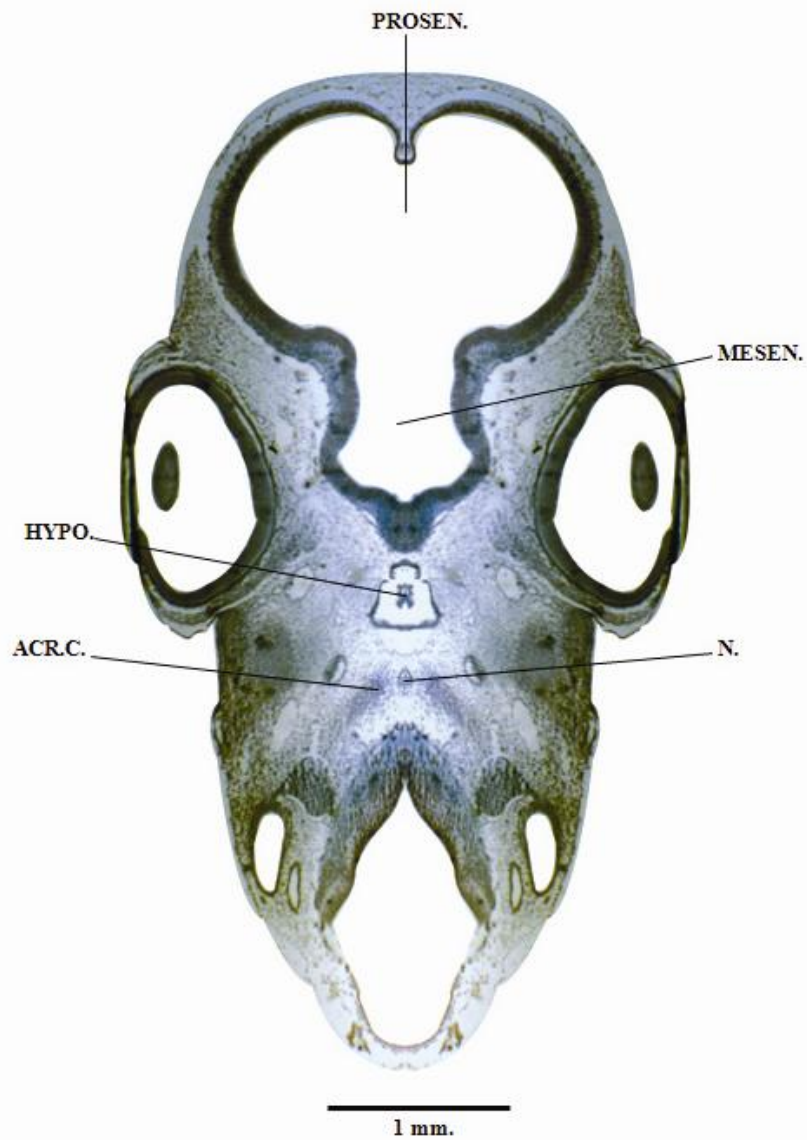


Fig.(8): T.S. passing through the head region of 24 mm. embryo stage of *Columba livia*.

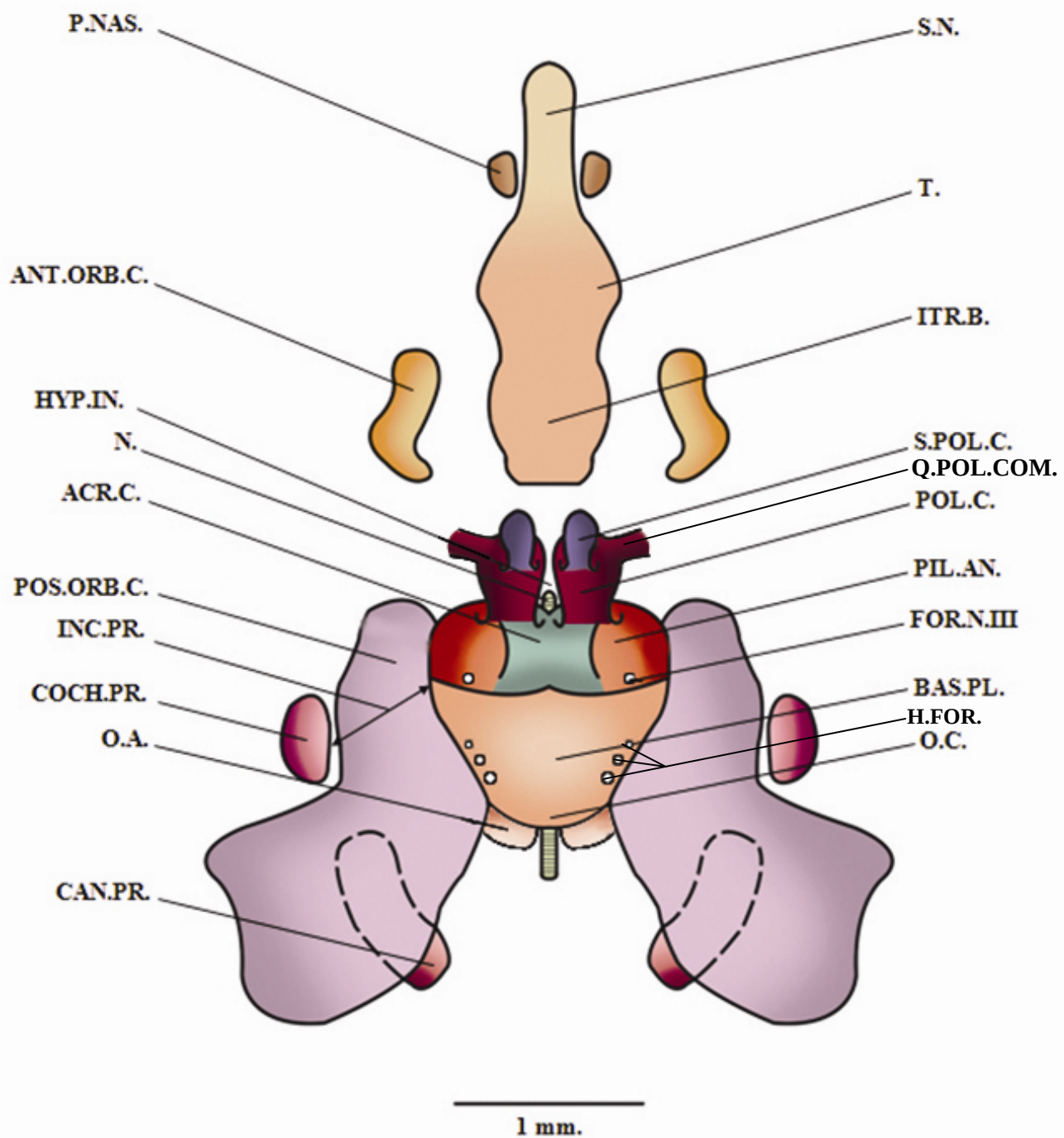


Fig.(9): Graphic reconstruction of neurocranium of 32 mm. embryo stage of *Columba Livia* in a dorsal view.

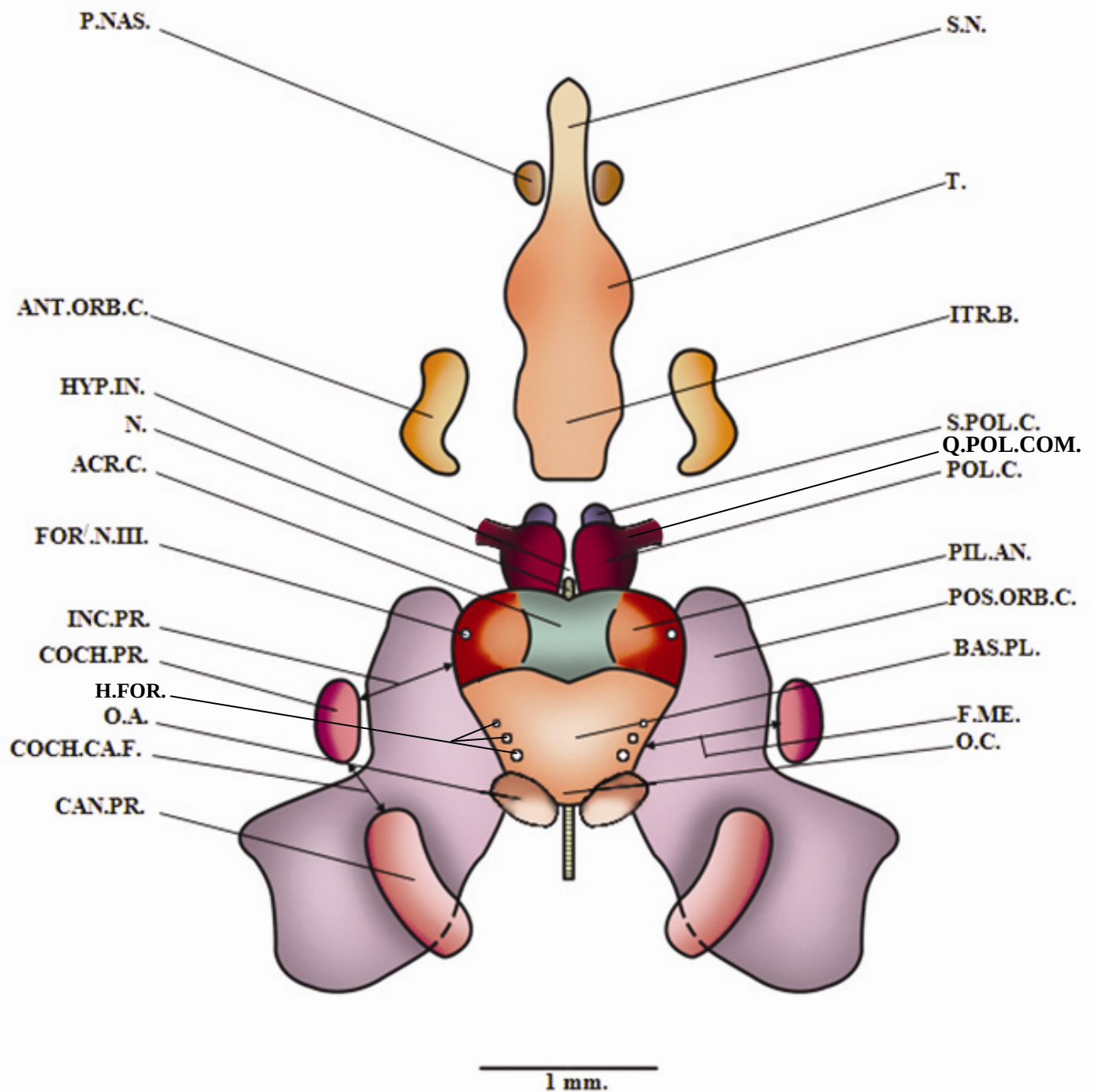


Fig.(10): Graphic reconstruction of the neurocranium of 32 mm. embryo stage of *Columba Livia* in a ventral view.

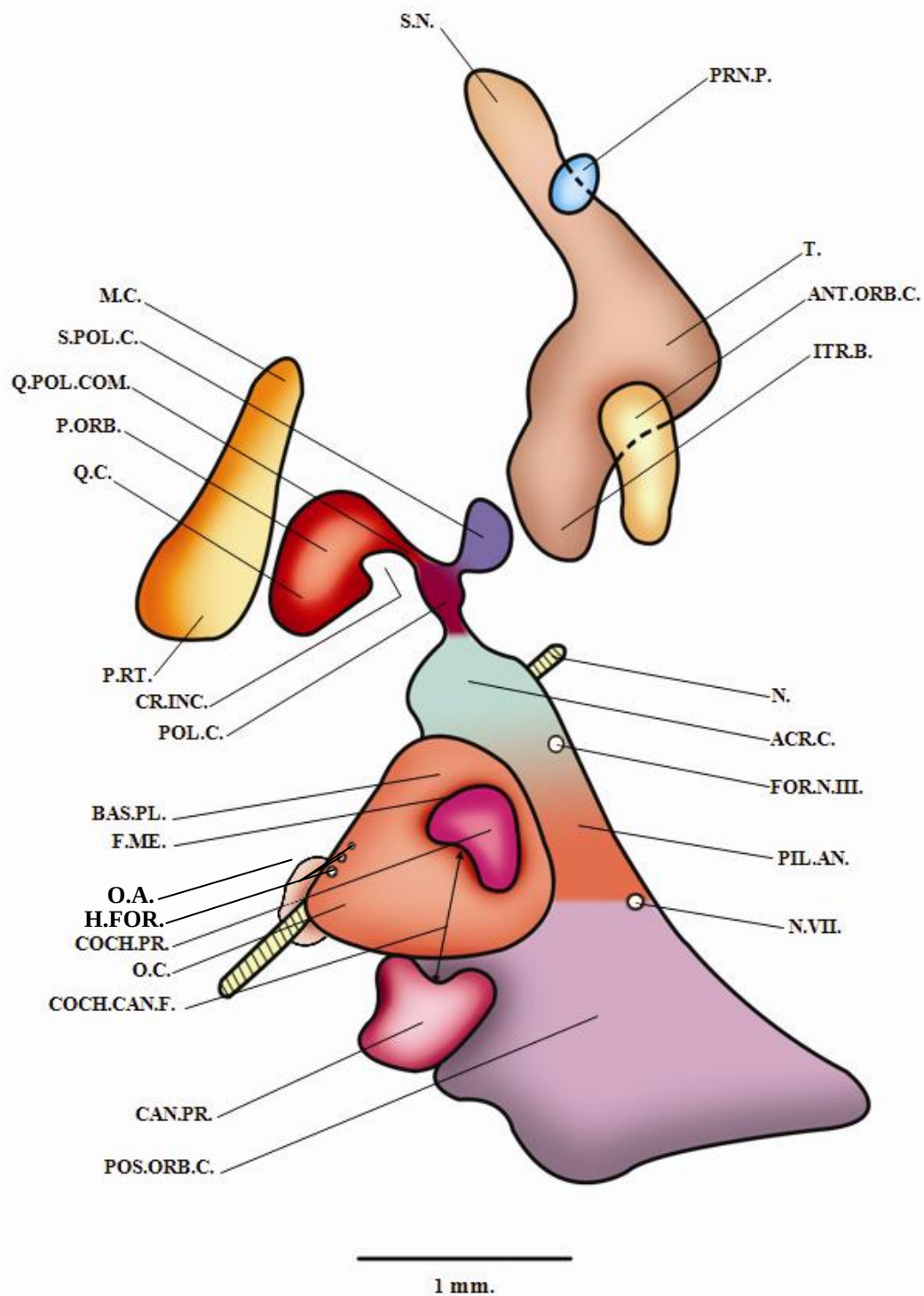


Fig.(11): Graphic reconstruction of chondrocranium of 32 mm. embryo stage of *Columba Livia* in a lateral view.

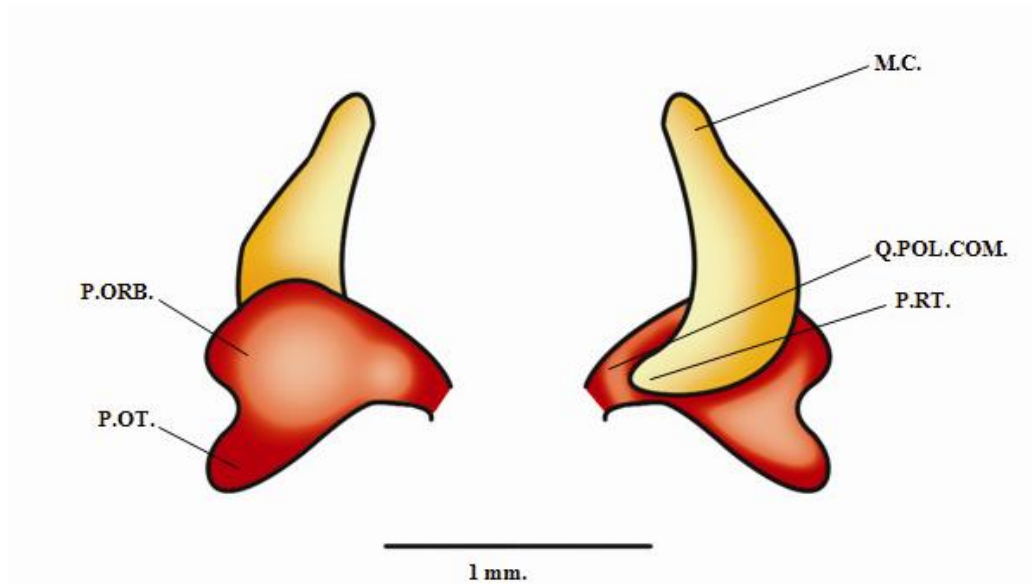


Fig.(12): Graphic reconstruction of the viscerocranium of 32 mm. embryo stage of *Columba Livia* in a ventral view.

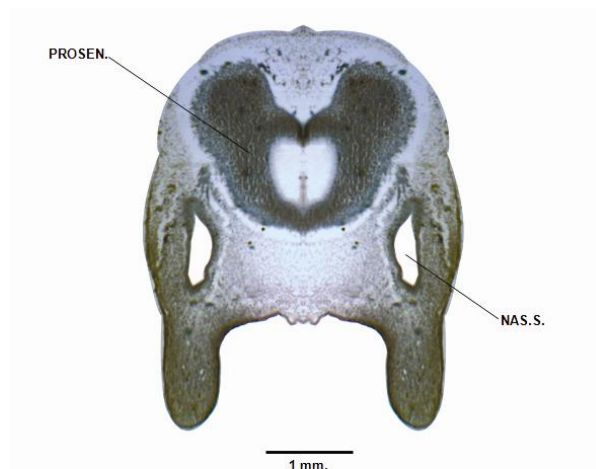


Fig.(13): T.S. passing through the anterior head region of 32 mm. embryo stage of *Columba Livia*.

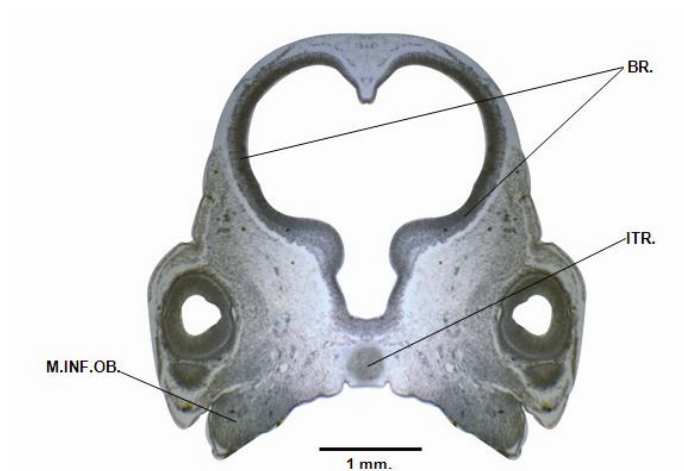


Fig.(14): T.S. passing through the anterior orbital region of 32 mm. embryo stage of *Columba Livia*.

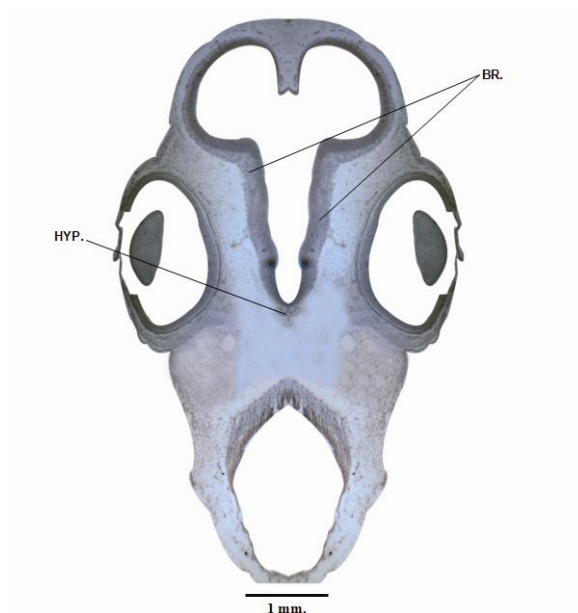


Fig.(15): T.S. passing through the anterior orbital region of 32 mm. embryo stage of *Columba Livia*.

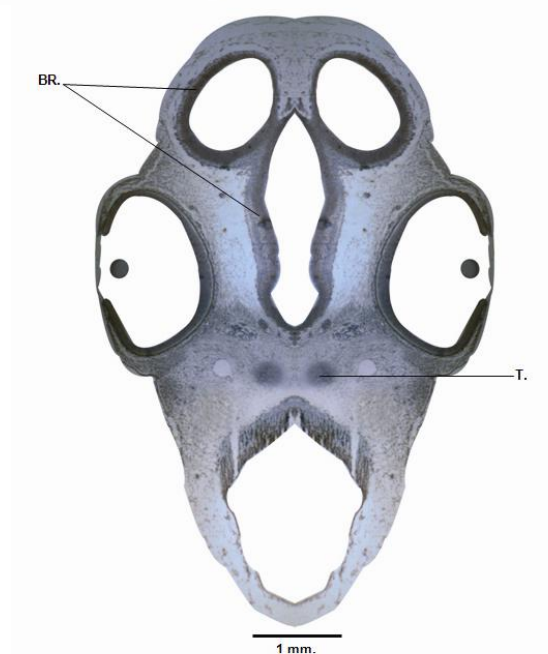


Fig.(16): T.S. passing through the mid-orbital region of 32 mm. embryo stage of *Columba Livia*.

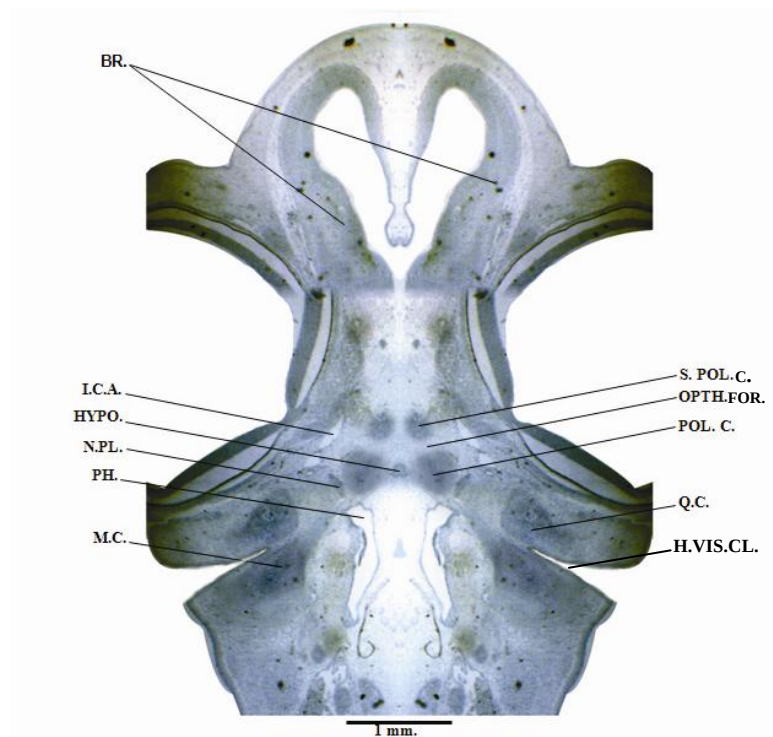


Fig.(17): T.S. passing through the posterior orbital region of 32 mm. embryo stage of *Columba Livia*.

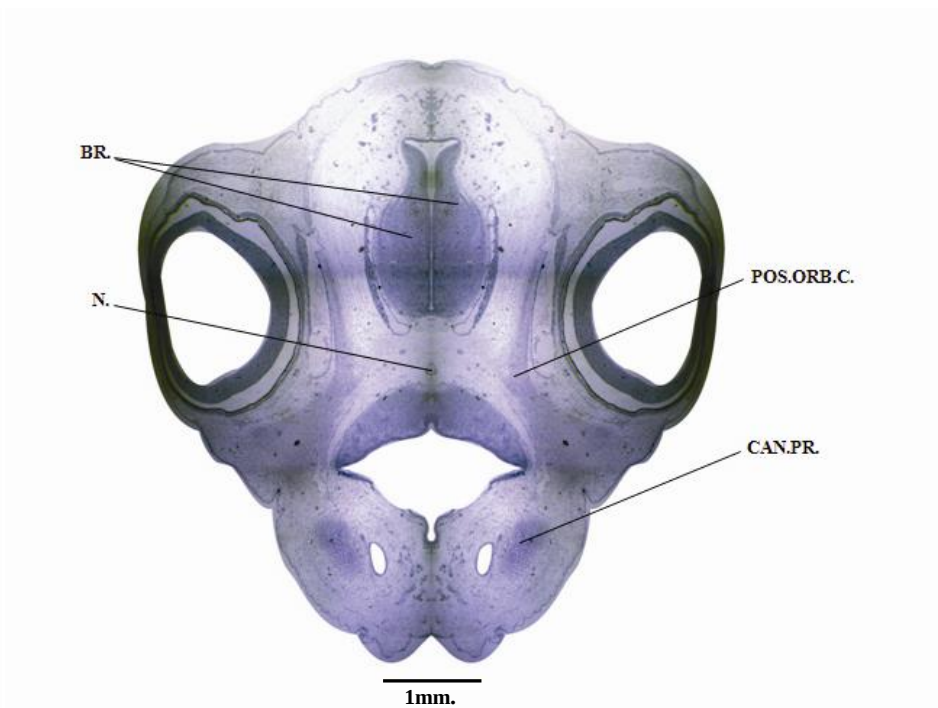


Fig.(18): T.S. passing through the posterior otic region of 32 mm. embryo stage of *Columba Livia*.

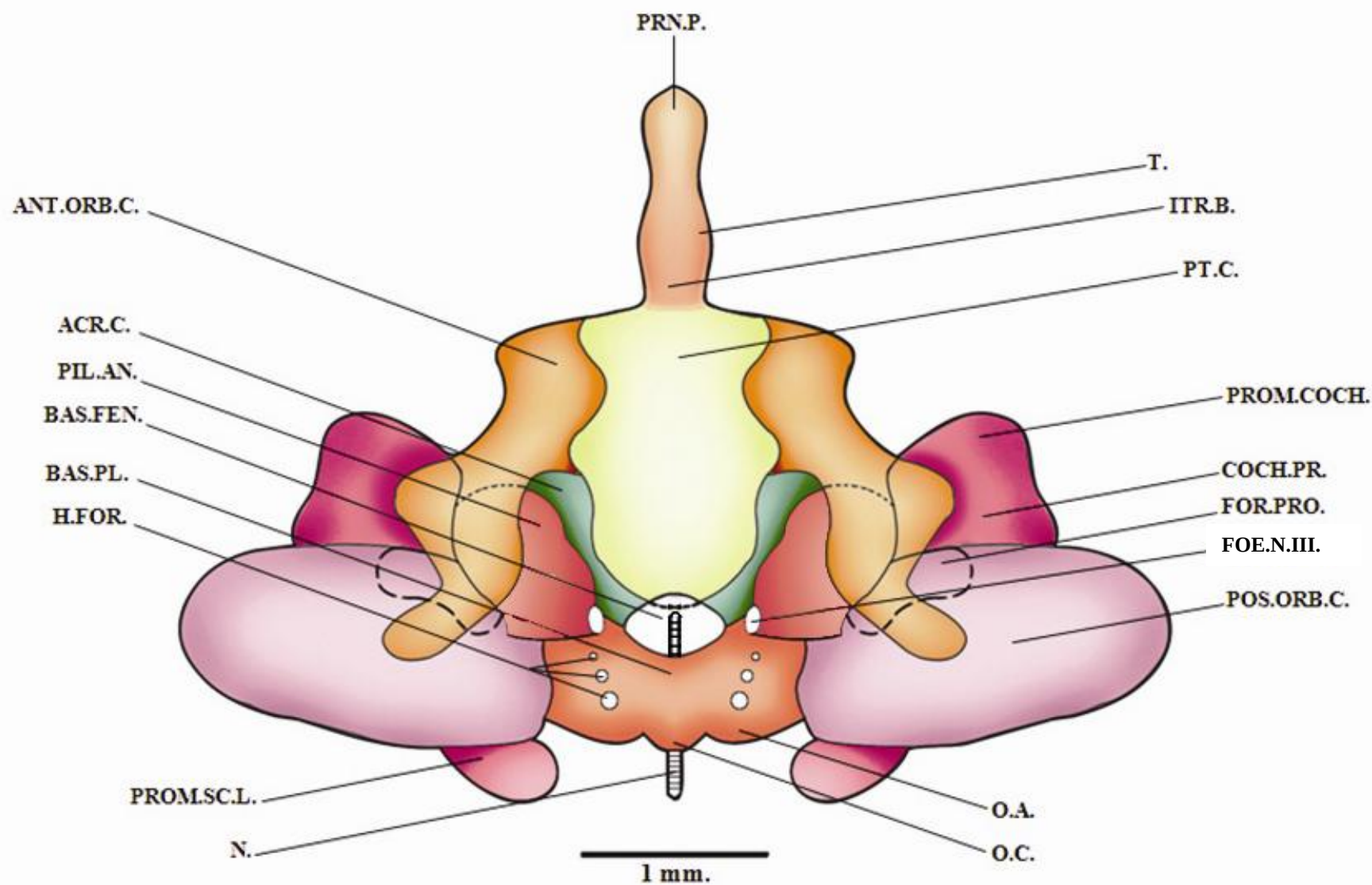


Fig.(19): Graphic reconstruction of neurocranium of 40 mm. embryo stage of *Columba Livia* in a dorsal view.

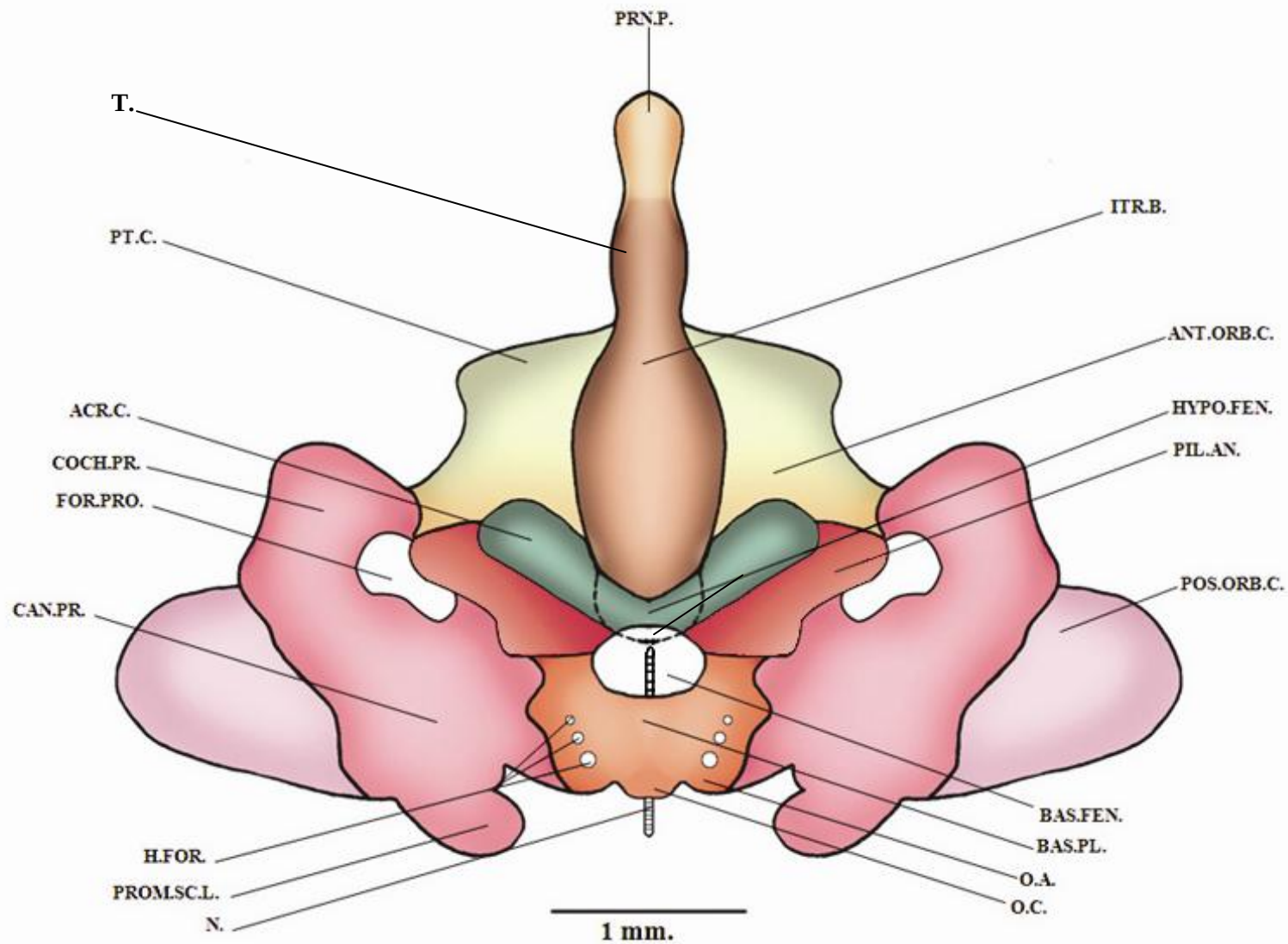


Fig.(20): Graphic reconstruction of the neurocranium of 40 mm. embryo stage of *Columba Livia* in a ventral view.

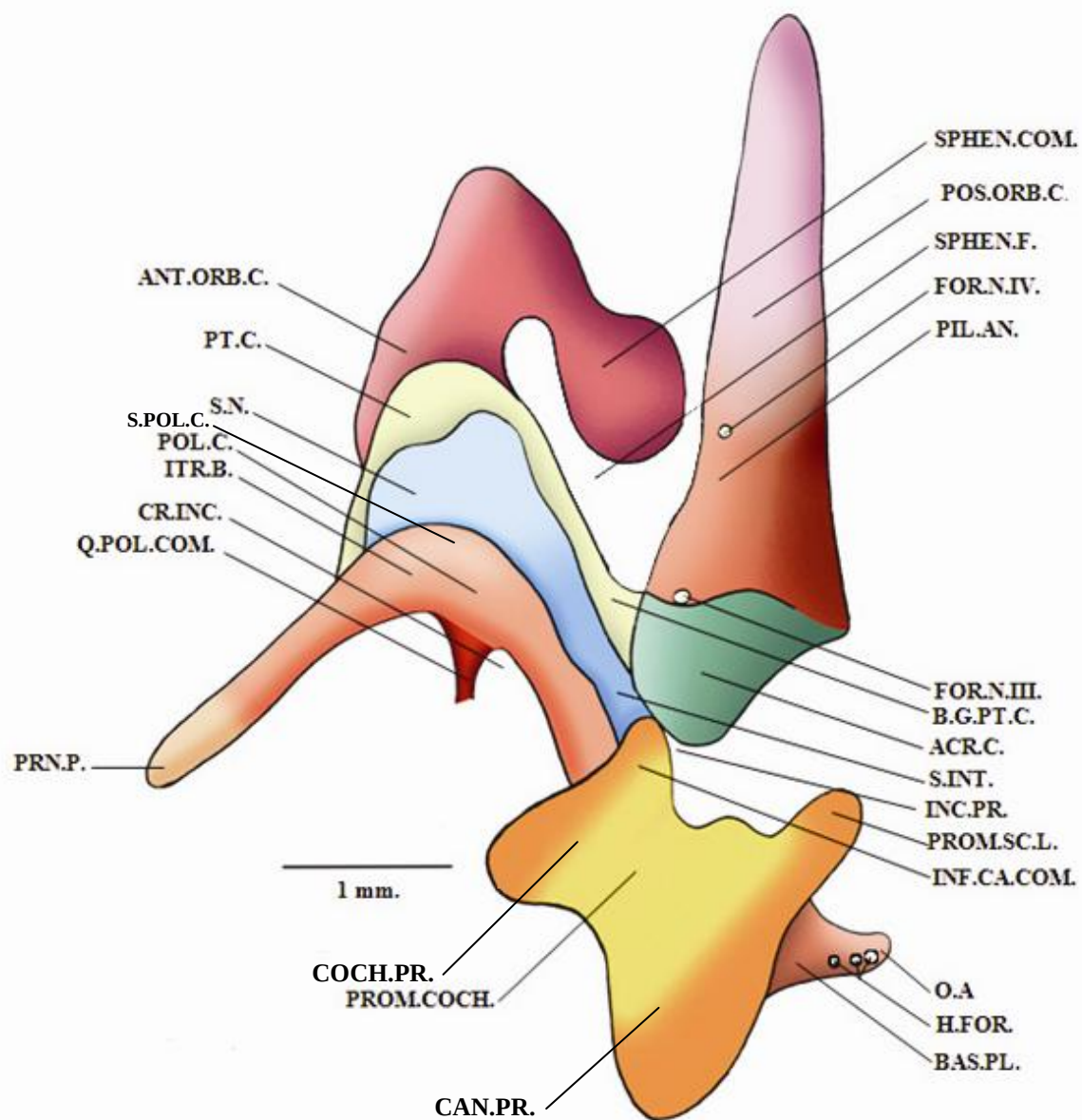


Fig.(21): Graphic reconstruction of the neurocranium of 40 mm. embryo stage of *Columba Livia* in a lateral view.

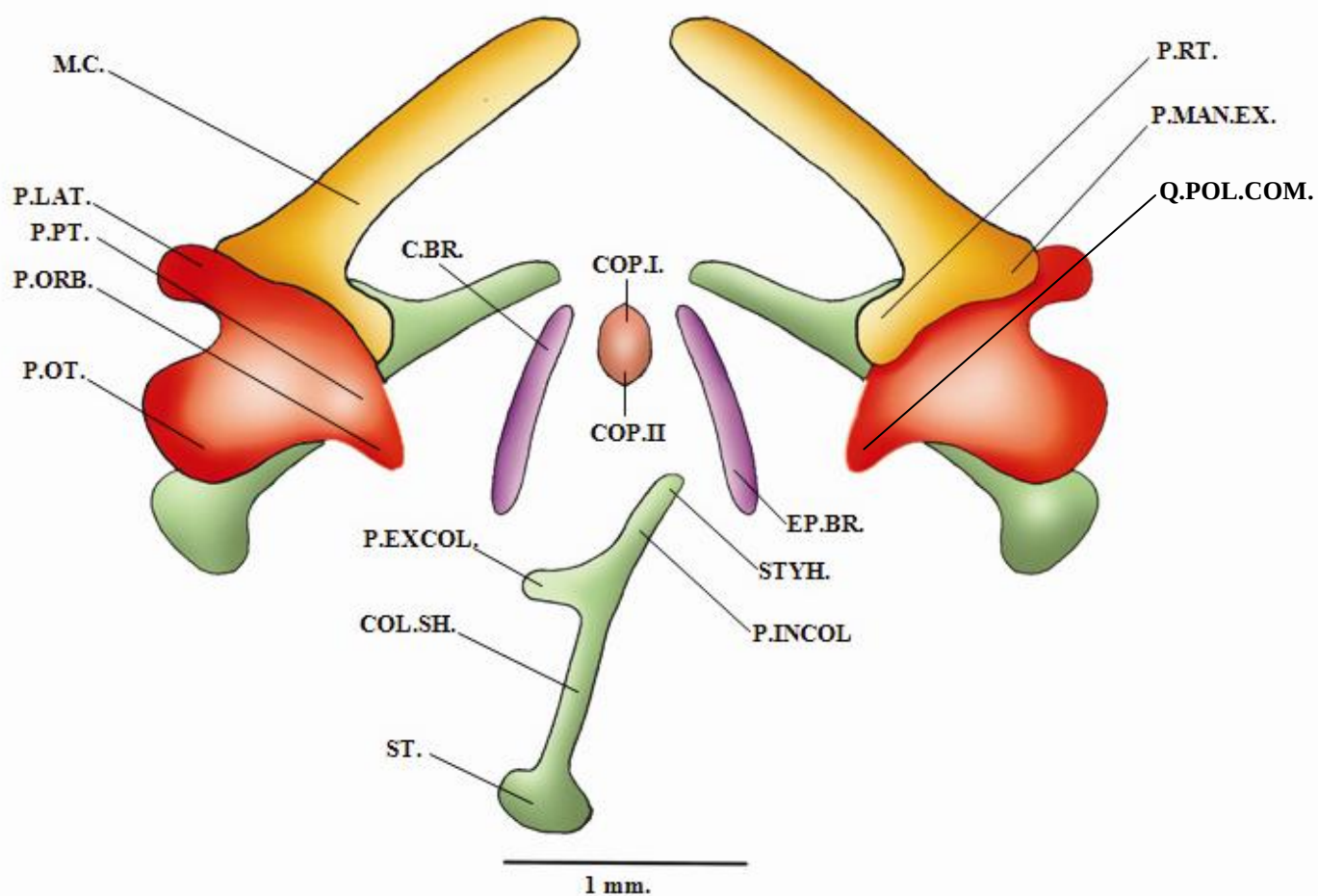


Fig.(22): Graphic reconstruction of the viscerocranium of 40 mm. embryo stage of *Columba Livia* in a ventral view.

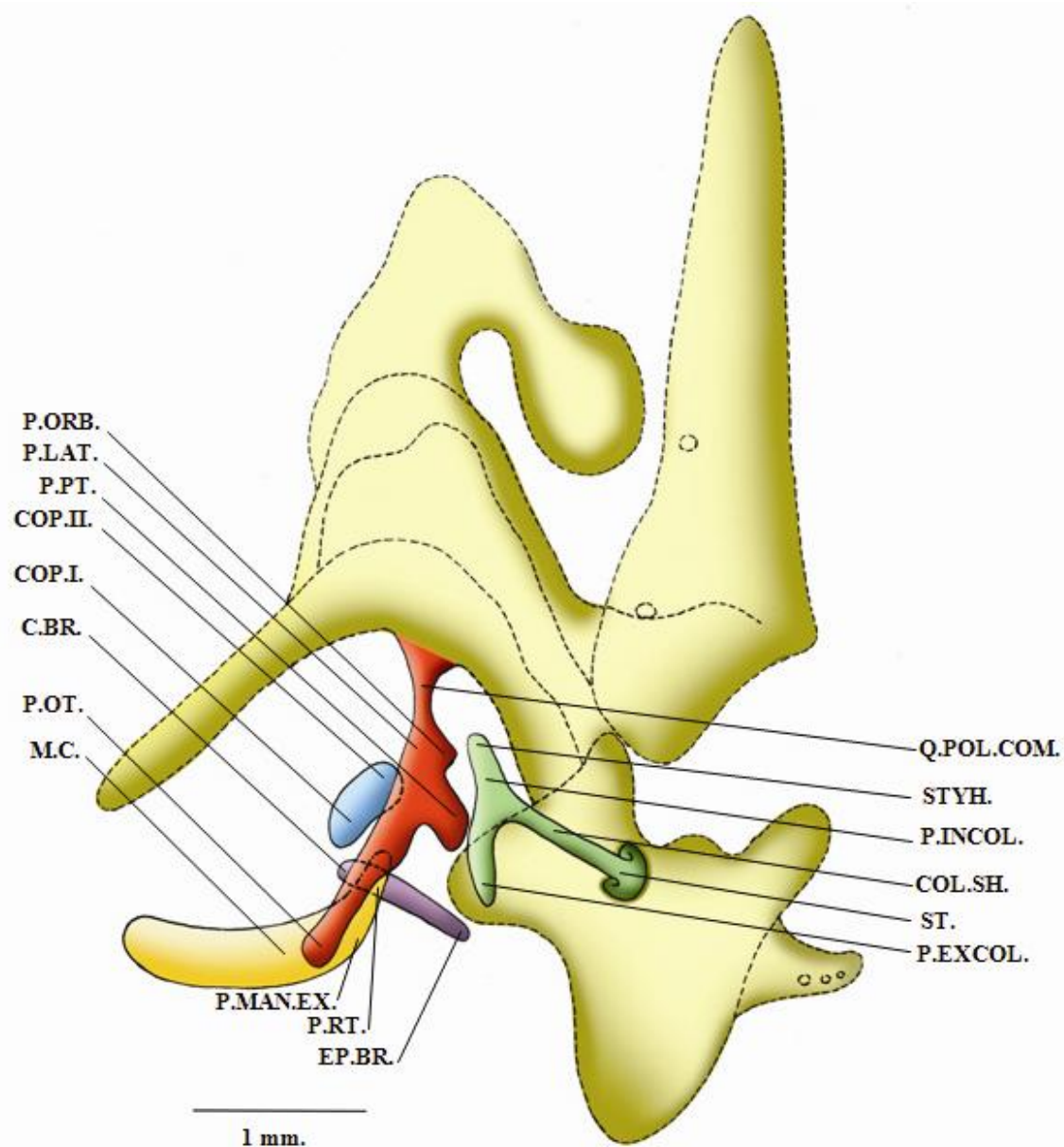


Fig.(23): Graphic reconstruction of the chondrocranium of 40 mm. embryo stage of *Columba Livia* in a lateral view.

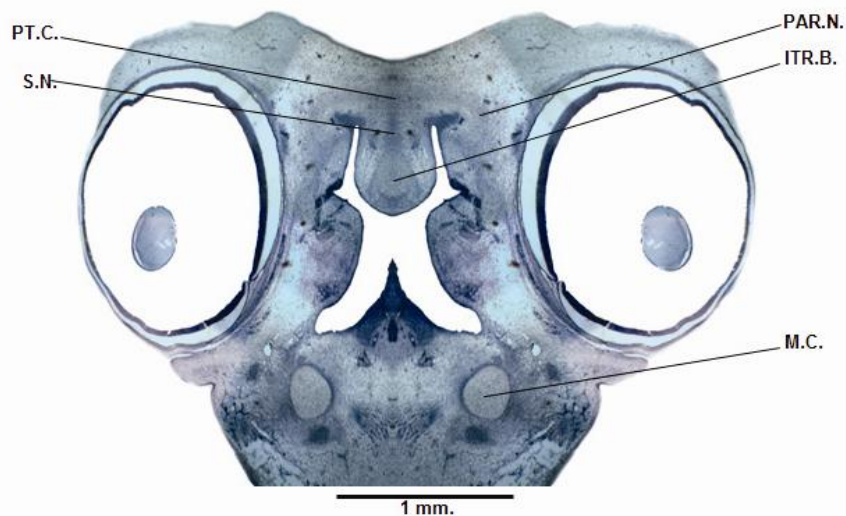


Fig.(24): T.S.passing through the posterior part of the nasal region of 40 mm. embryo stage of *Columba livia*.

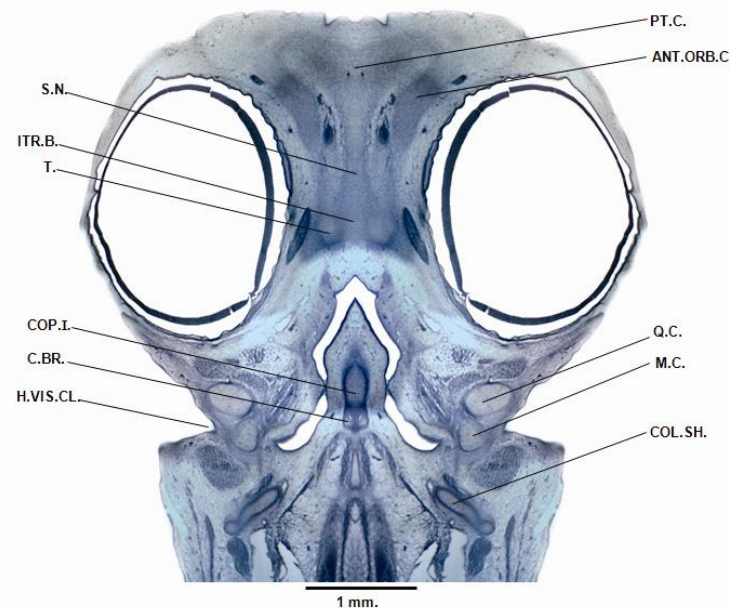


Fig.(25): T.S.passing through the anterior part of the orbital region of 40mm. embryo stage of *Columba livia*.

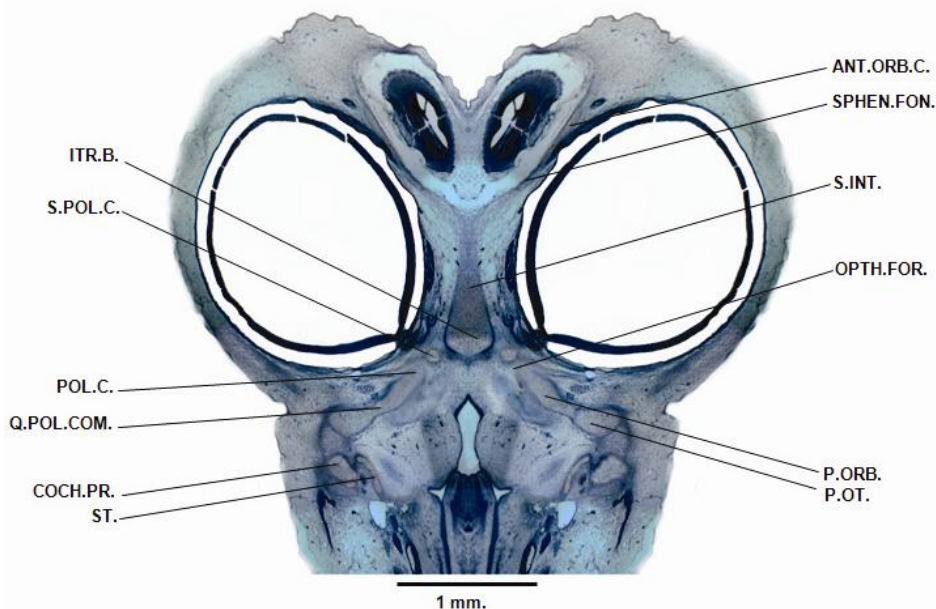


Fig.(26): T.S.passing through the mid-orbital region of 40 mm. embryo stage of *Columba livia*.

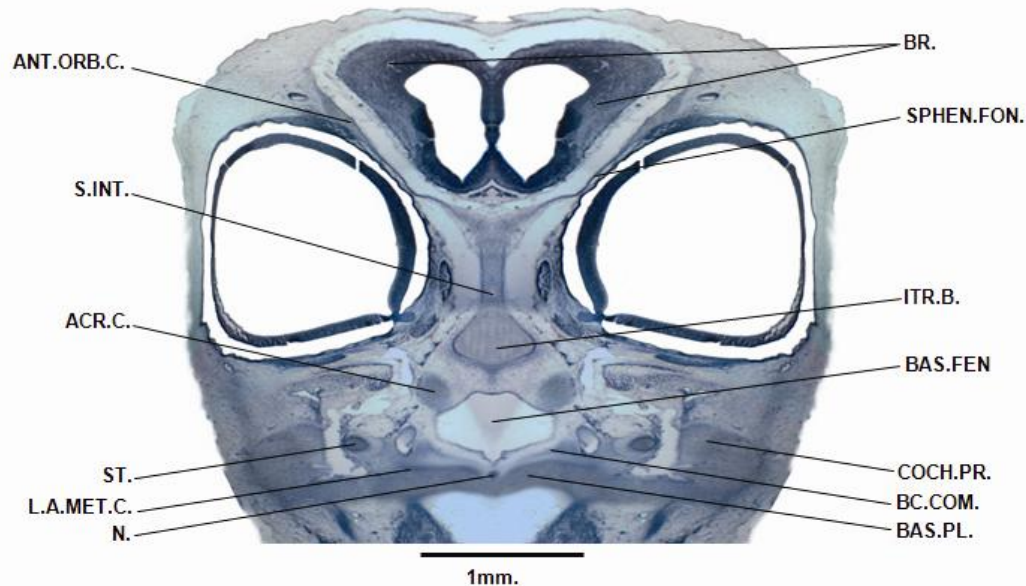


Fig.(27): T.S.passing through the anterior auditory region of 40 mm. embryo stage of *Columba livia*.

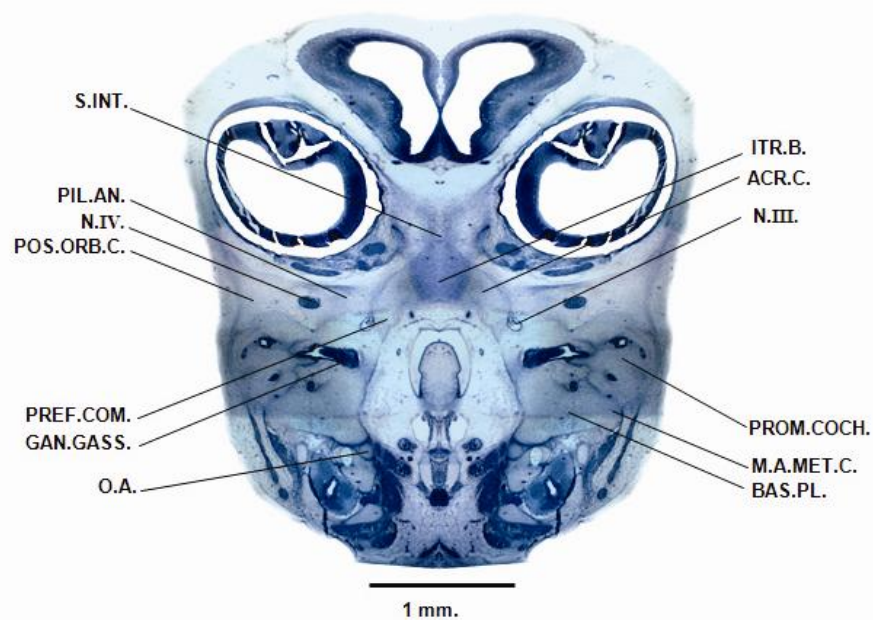


Fig.(28): T.S.passing through the posterior part of the auditory region of 40 mm. embryo stage of *Columba Livia*.

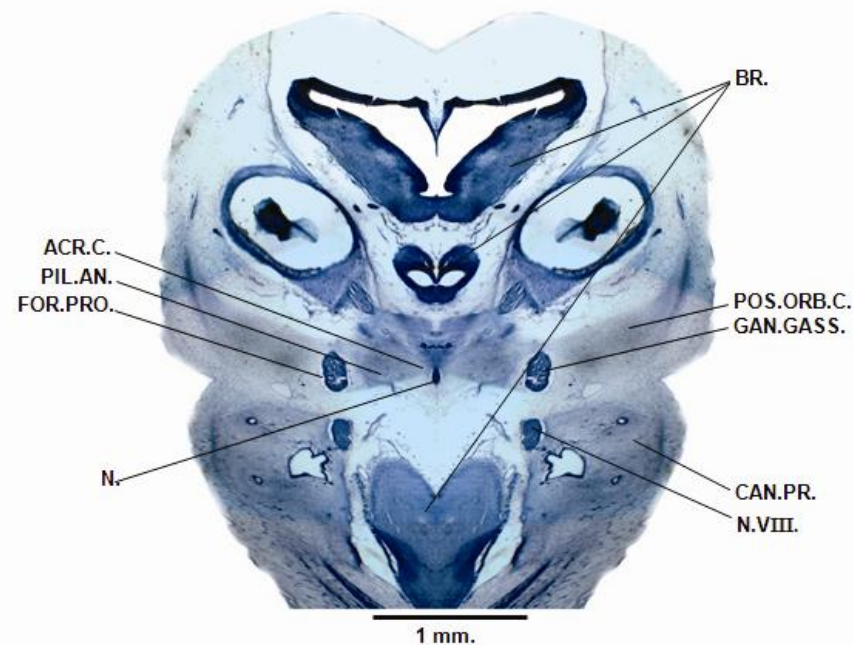


Fig.(29): T.S.passing through the posterior part of the auditory region of 40 mm. embryo stage of *Columba Livia*.

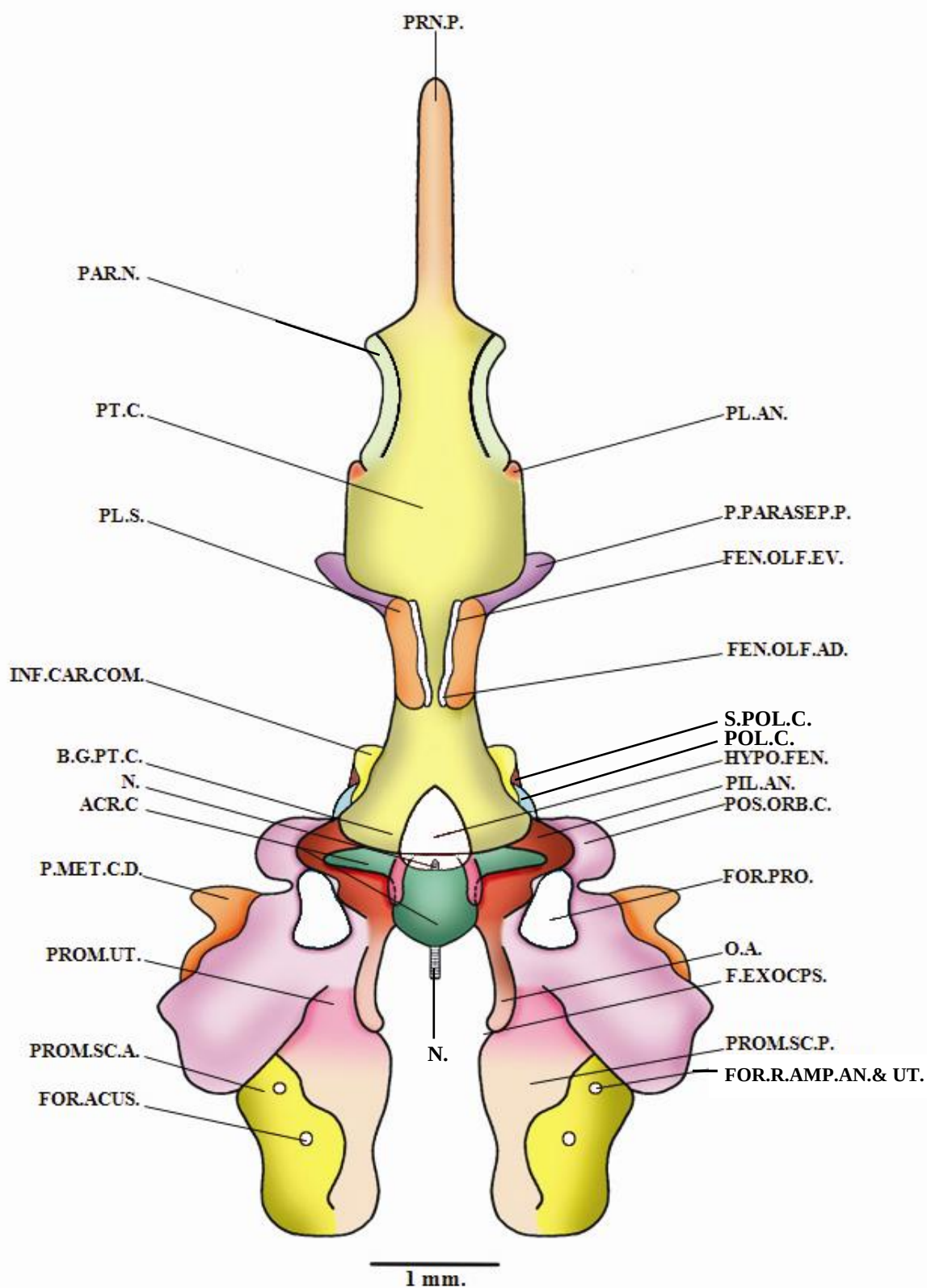


Fig.(30): Graphic reconstruction of the neurocranium of 46 mm. embryo stage of *Coumba Livia* in a dorsal view.

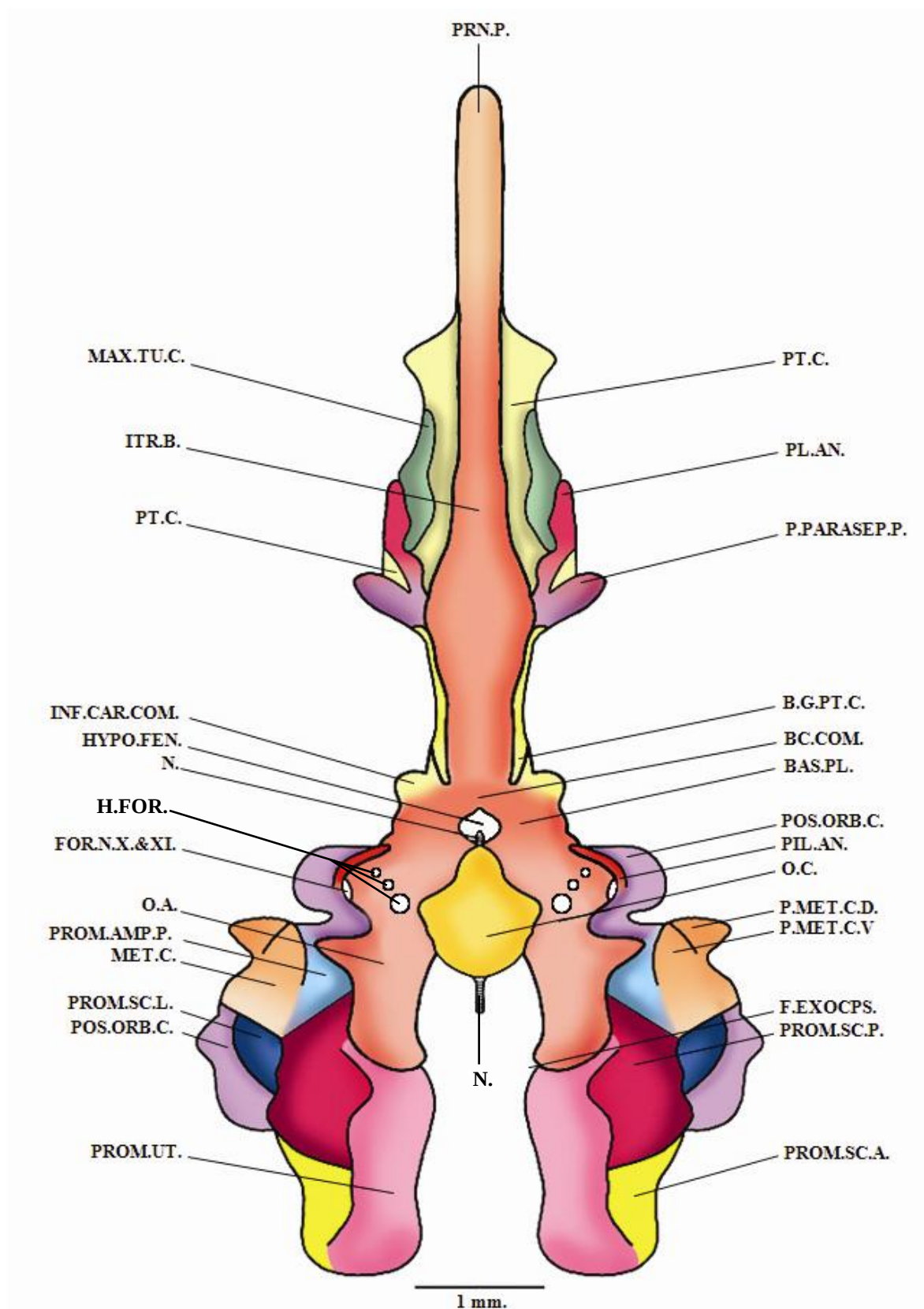


Fig.(31): Graphic reconstruction of the neurocranium of 46 mm. embryo stage of *Columba Livia* in a ventral view.

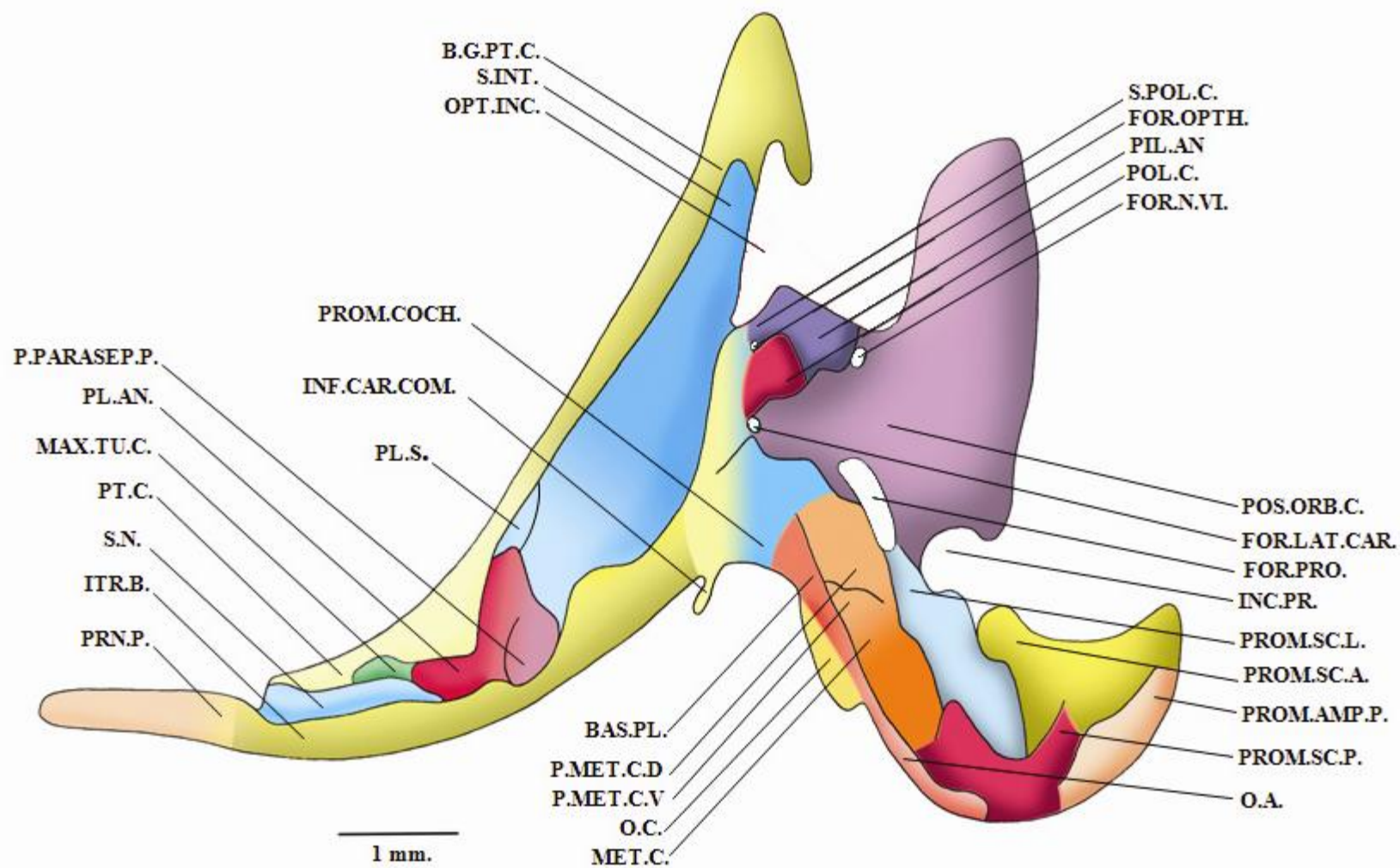


Fig.(32): Graphic reconstruction of the neurocranium of 46 mm. embryo stage of *Columba Livia* in a lateral view.

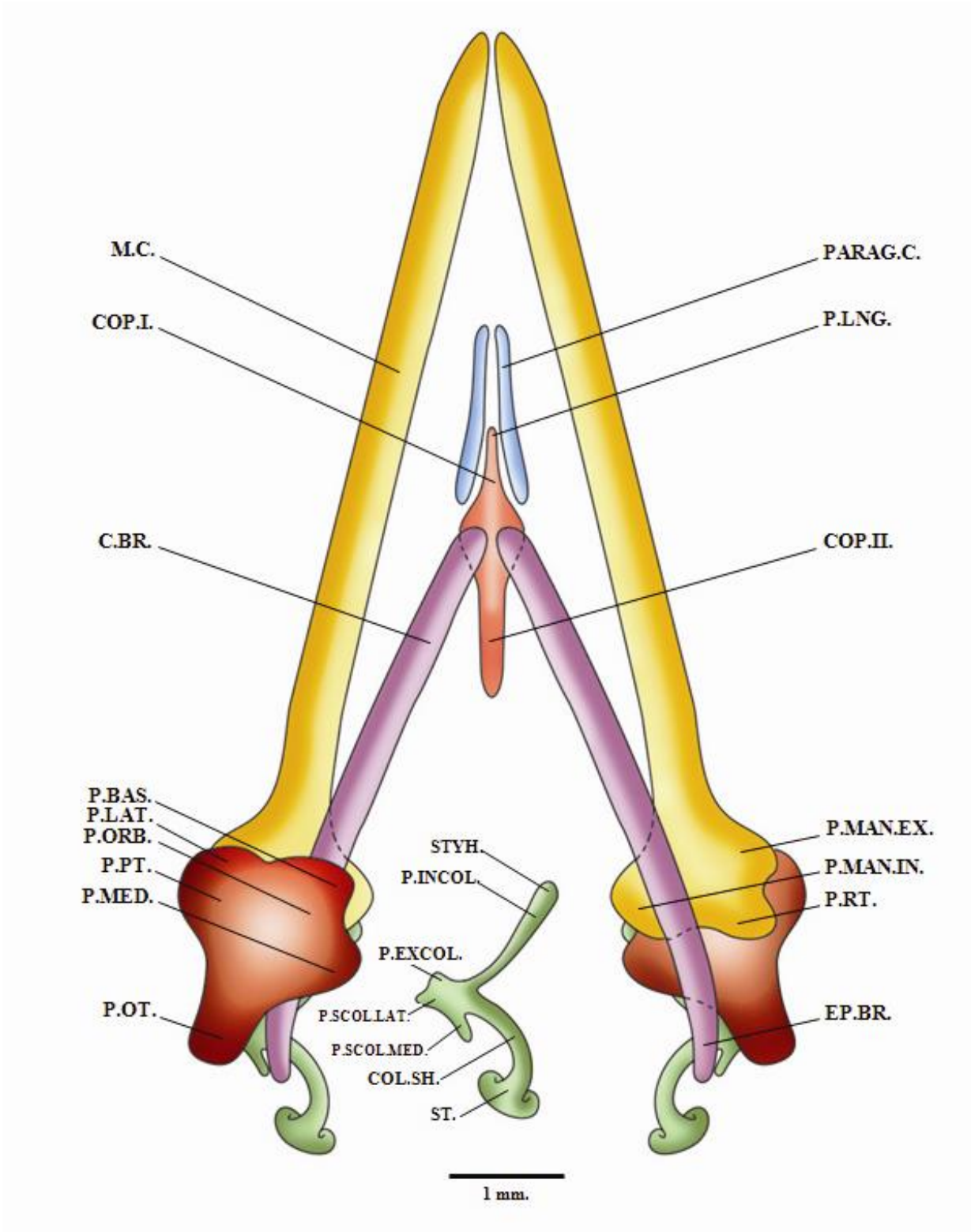


Fig.(33): Graphic reconstruction of the viscerocranium of 46 mm. embryo stage of *Columba Livia* in a ventral view.

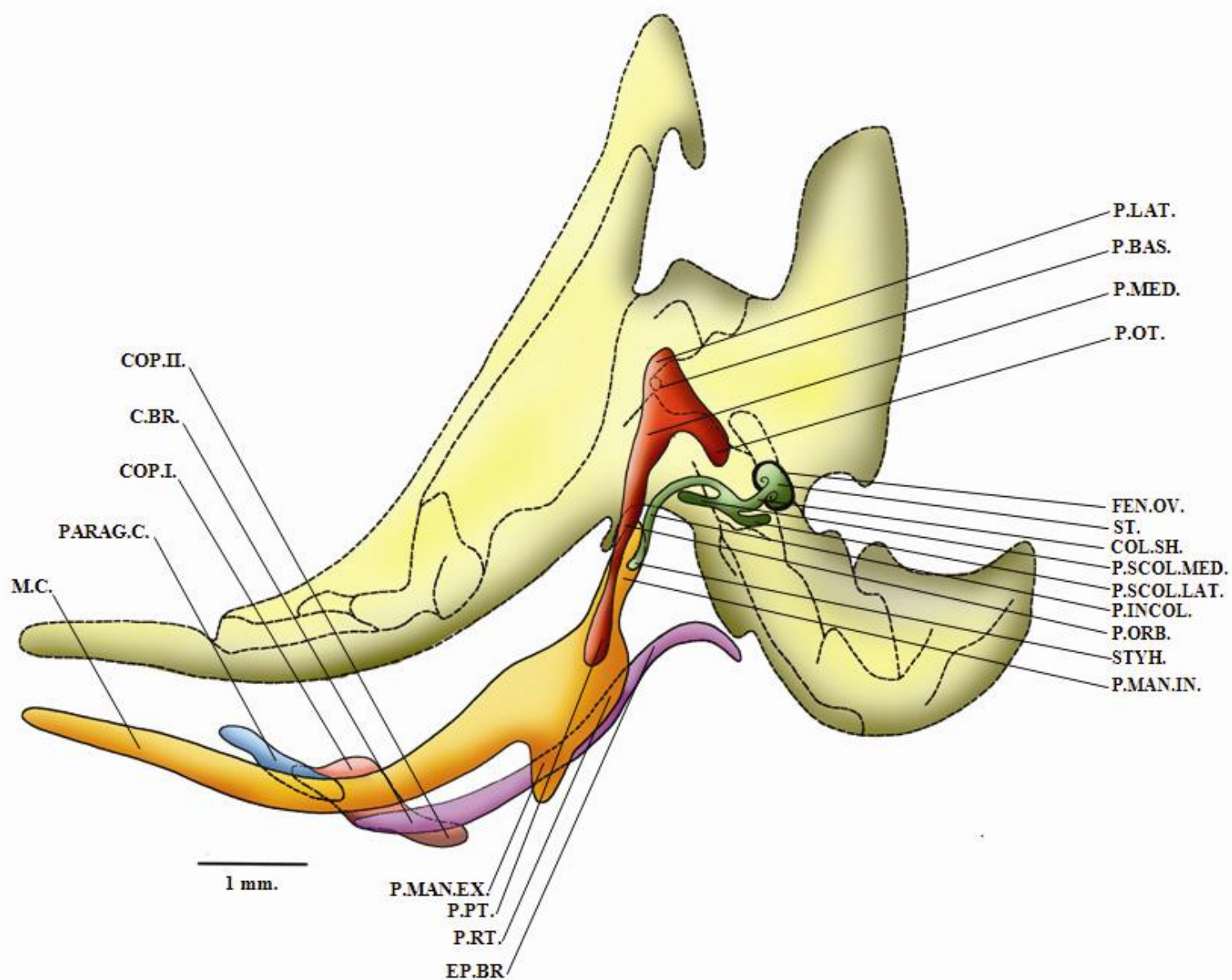


Fig.(34): Graphic reconstruction of the chondrocranium of 46 mm. embryo stage of *Columba Livia* in a lateral view.

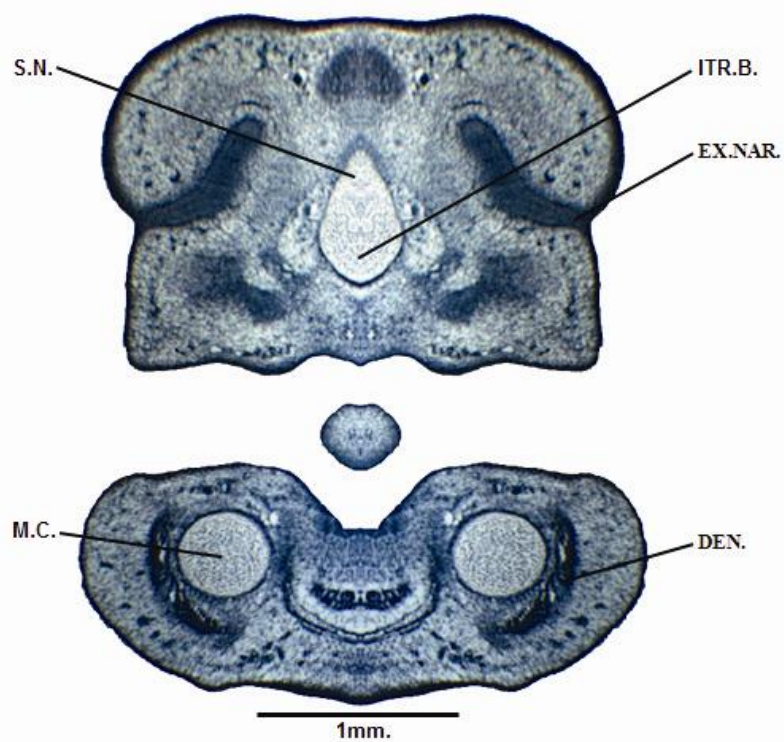


Fig.(35): T.S. passing through the most anterior region of the nasal capsule of 46 mm. embryo stage of *Columba livia*.

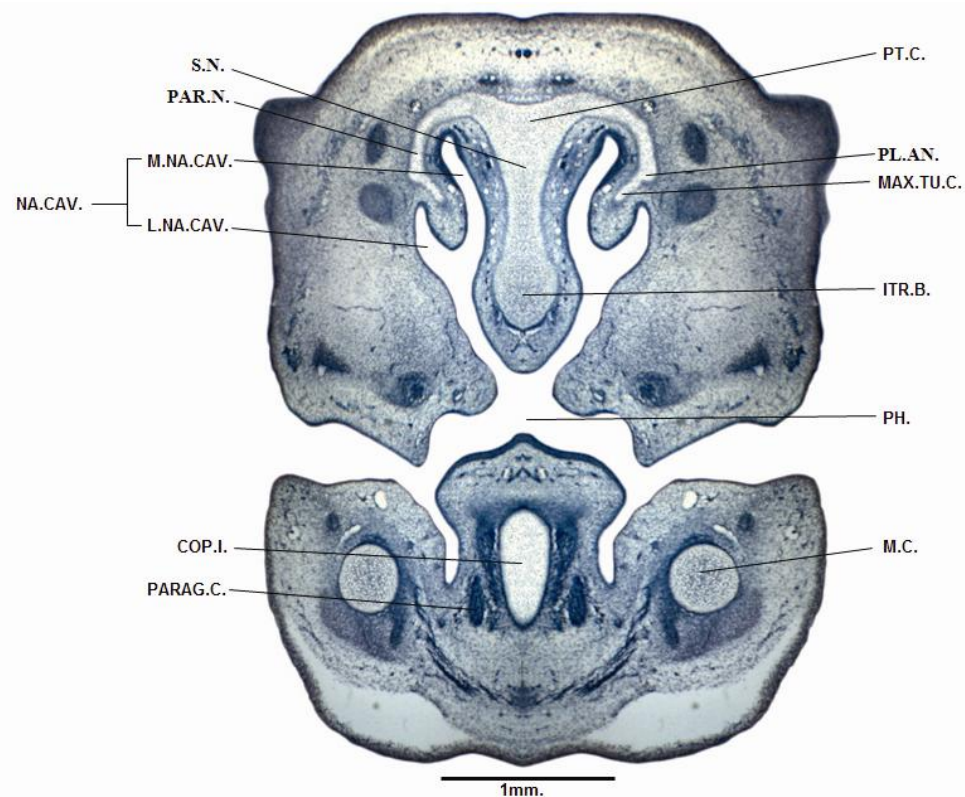


Fig.(36): T.S. passing through the middle region of the nasal capsule of 46 mm. embryo stage of *Columba livia*.



Fig.(37): T.S. passing through the middle region of the nasal capsule of 46 mm. embryo stage of *Columba Livia*.

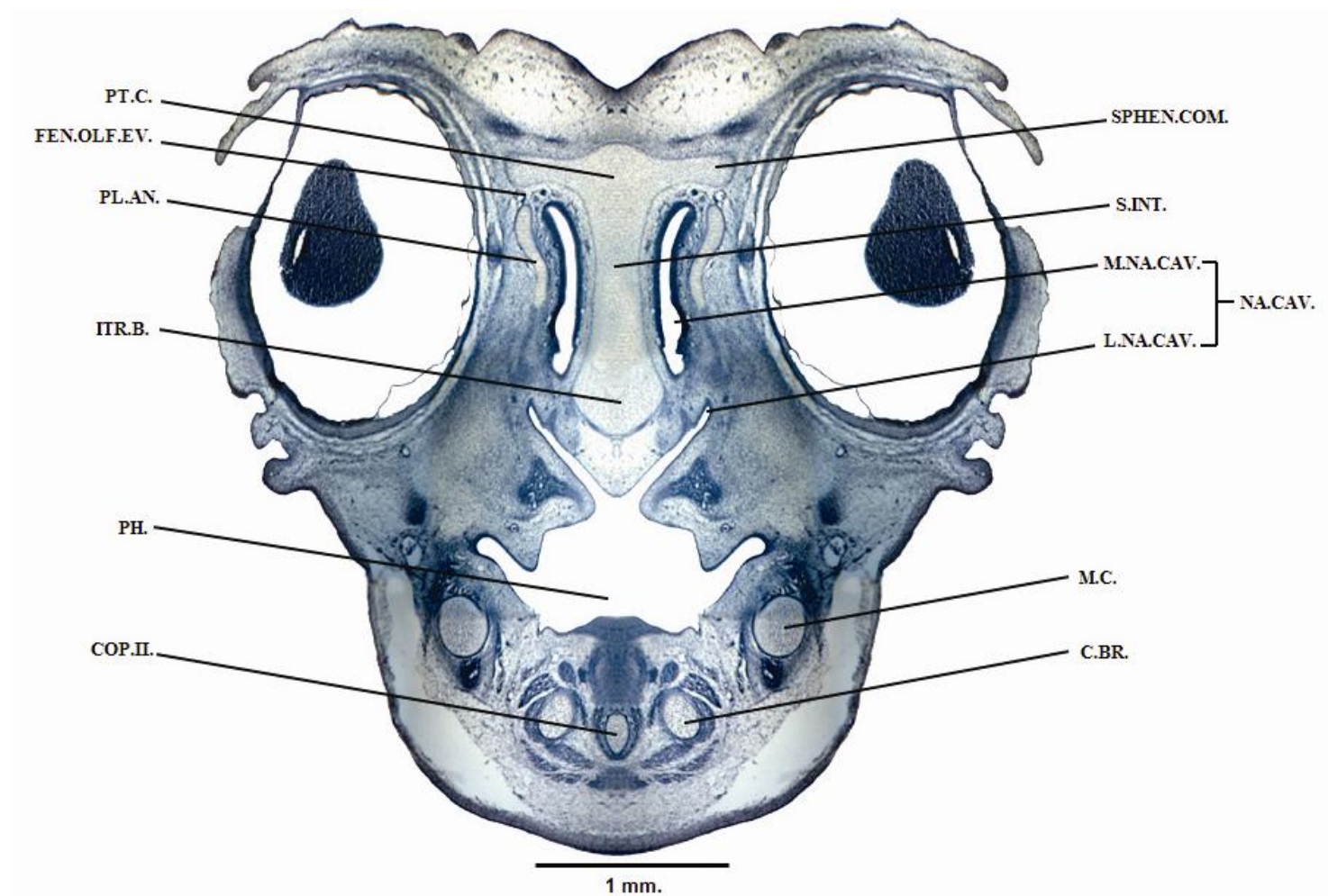


Fig.(38): T.S.passing through the posterior region of the nasal capsule of 46 mm. embryo stage of *Columba Livia*.

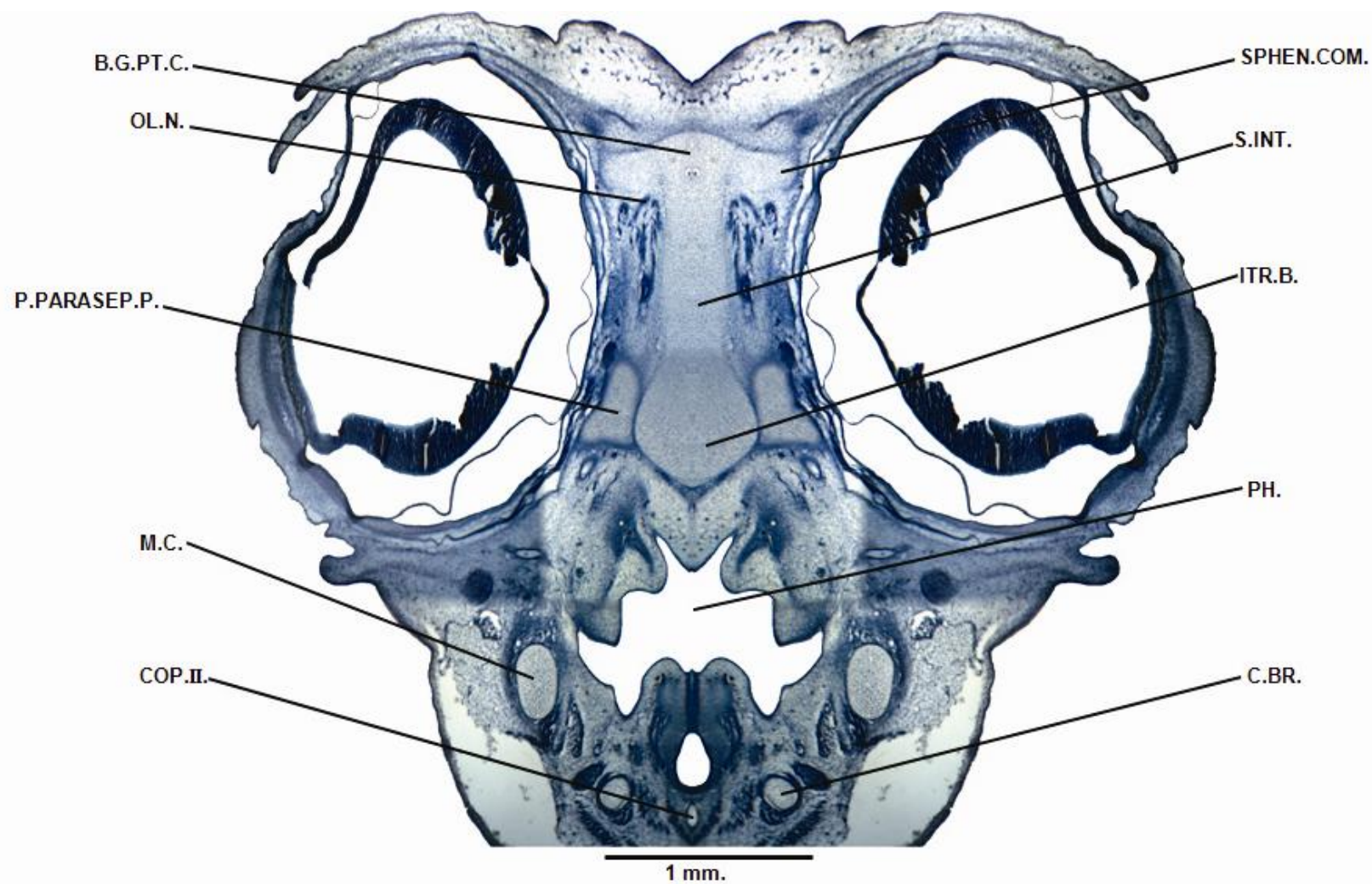
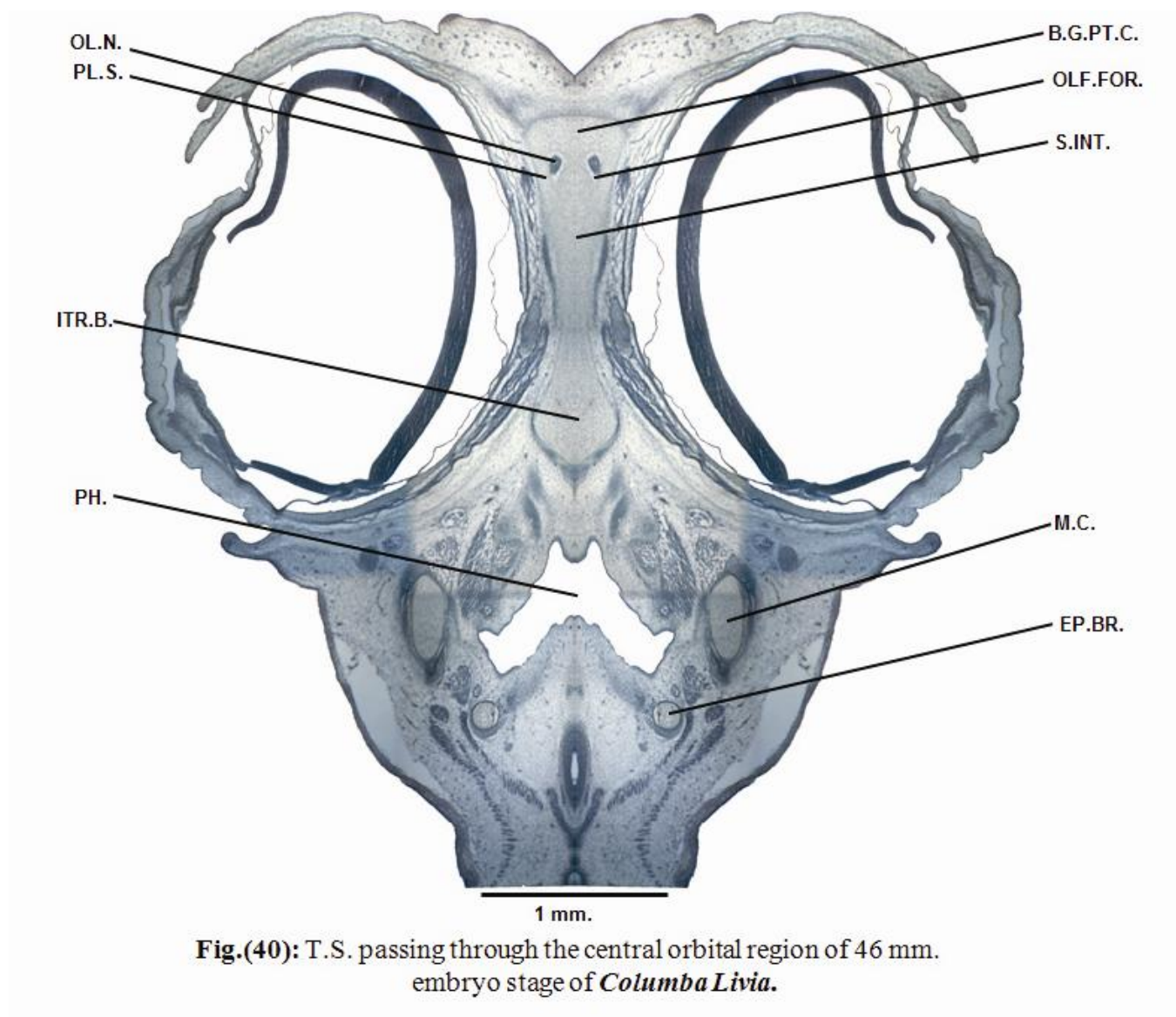


Fig.(39): T.S. passing through the anterior orbital region of 46 mm. embryo stage of *Columba Livia*.



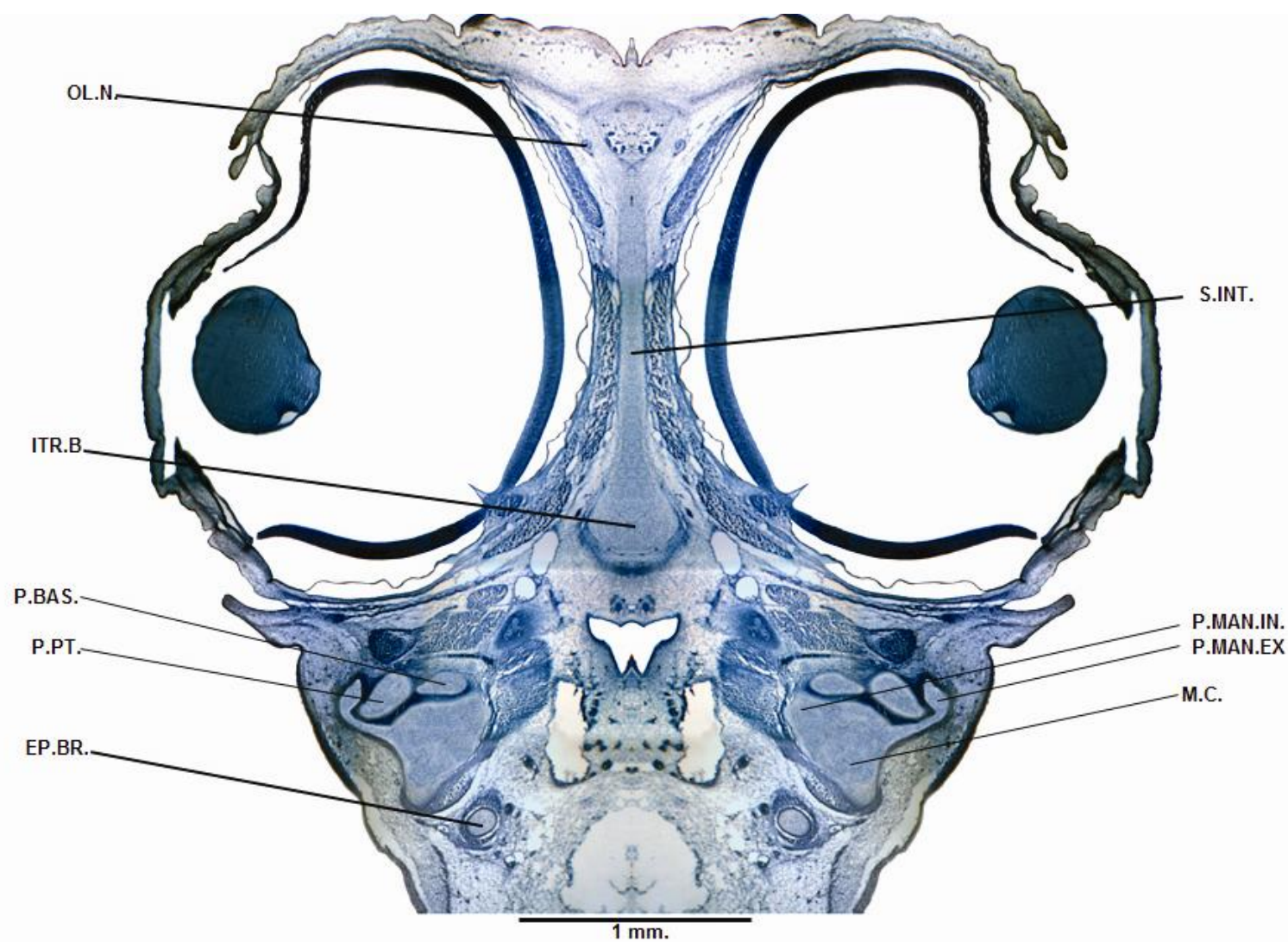


Fig.(41): T.S. passing through the mid-orbital region of 46 mm. embryo stage of *Colmba Livia*.

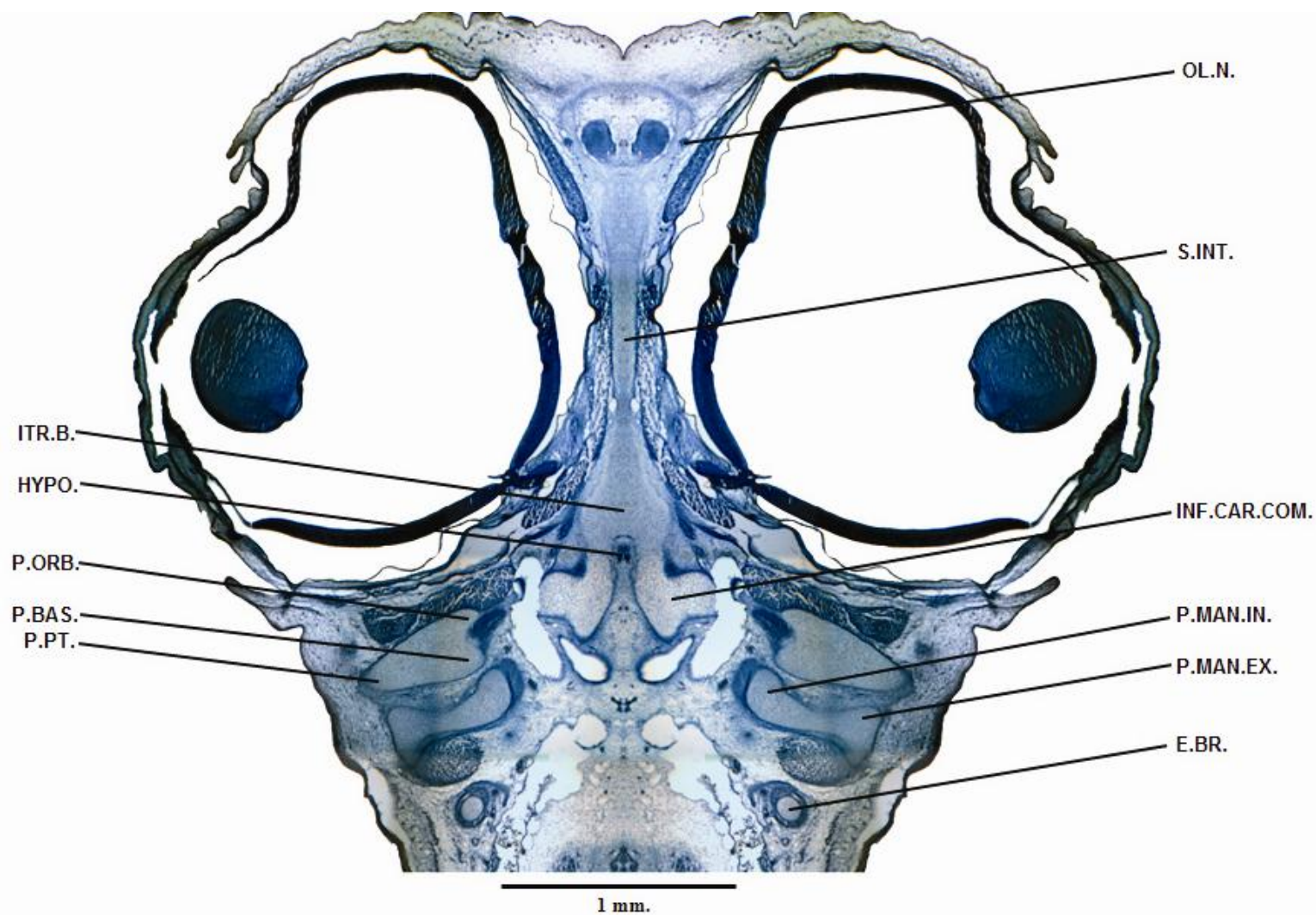


Fig.(42): T.S. passing through the posterior part of the orbital region of 46 mm. embryo stage of *Columba Livia*.

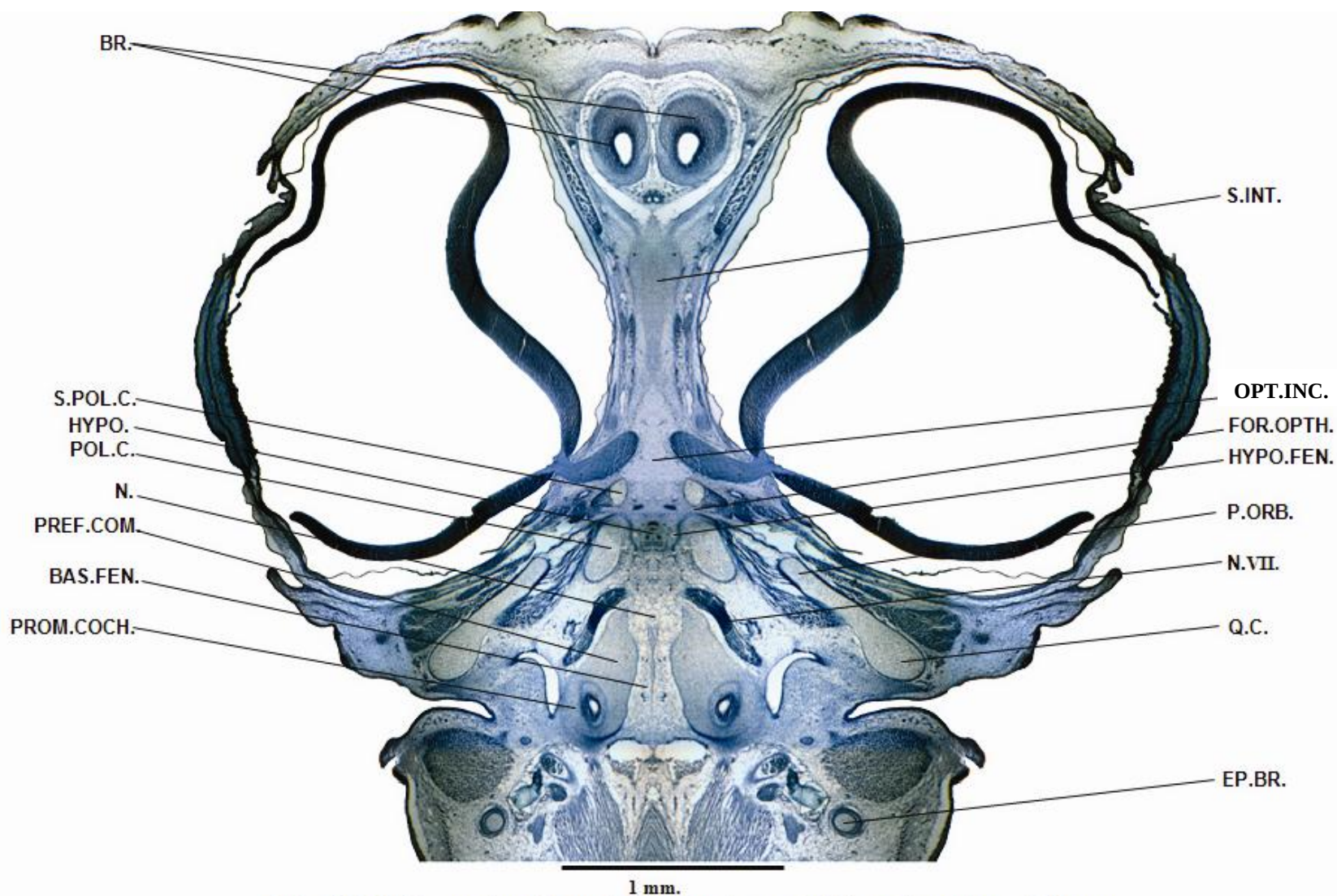


Fig.(43): T.S. passing through the anterior part of the otic region of 46 mm. embryo stage of *Columba Livia*.

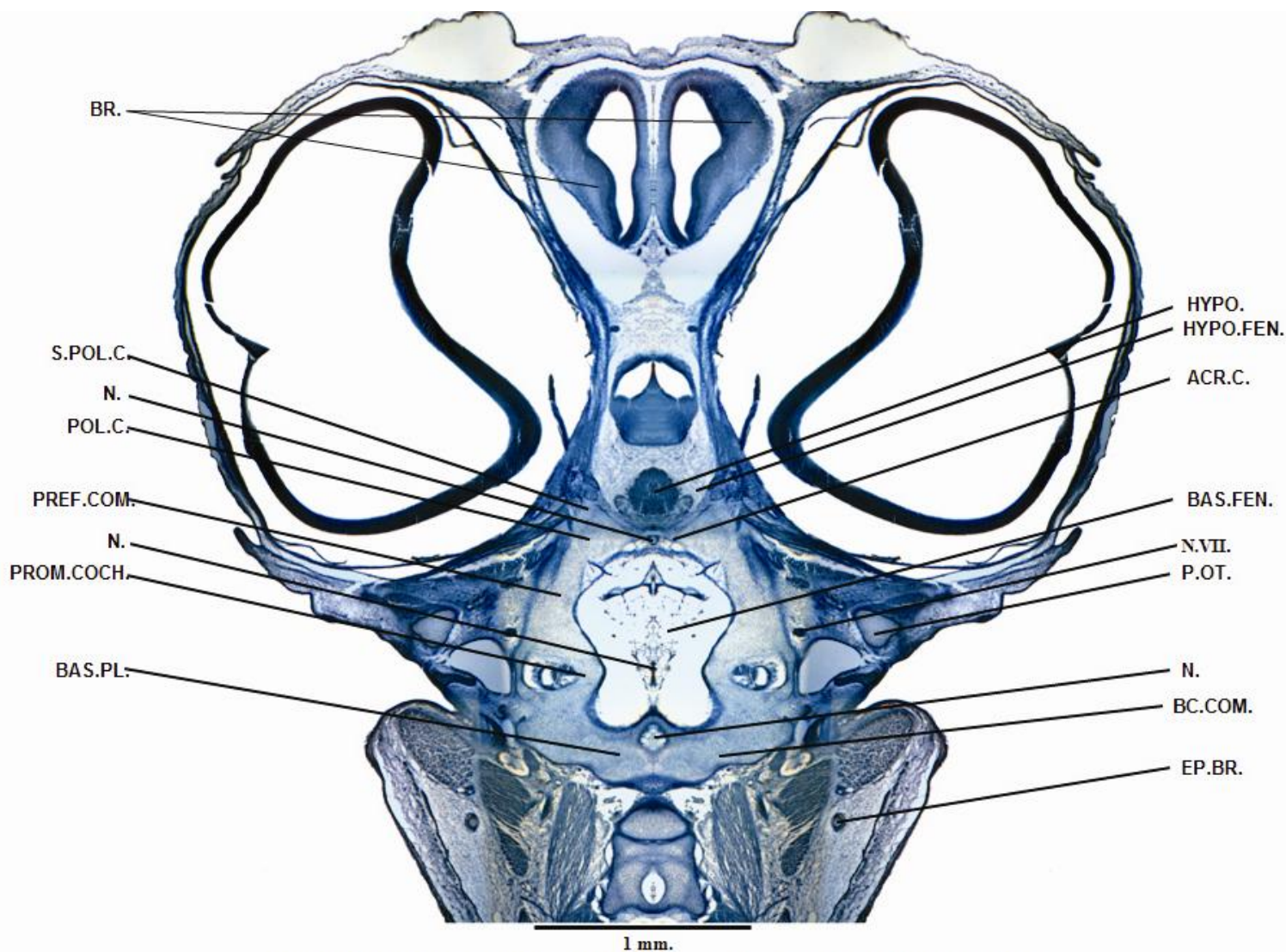


Fig.(44): T.S. passing through the mid-auditory region of 46 mm.embryo stage of *Columba Livia*.

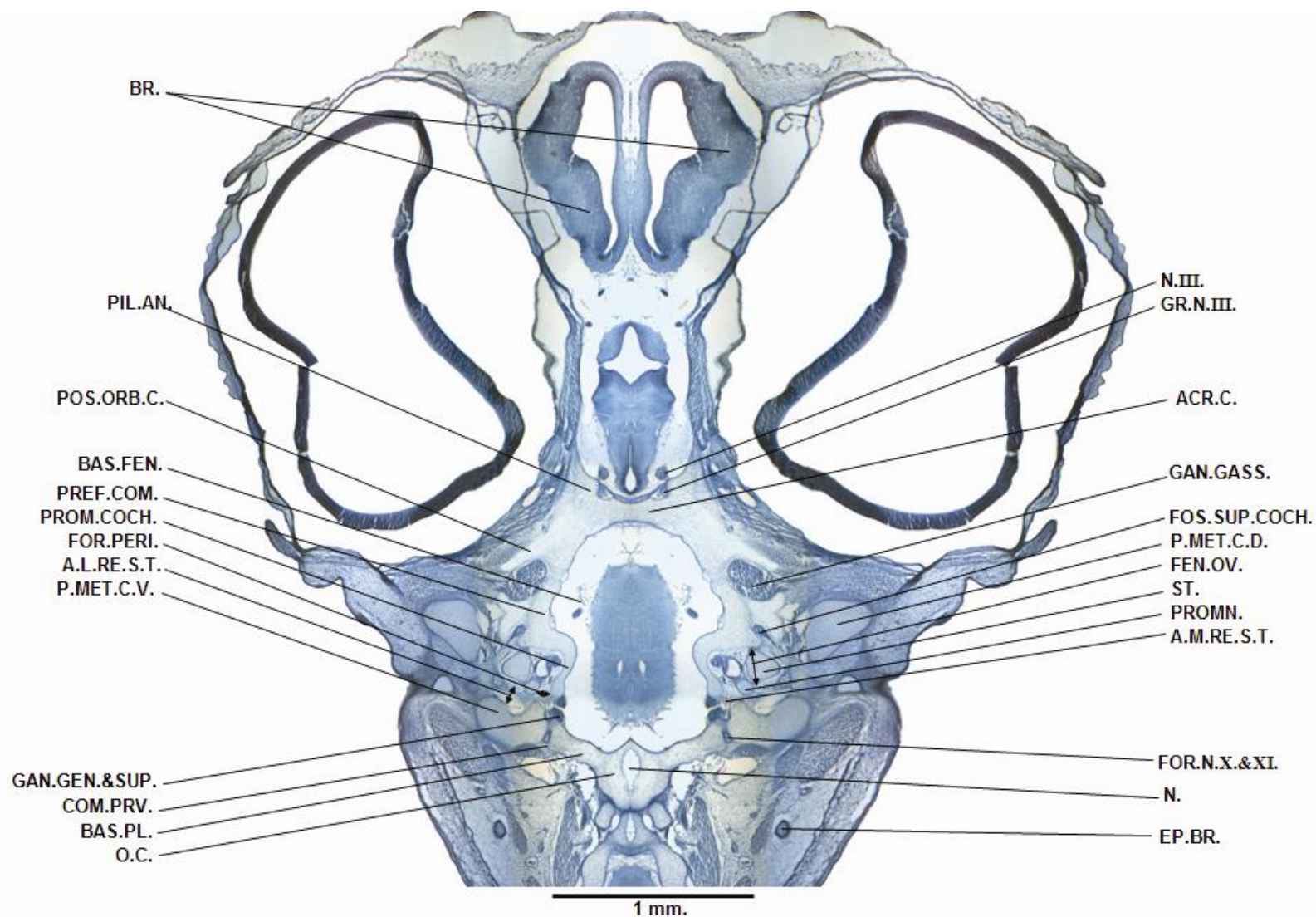


Fig.(45): T.S. passing through middle part of the auditory capsule of 46 mm. embryo stage of *Columba Livia*.

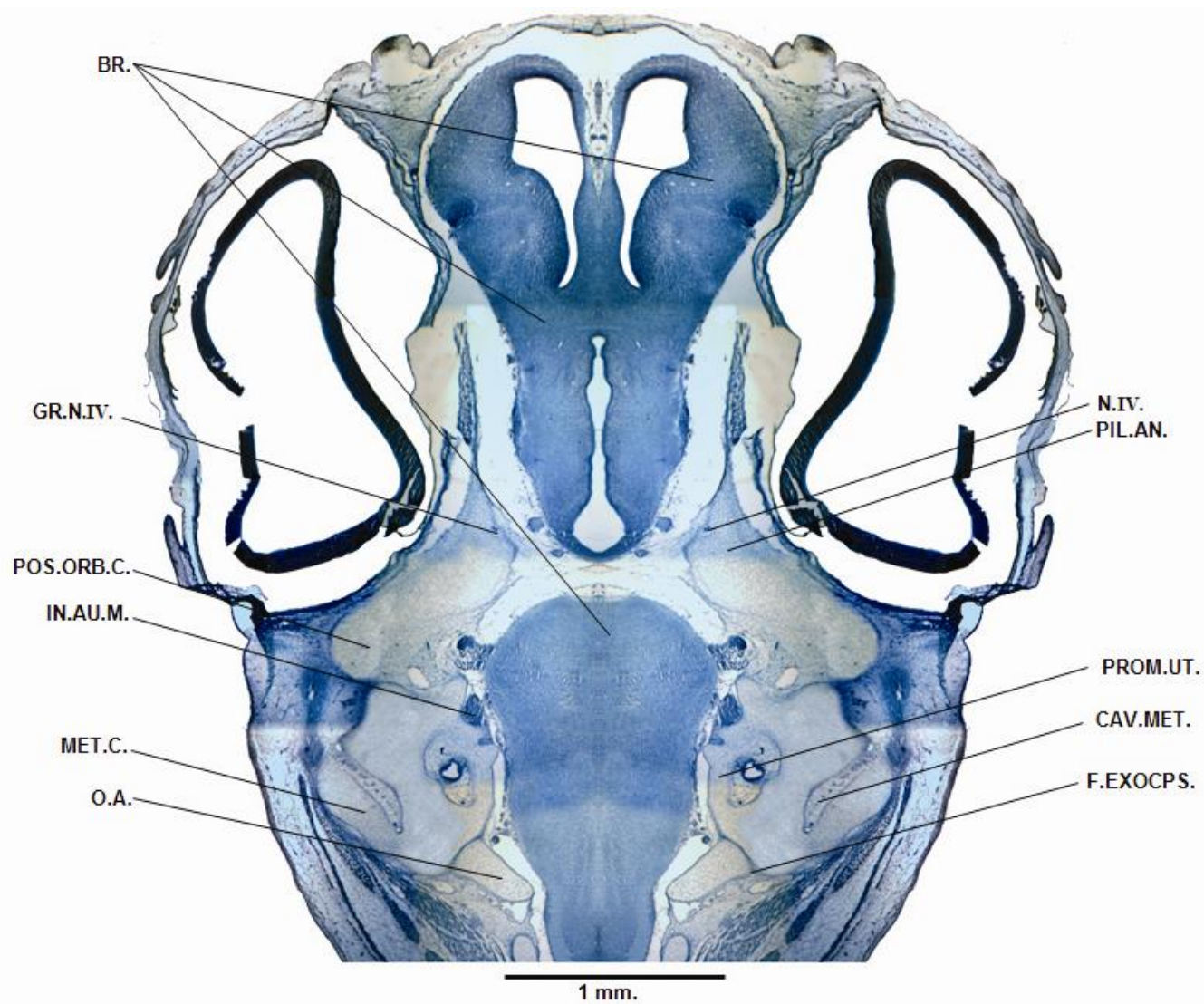


Fig.(46): T.S. passing through the posterior part of the auditory region of 46 mm. embryo stage of *Columba Livia*.

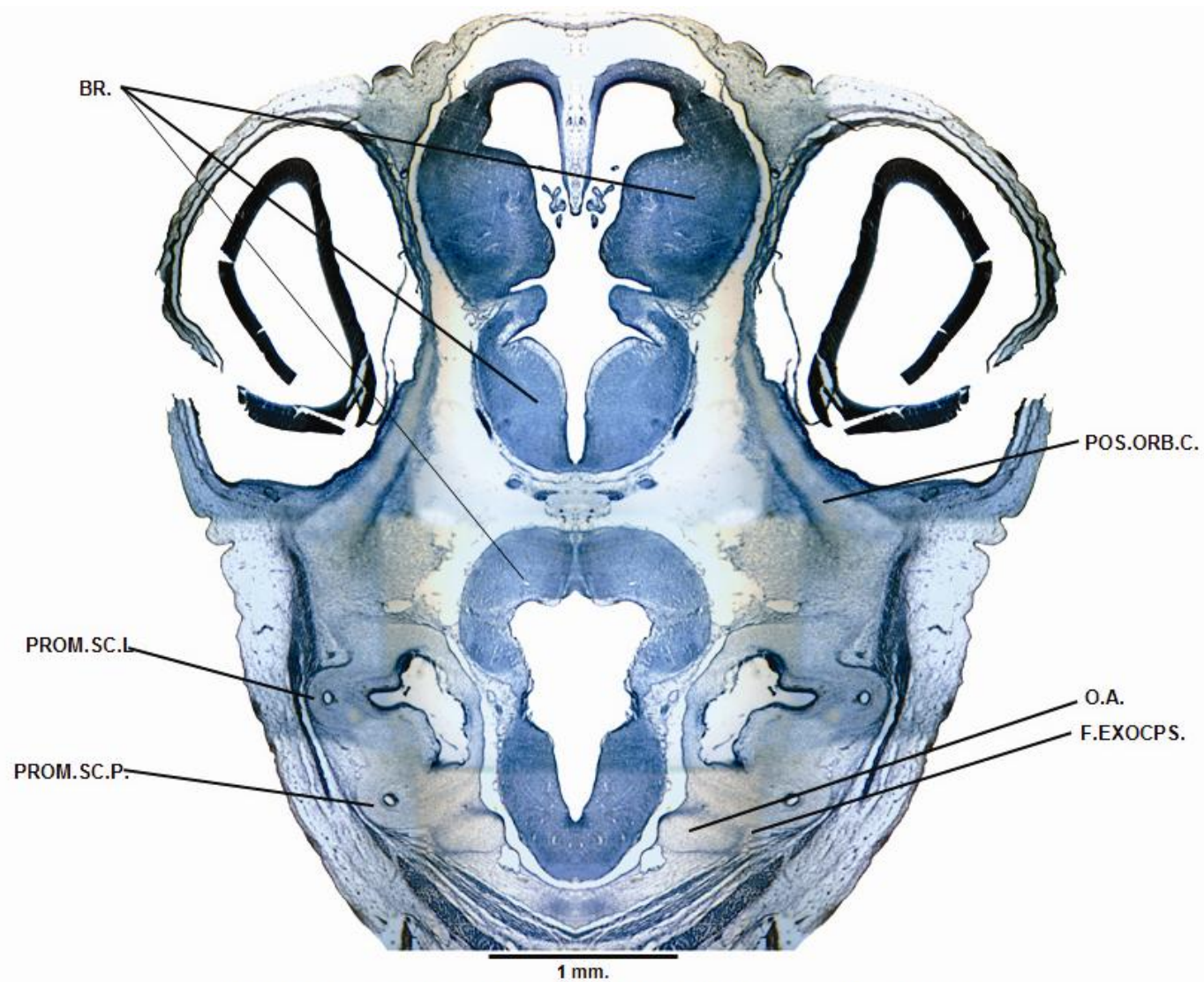


Fig.(47): T.S. in the posterior part of the auditory capsule of 46 mm. embryo stage of *Columba Livia*.

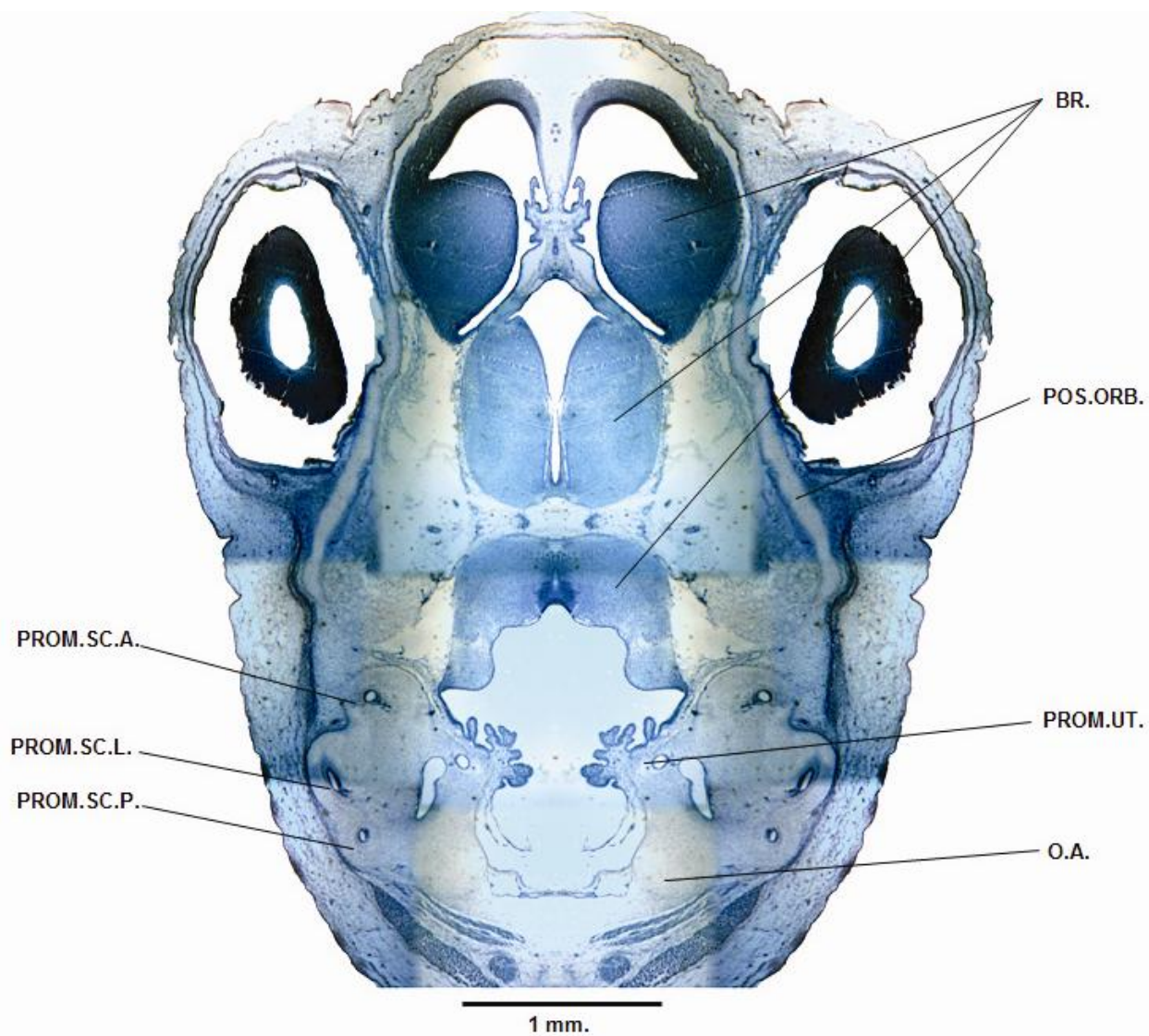


Fig.(48): T.S. passing through the most posterior part of the auditory capsule of 46 mm. embryo stage of *Columba Livia*.

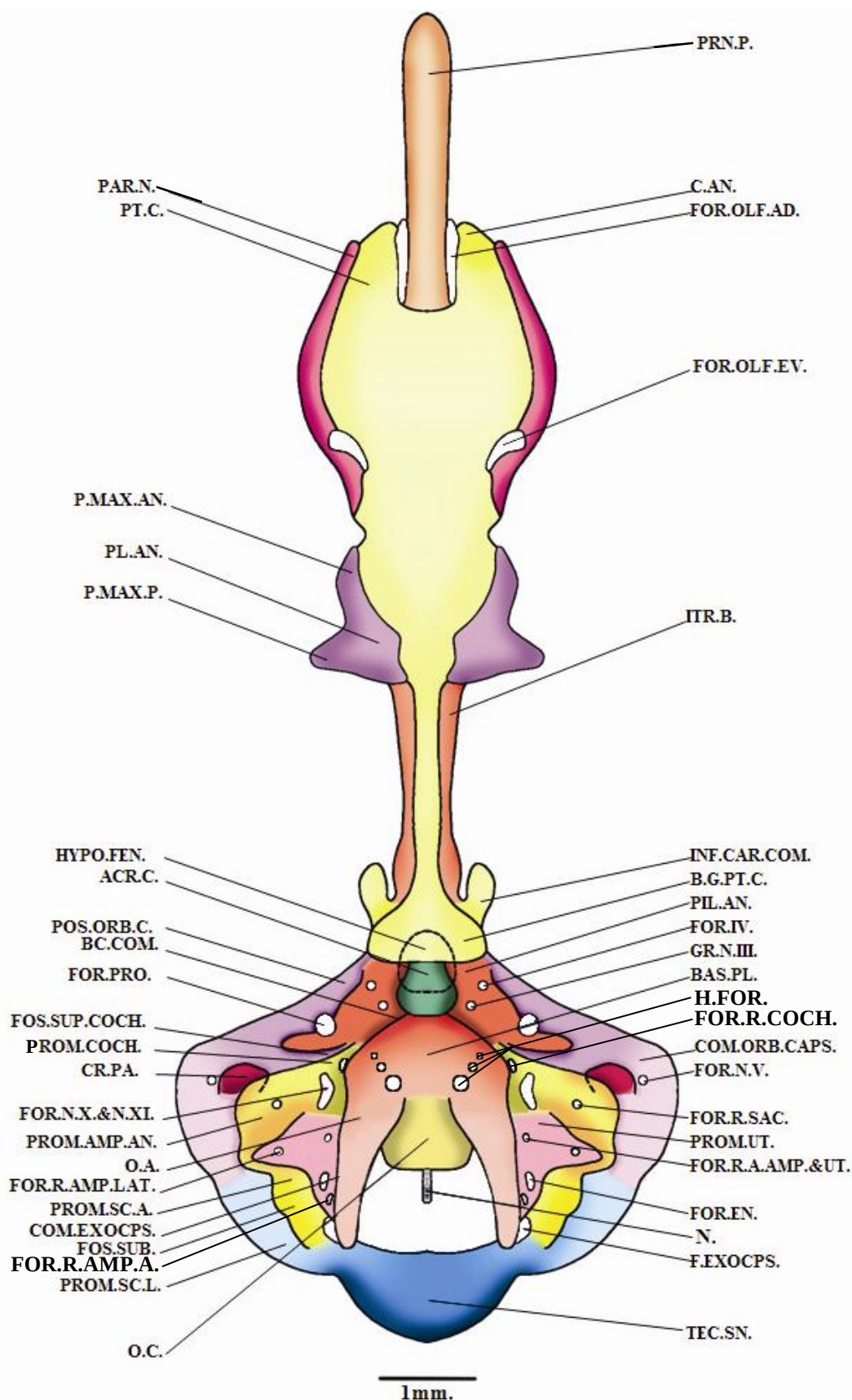


Fig.(49): Graphic reconstruction of the neurocranium of optimum stage of *Columba Livia* in a dorsal view.

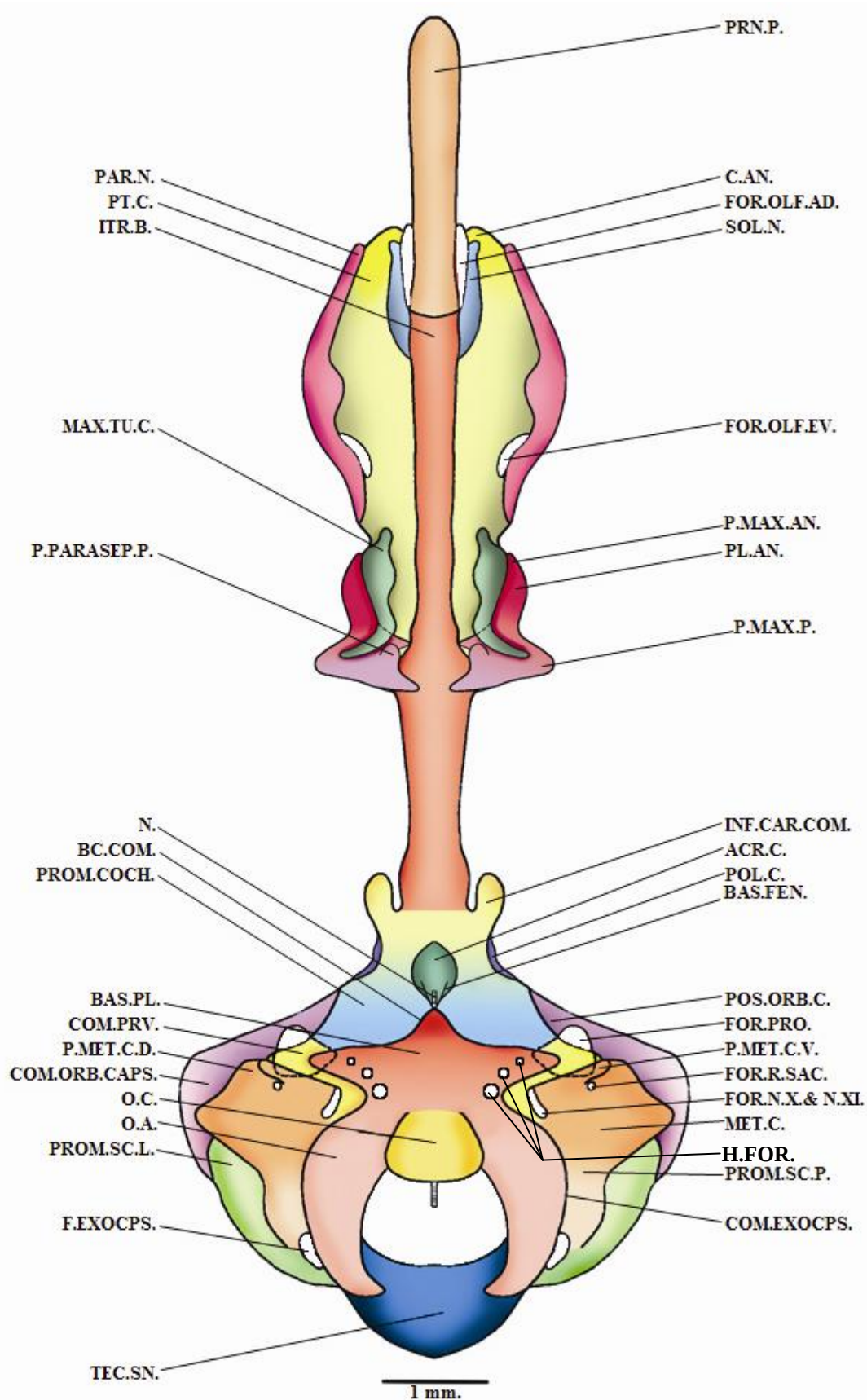


Fig.(50): Graphic reconstruction of the neurocranium of optimum stage of *Columba livia* in a ventral view.

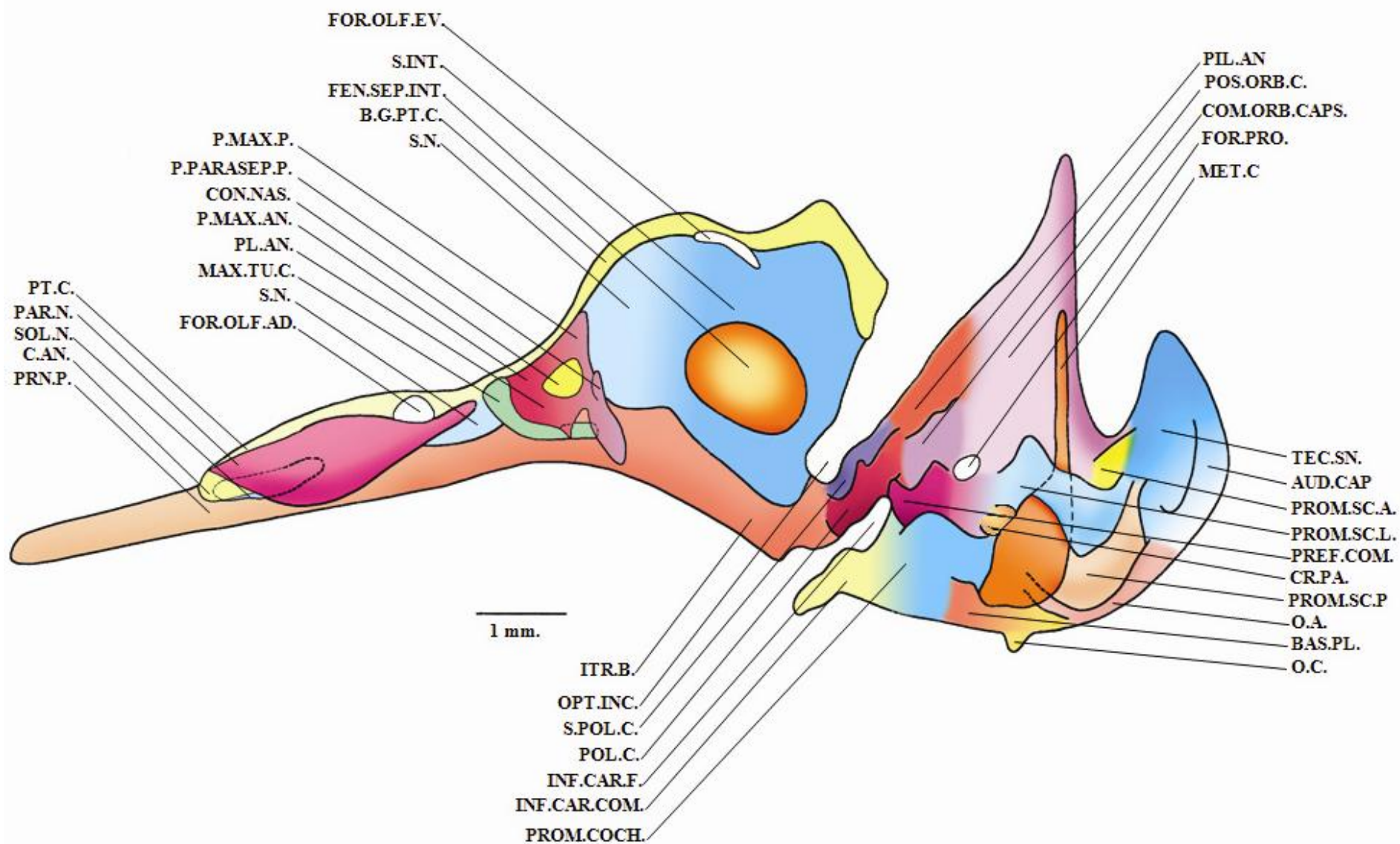


Fig.(51): Graphic reconstruction of the neurocranium of optimum stage of *Columba livia* in a lateral view.

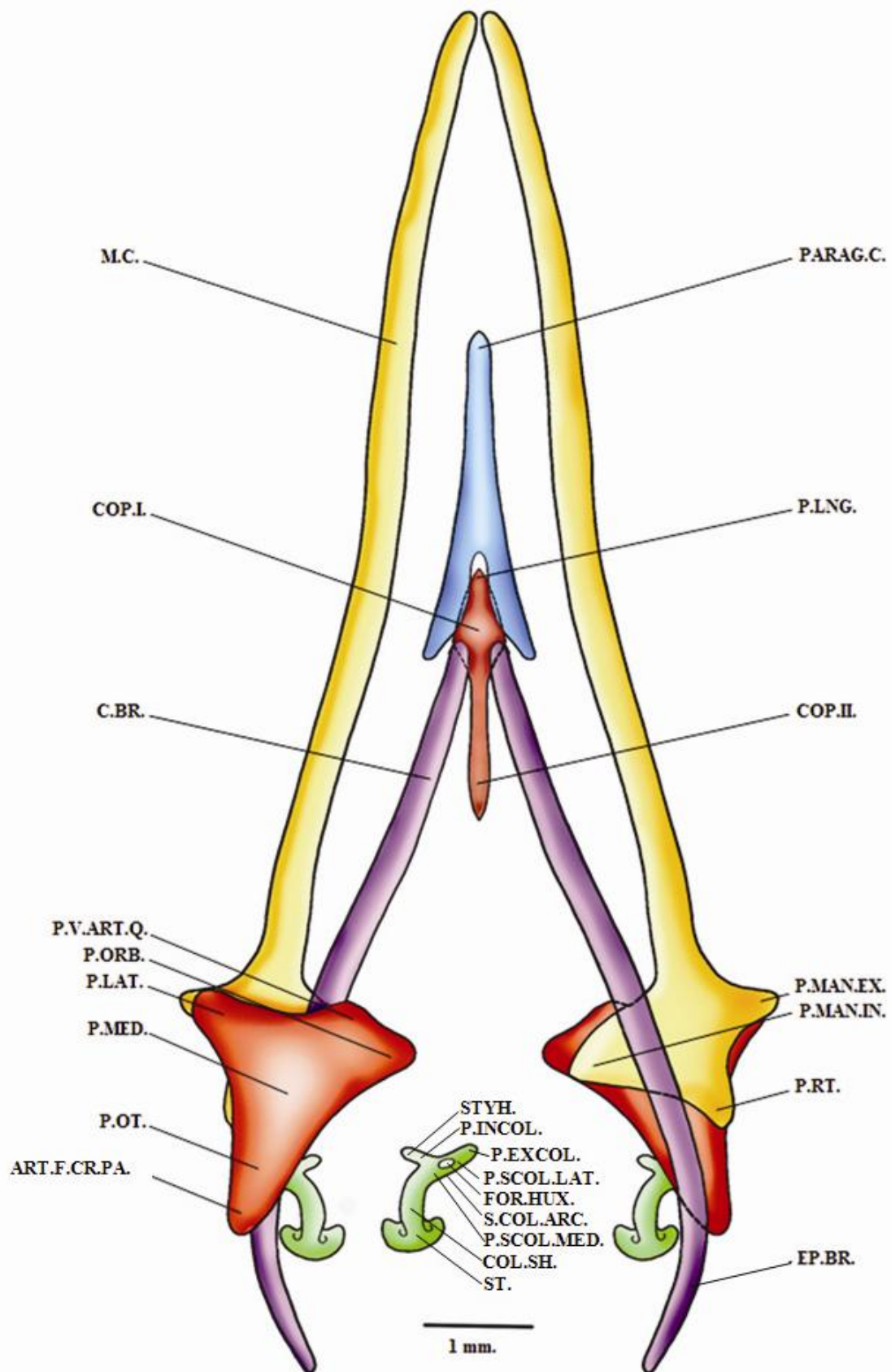


Fig.(52): Graphic reconstruction of the viscerocranium of optimum stage of *Columba Livia* in a ventral view.

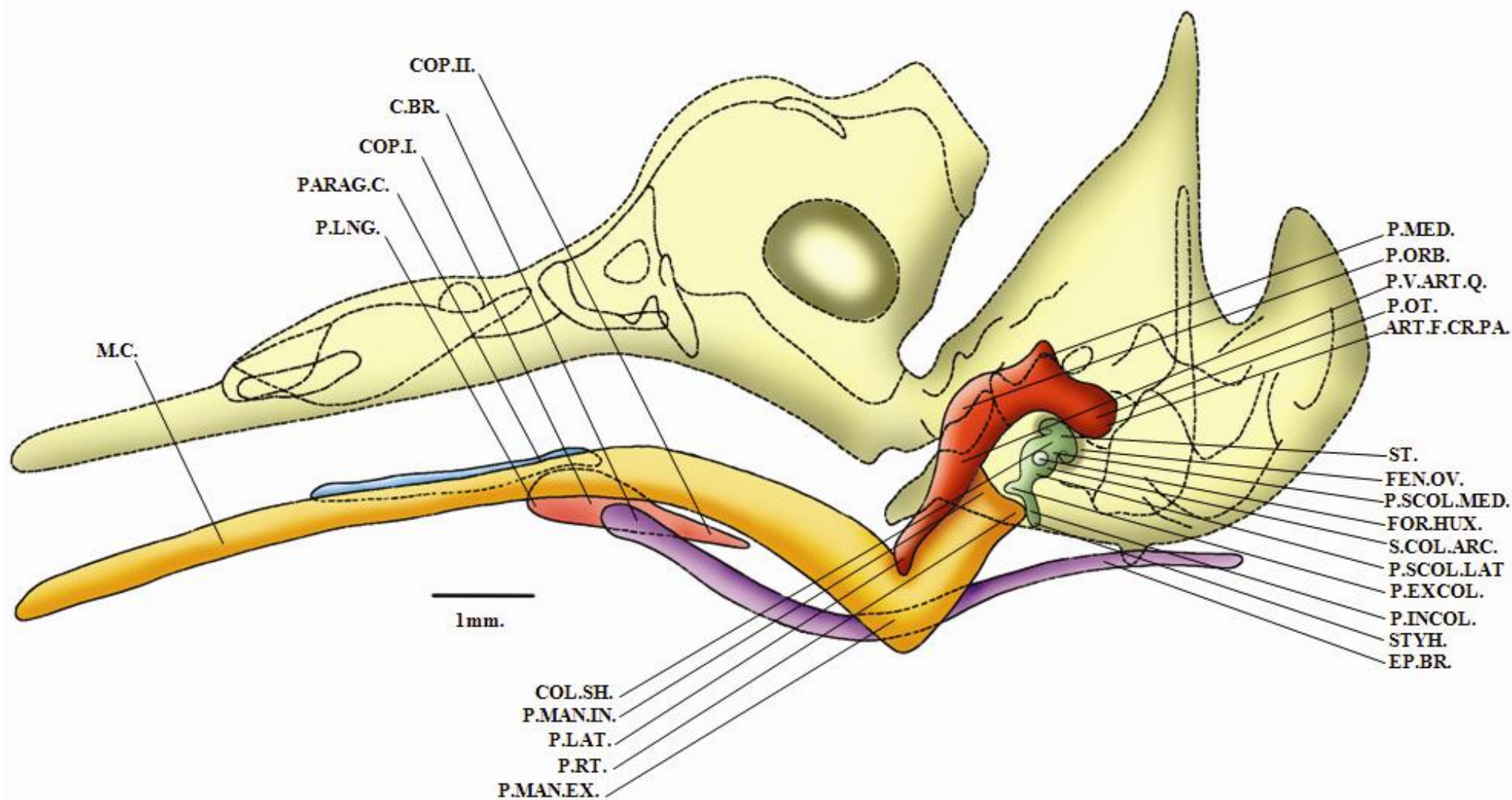


Fig.(53): Graphic reconstruction of chondrocranium of optimum stage of *Columba livia* in a lateral view.

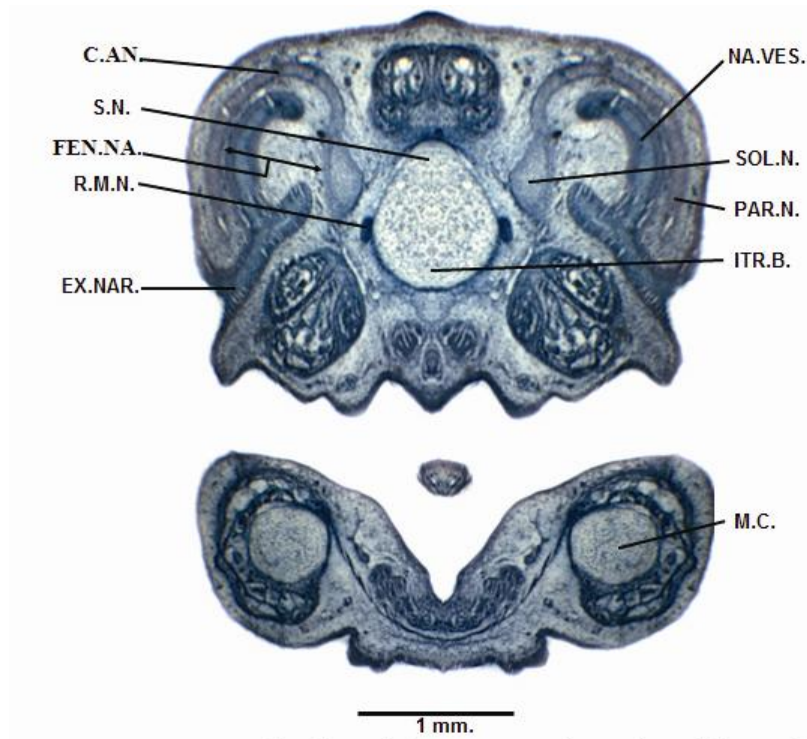


Fig.(54): T.S. passing through the most anterior region of the nasal capsule of the optimum stage of *Columba livia*.

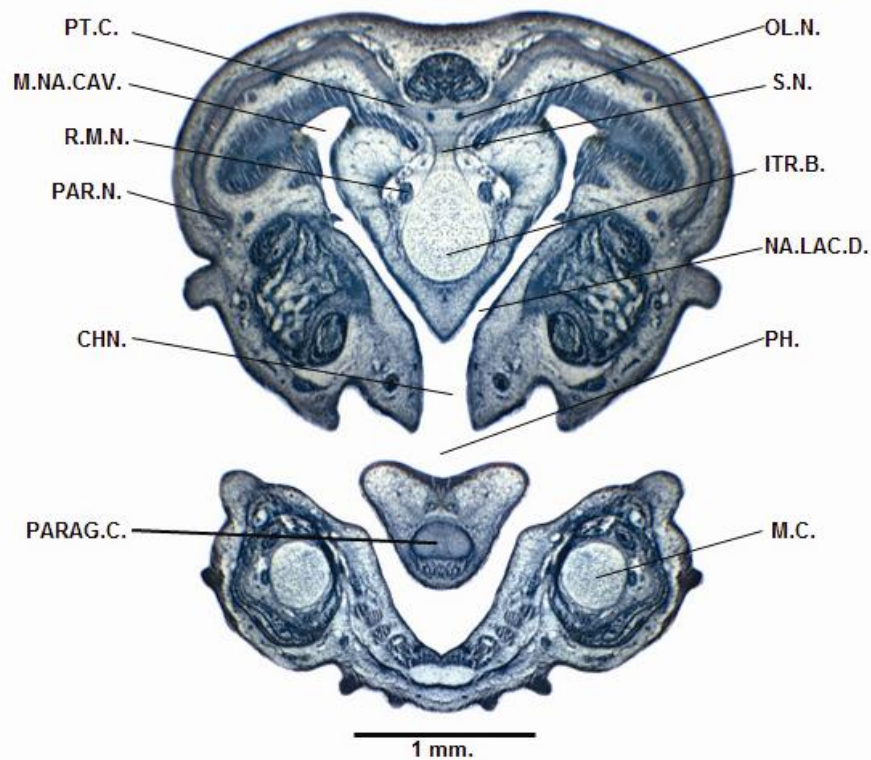


Fig.(55): T.S. passing through the anterior nasal region of the olfactory capsule of the optimum stage of *Columba livia*.

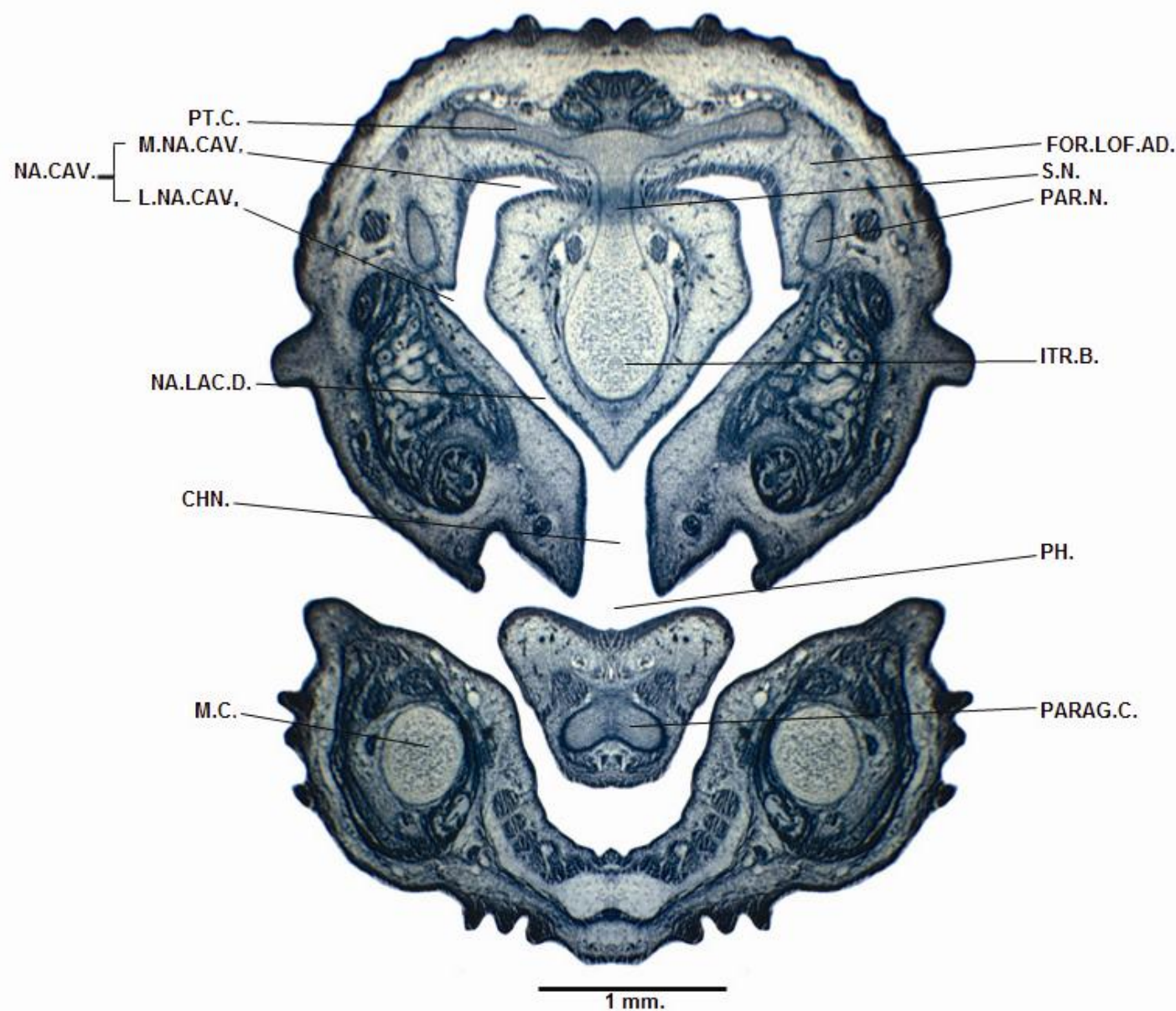


Fig.(56): T.S. passing through the middle region of the nasal capsule of the optimum stage of *Columba Livia*.

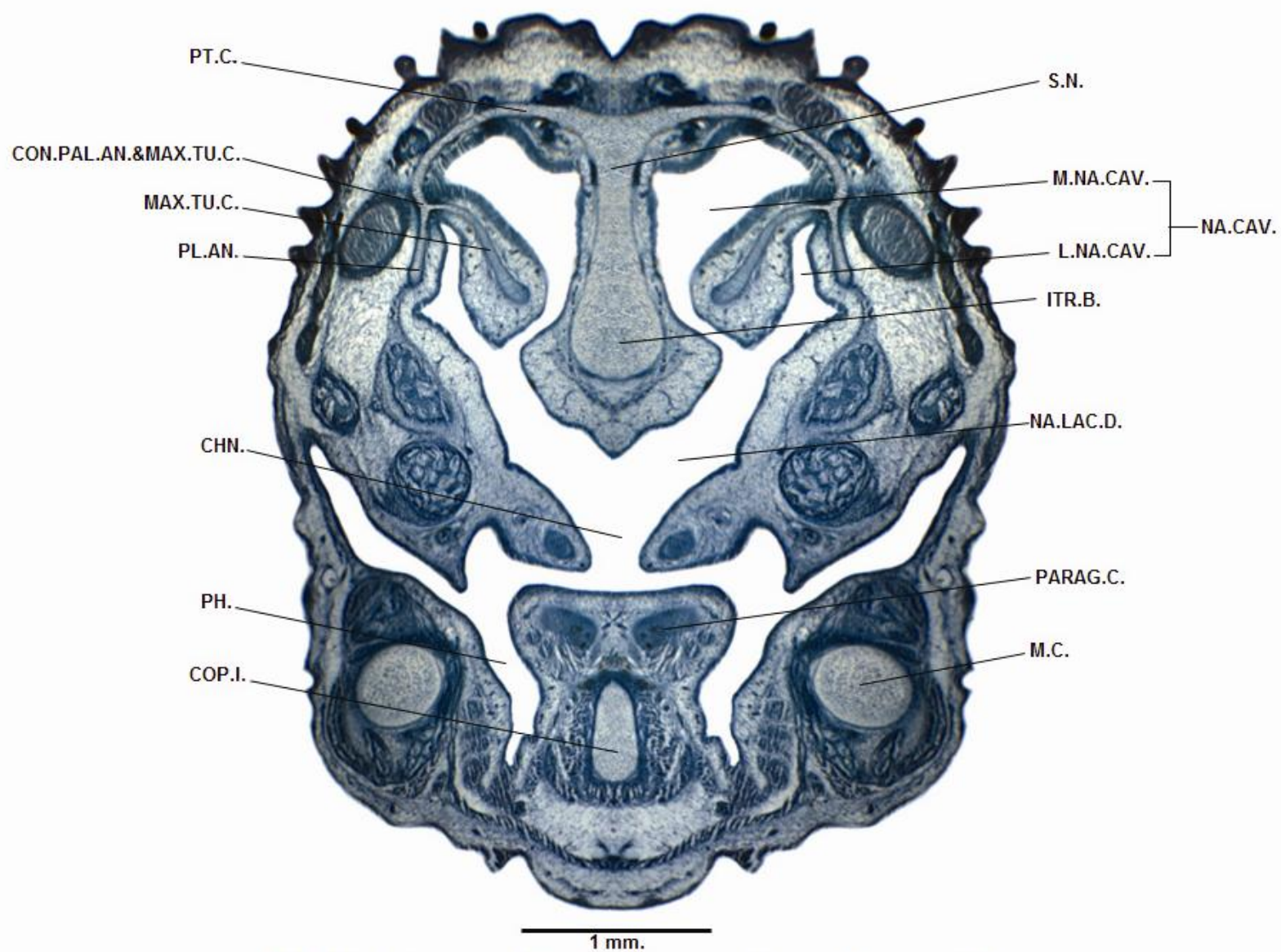


Fig.(57): T.S. passing through mid-region of the nasal capsule of the optimum stage of *Columba Livia* .

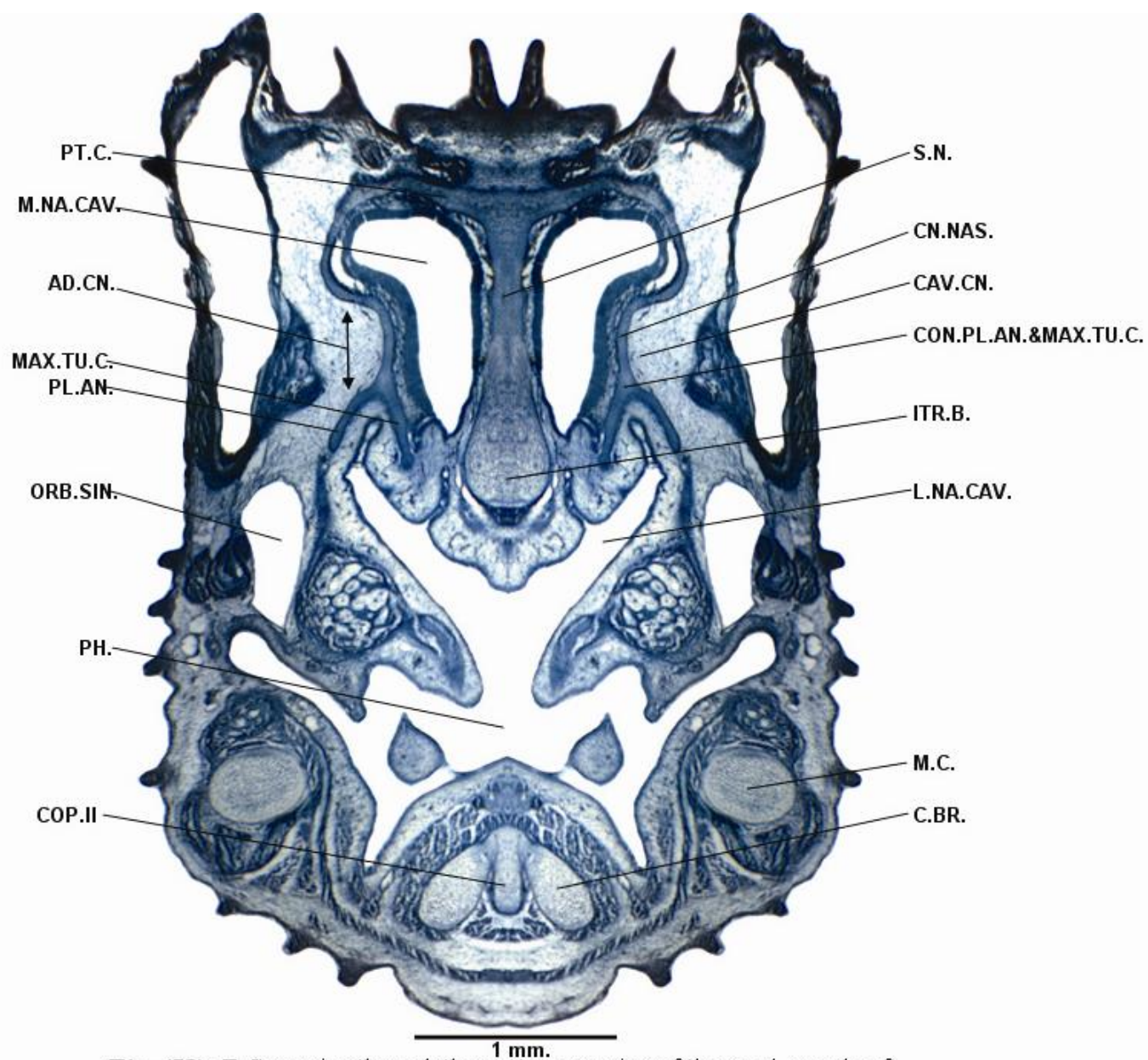


Fig. (58): T. S. passing through the posterior region of the nasal capsule of the optimum stage of *Columba livia*.

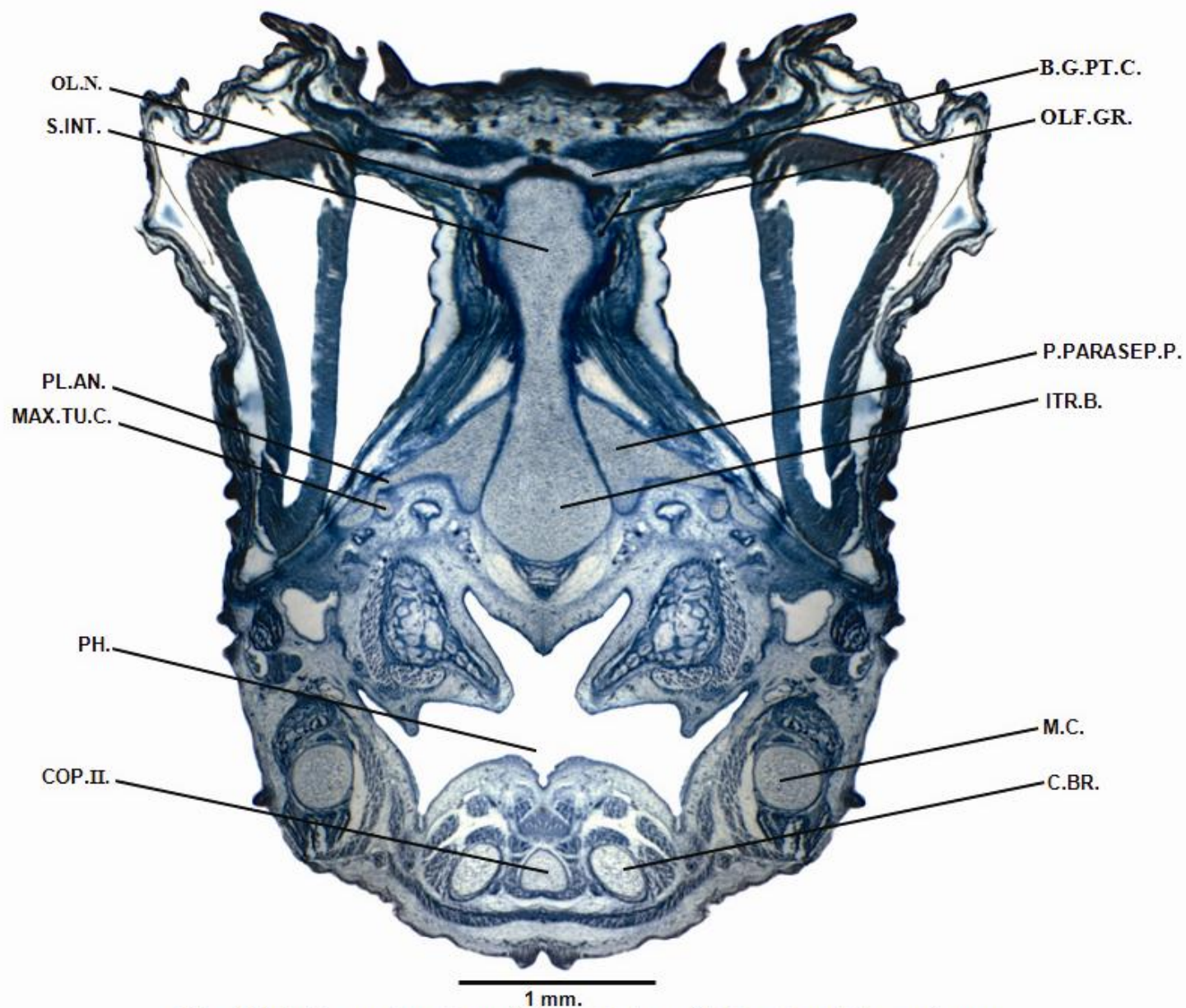


Fig. (59): T.S. passing through the anterior orbital region of the optimum stage of *Columba Livia*.

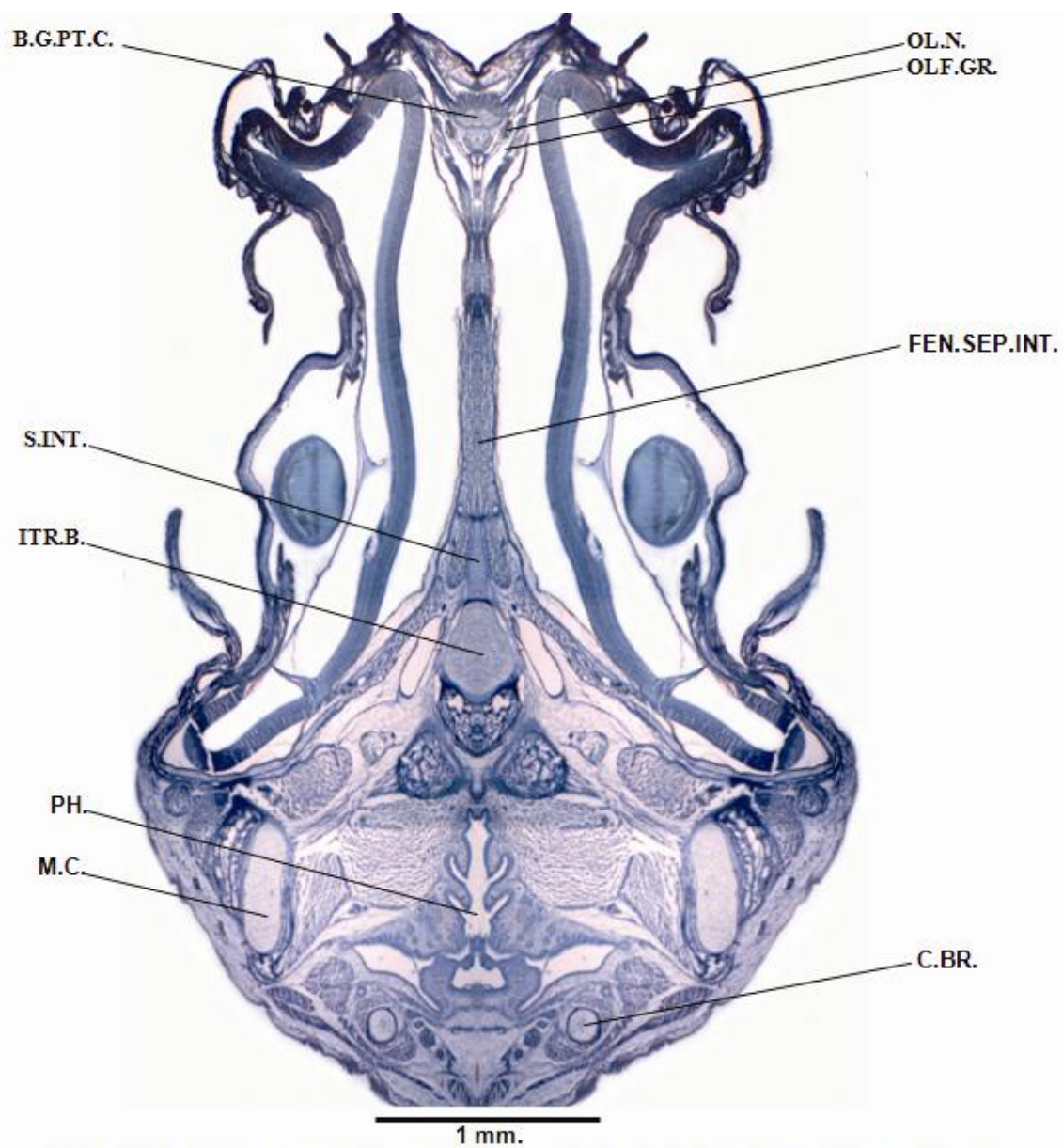


Fig. (60): T.S. passing through the central orbital region of the optimum stage of *Columba Livia*.

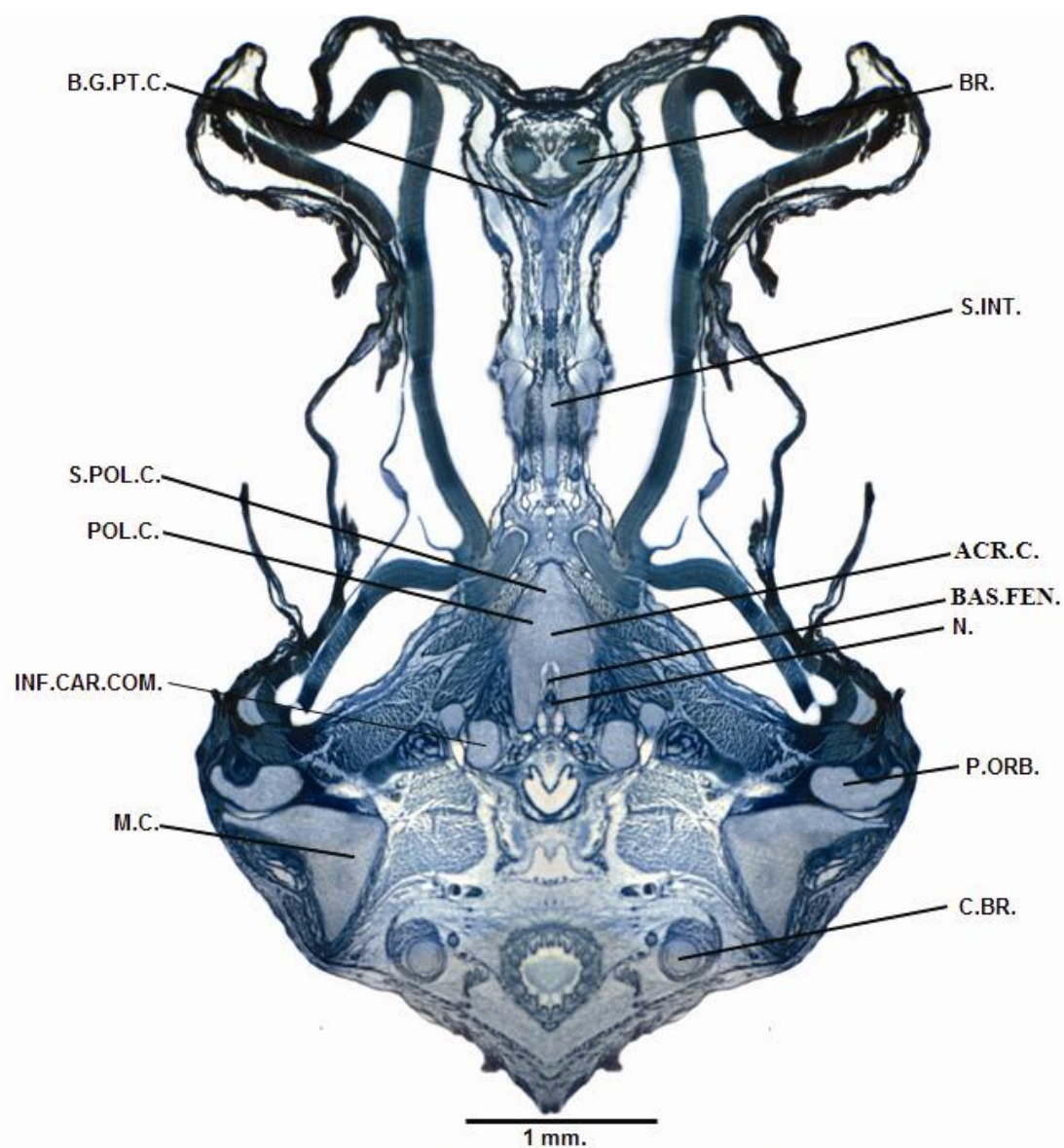


Fig. (61): T.S. in the mid orbital region of the optimum stage of *Columba Livia*.

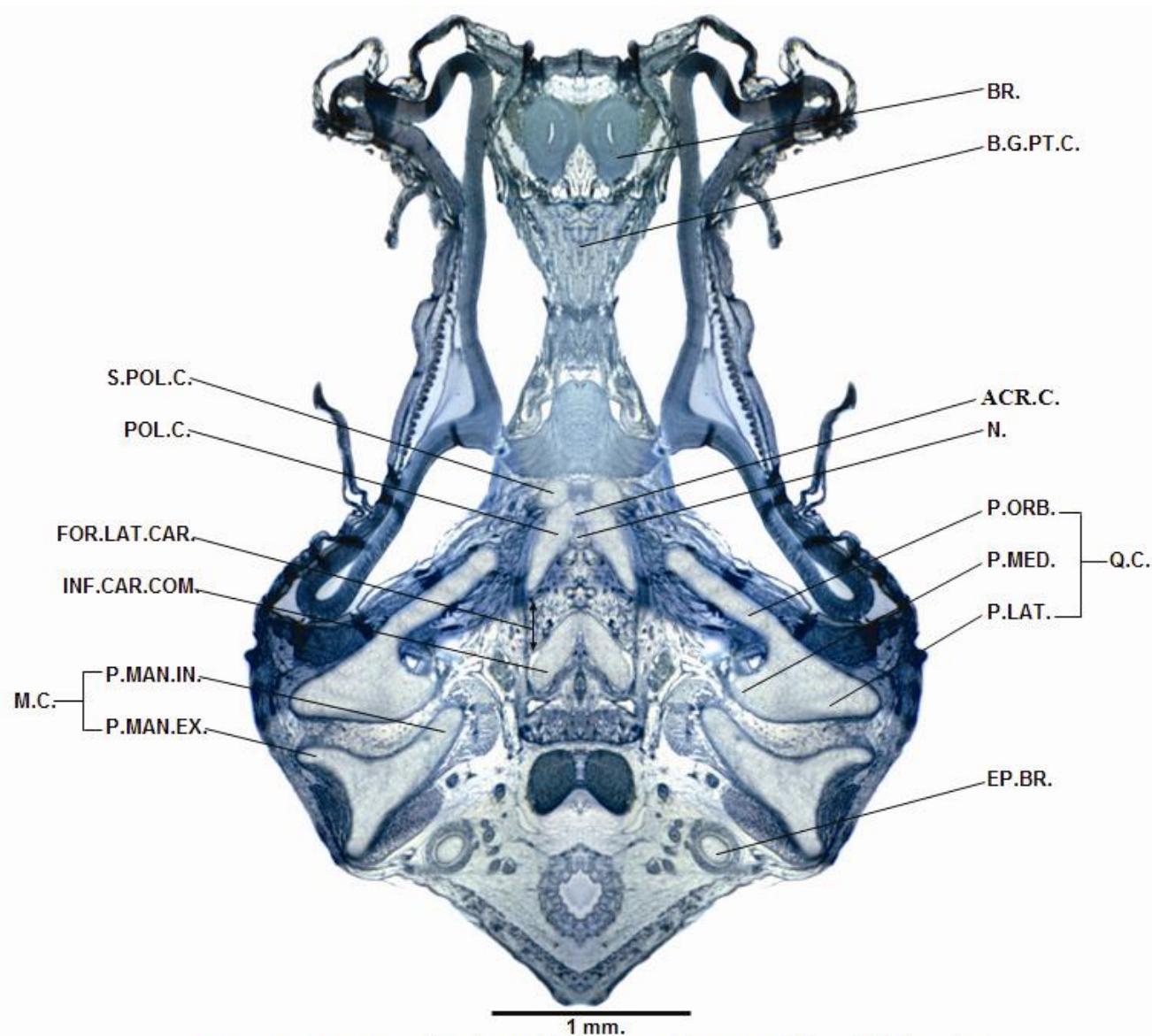


Fig. (62): T.S. passing through the posterior part of the orbital region of the optimum stage of *Columba Livia*.

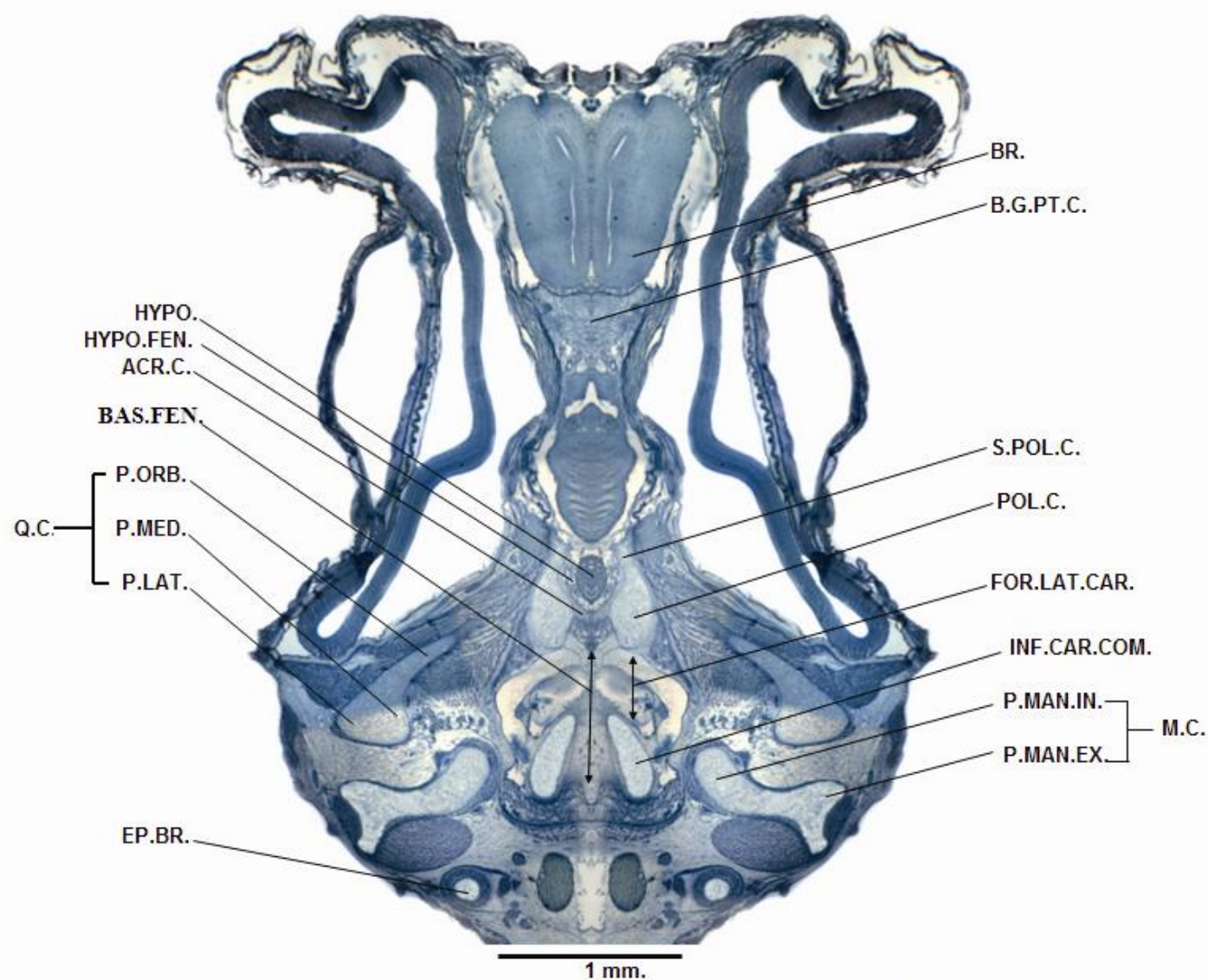


Fig.(63): T.S. passing through the most anterior part of the auditory region of the optimum satge of *Columba Livia*.

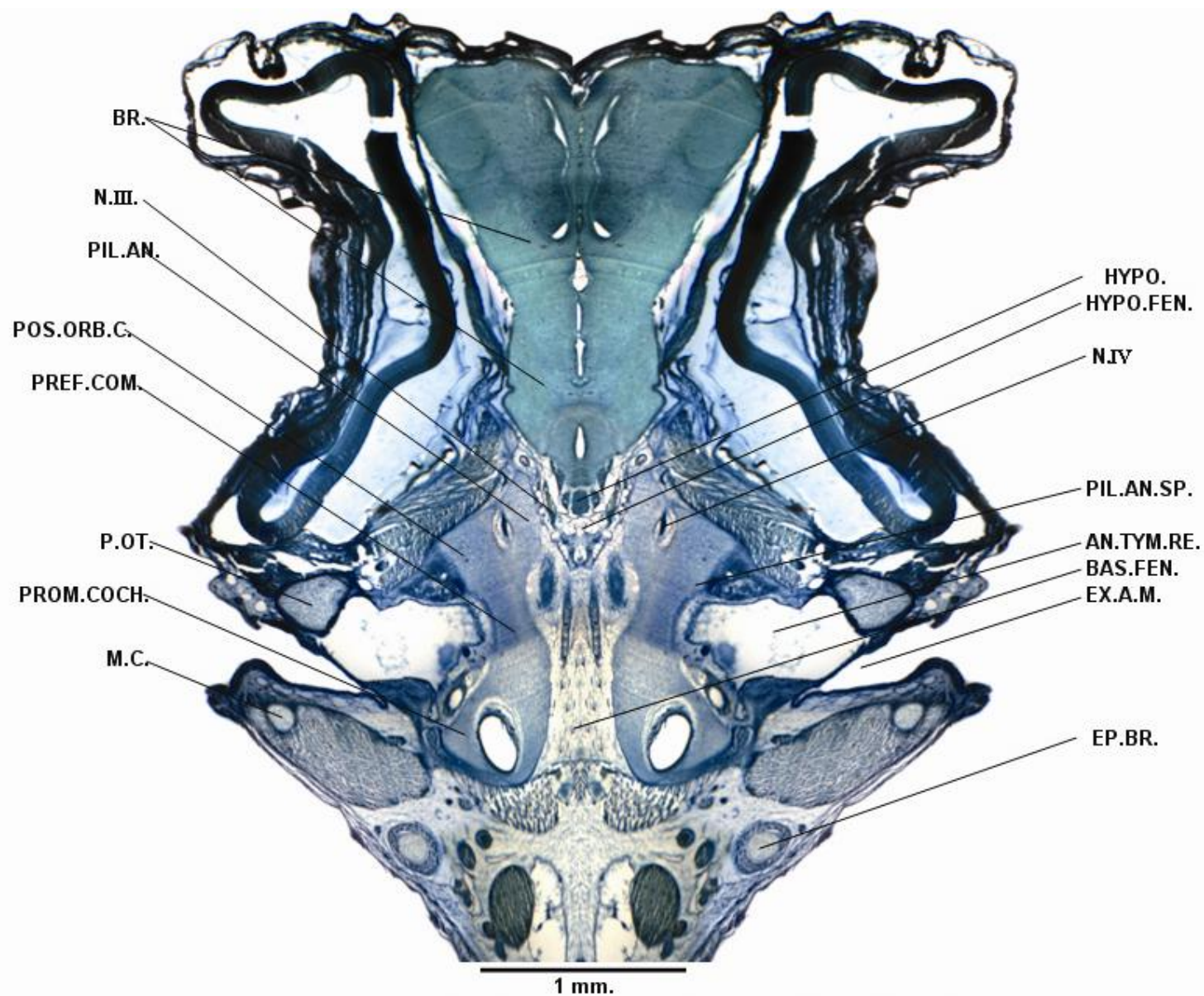


Fig. (64): T.S. passing through the anterior part of the otic region of the optimum stage of *Columba Livia*.

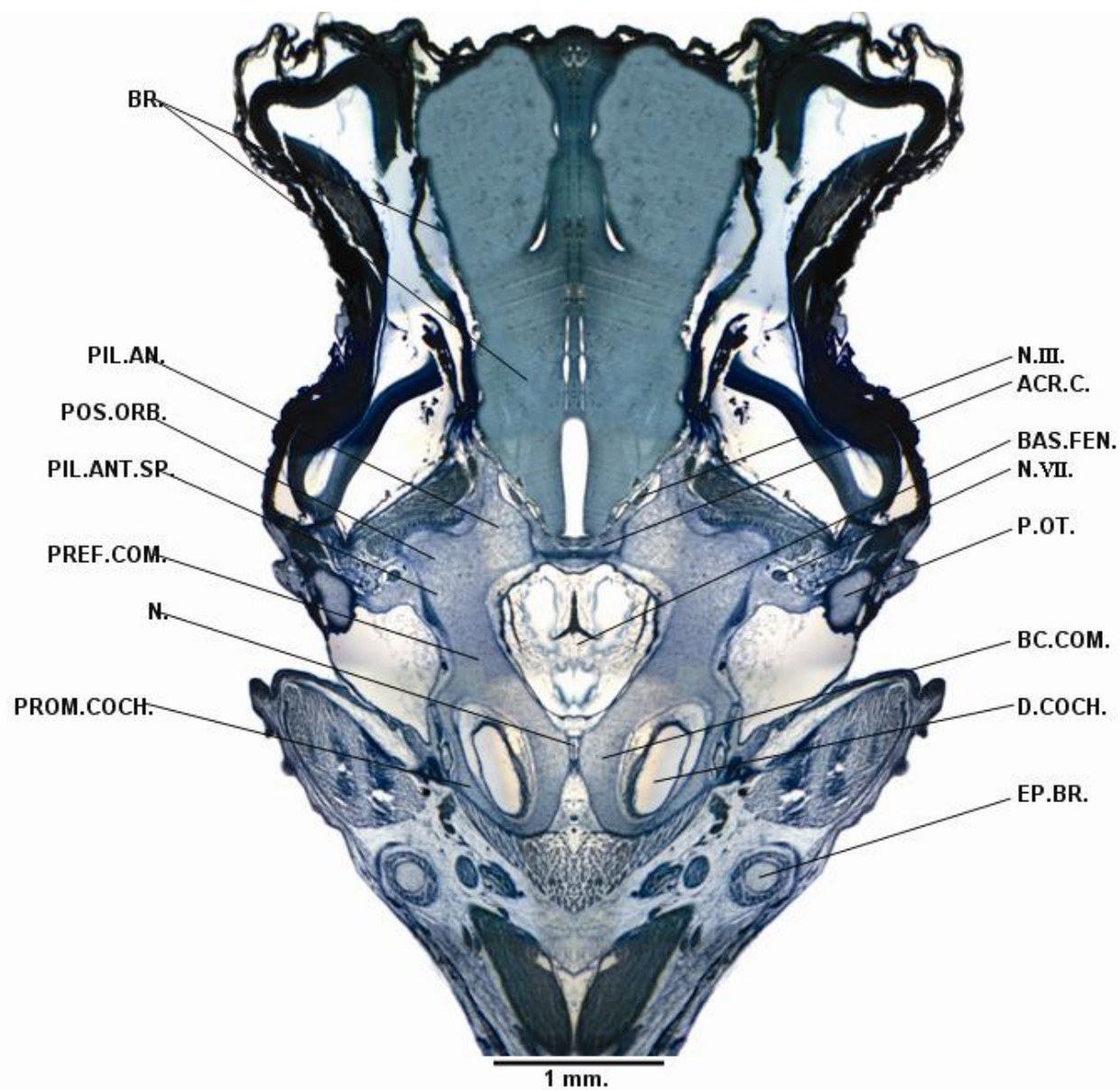


Fig. (65): T.S. in the anterior part of the otic region of the opimum stage of *Columba Livia*.

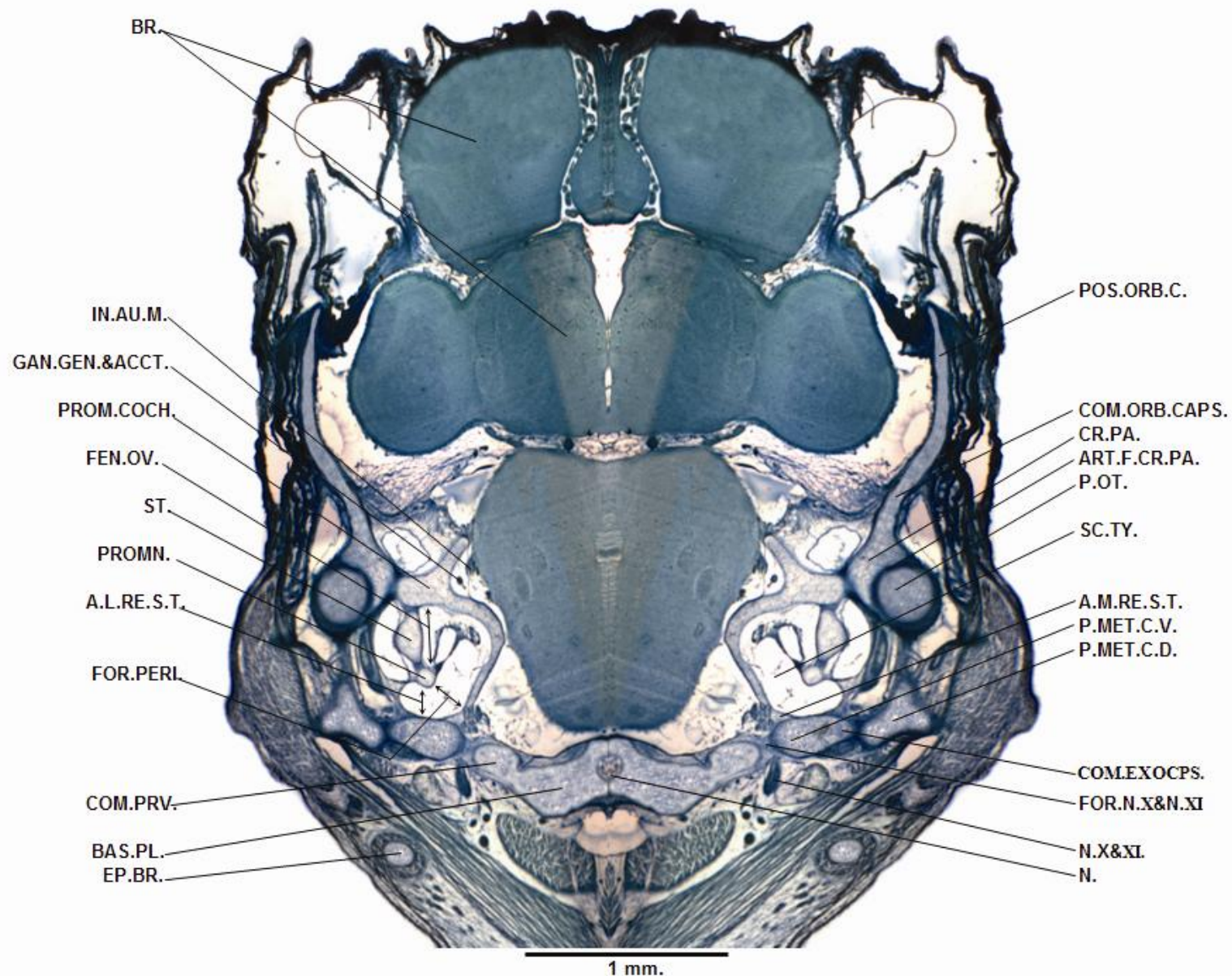


Fig. (66): T.S. in the mid-auditory region of the optimum stage of *Columba Livia*.

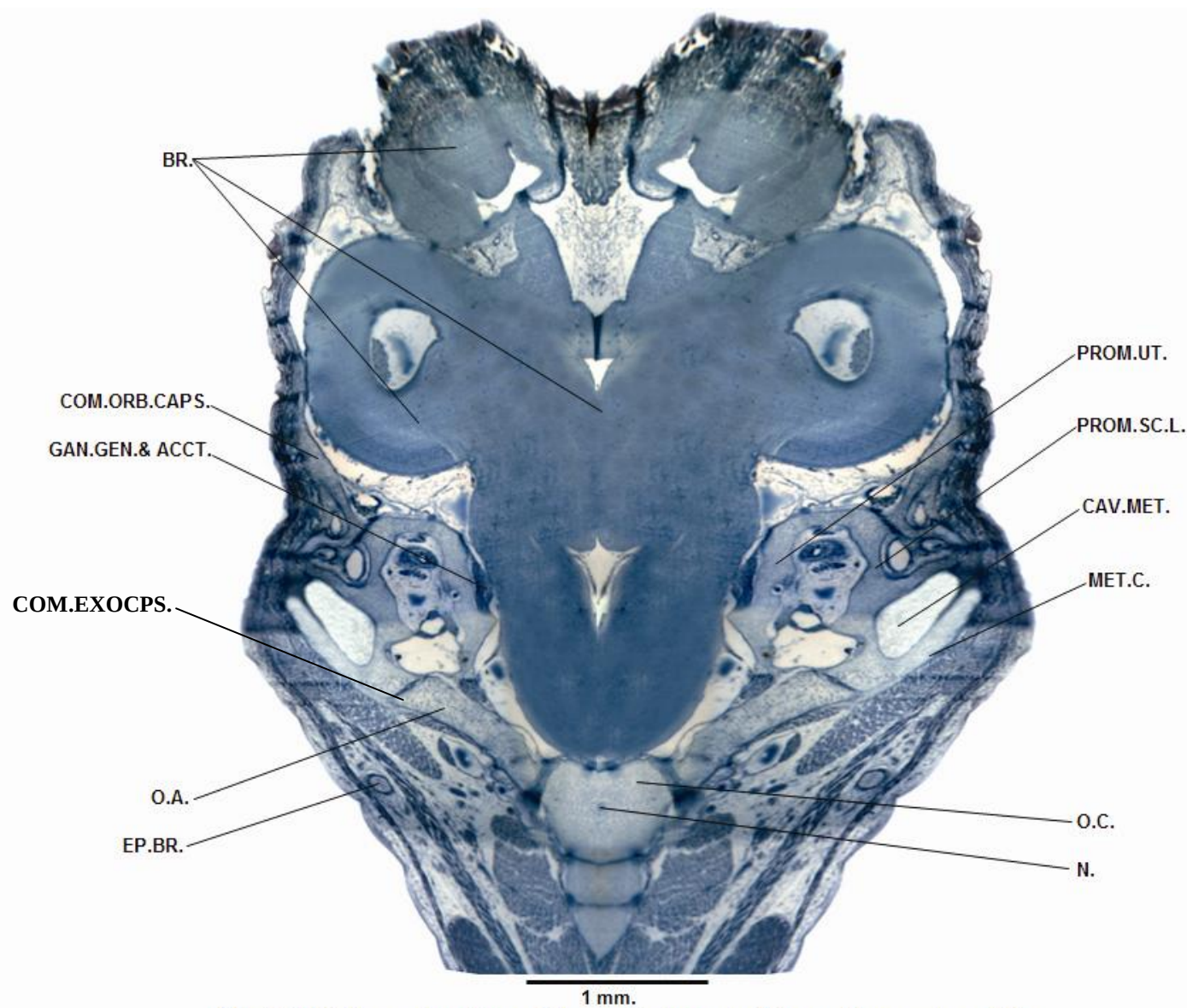


Fig. (67): T.S. passing through the posterior part of the auditory region of the optimum stage of *Colmba Livia*.

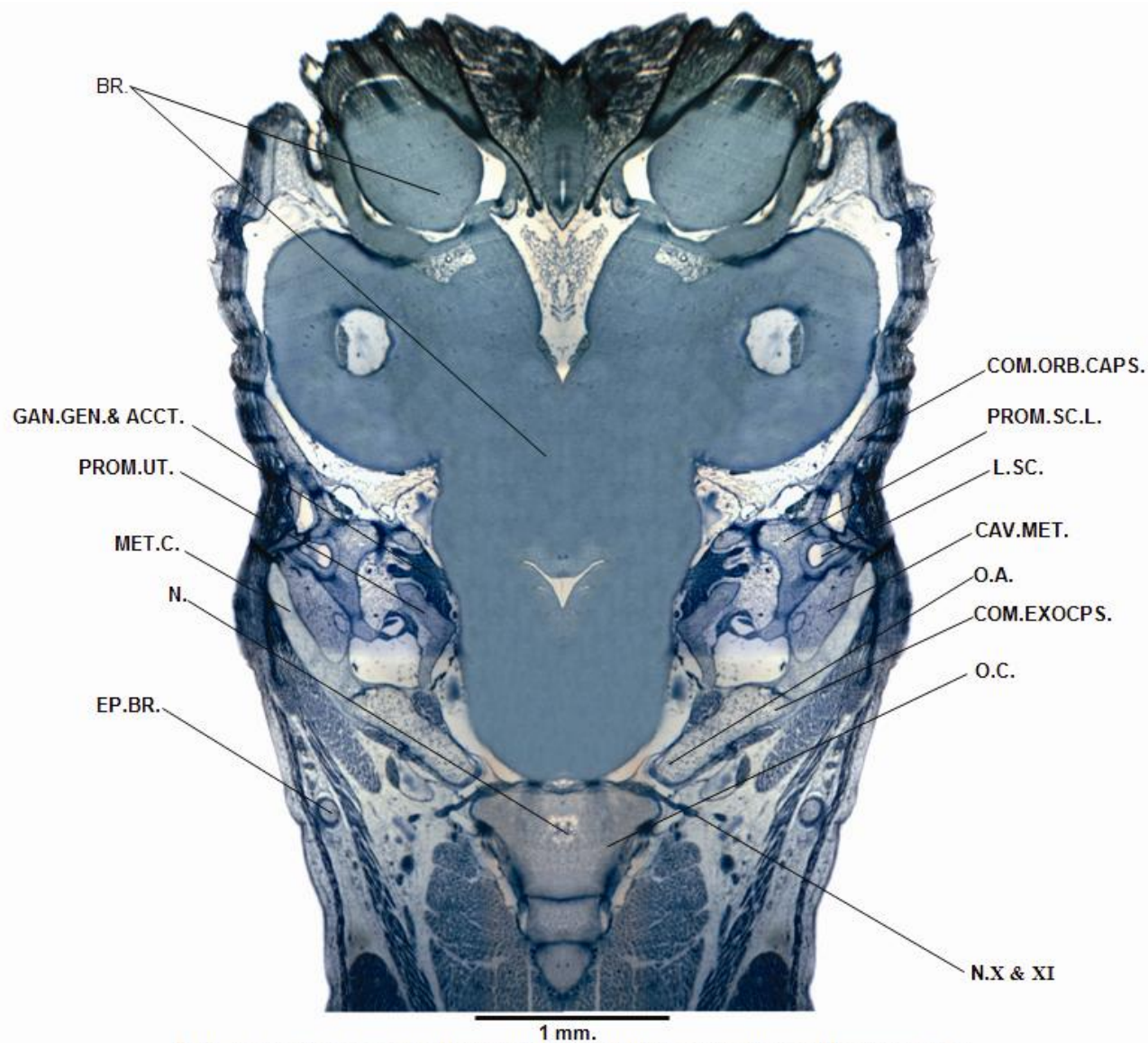


Fig. (68): T.S. passing through the middle part of the auditory capsule of the optimum stage of *Columba Livia*.

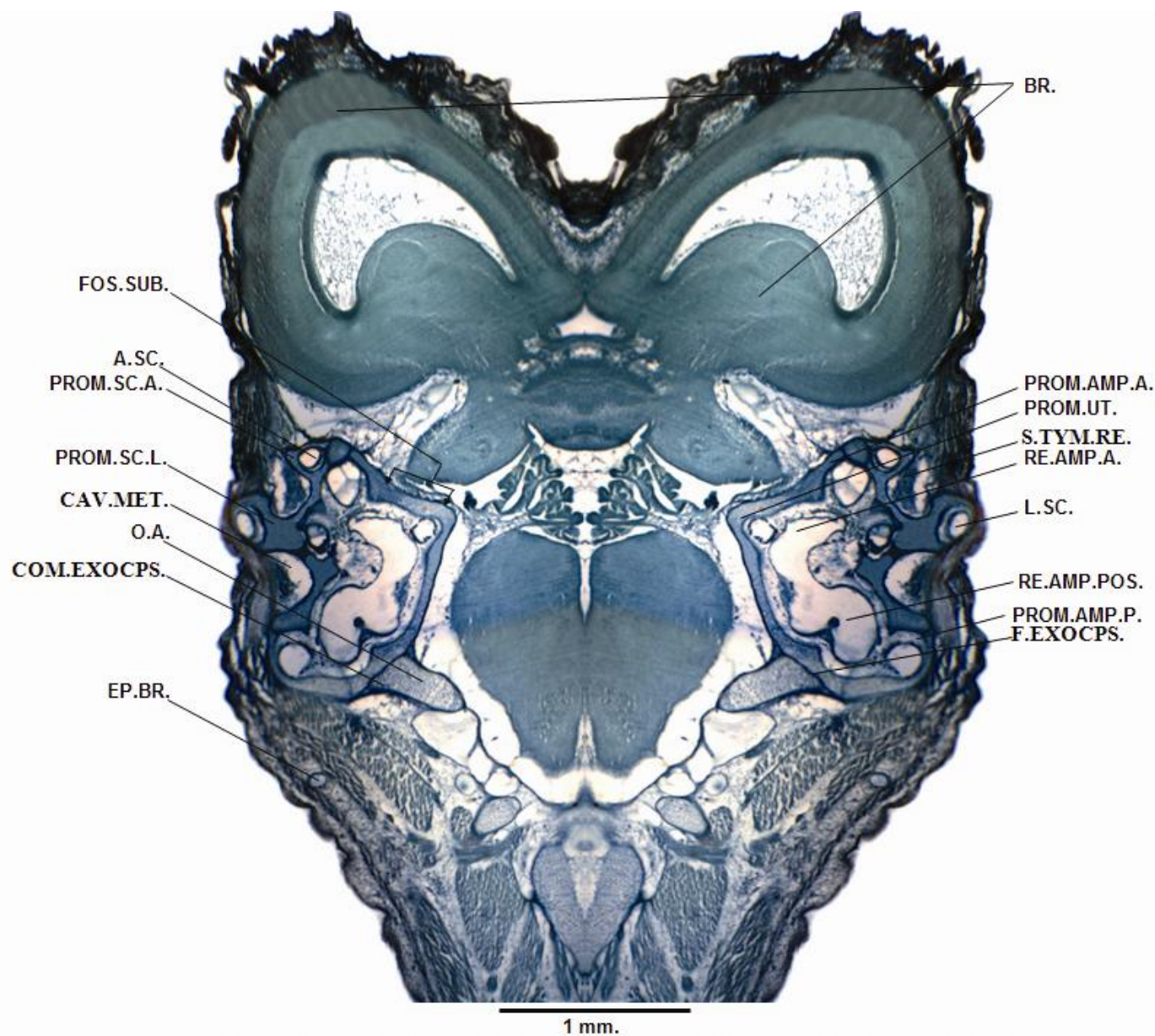
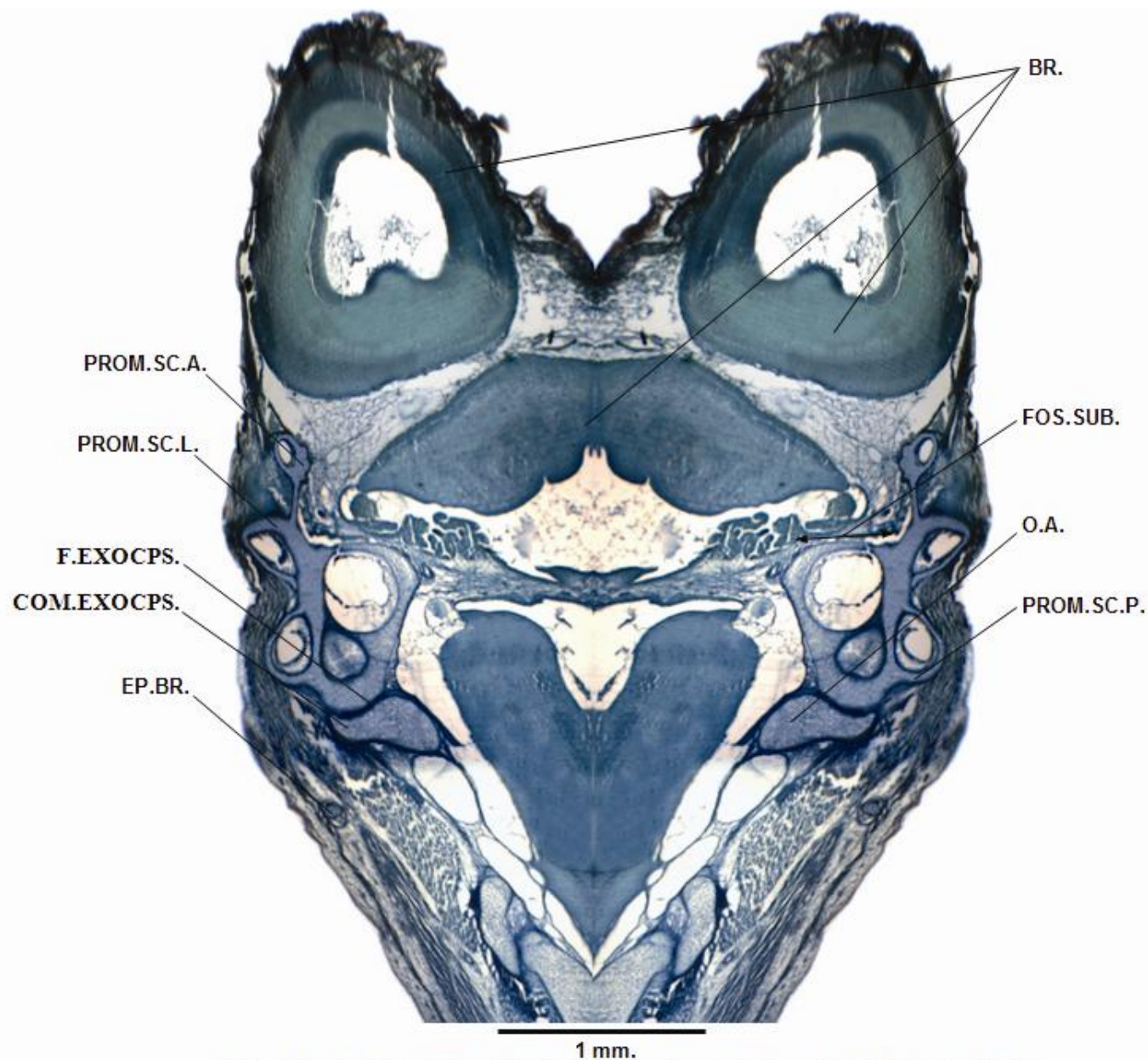


Fig. (69): T.S. in the posterior part of the auditory region of the optimum stage of *Columba Livia*.



1 mm.
Fig. (70): T.S. passing through the most posterior part of the auditory region of the optimum stage of *Columba Livia*.

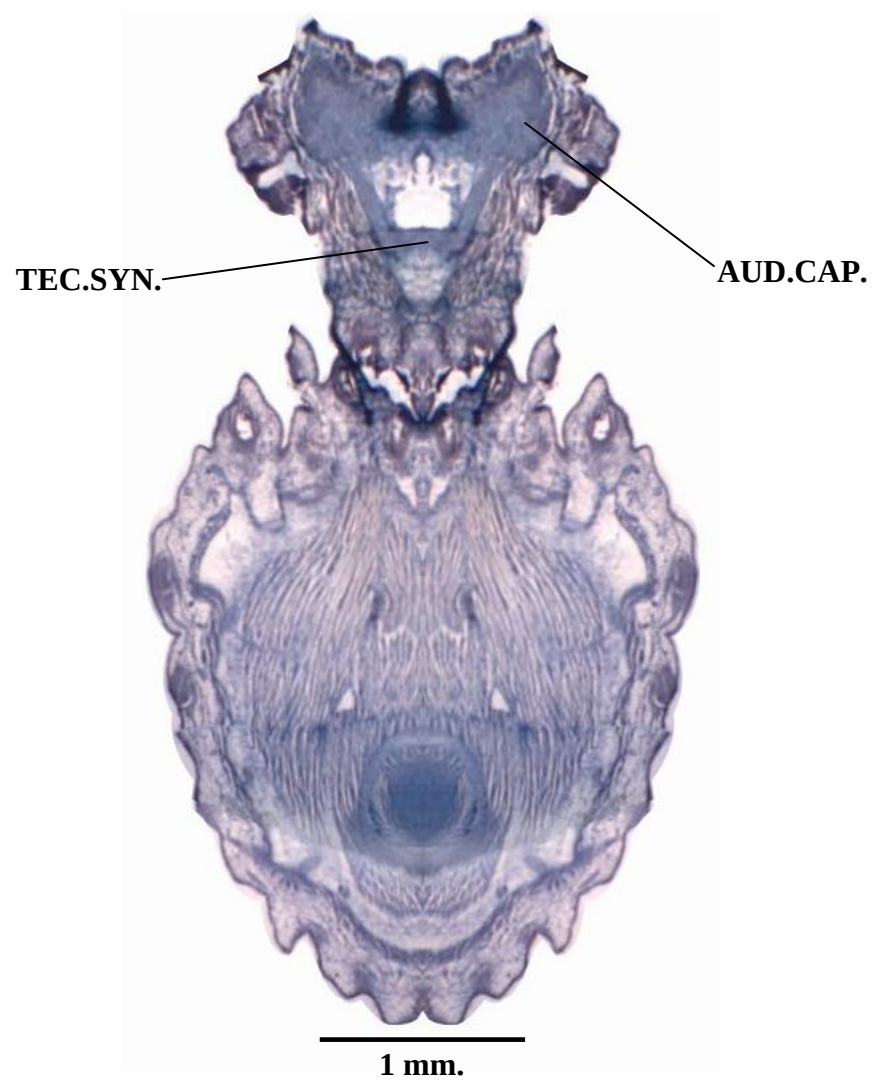


Fig.(71): T.S. in the tectum synoticum region of the optimum stage of *Columba Livia*.

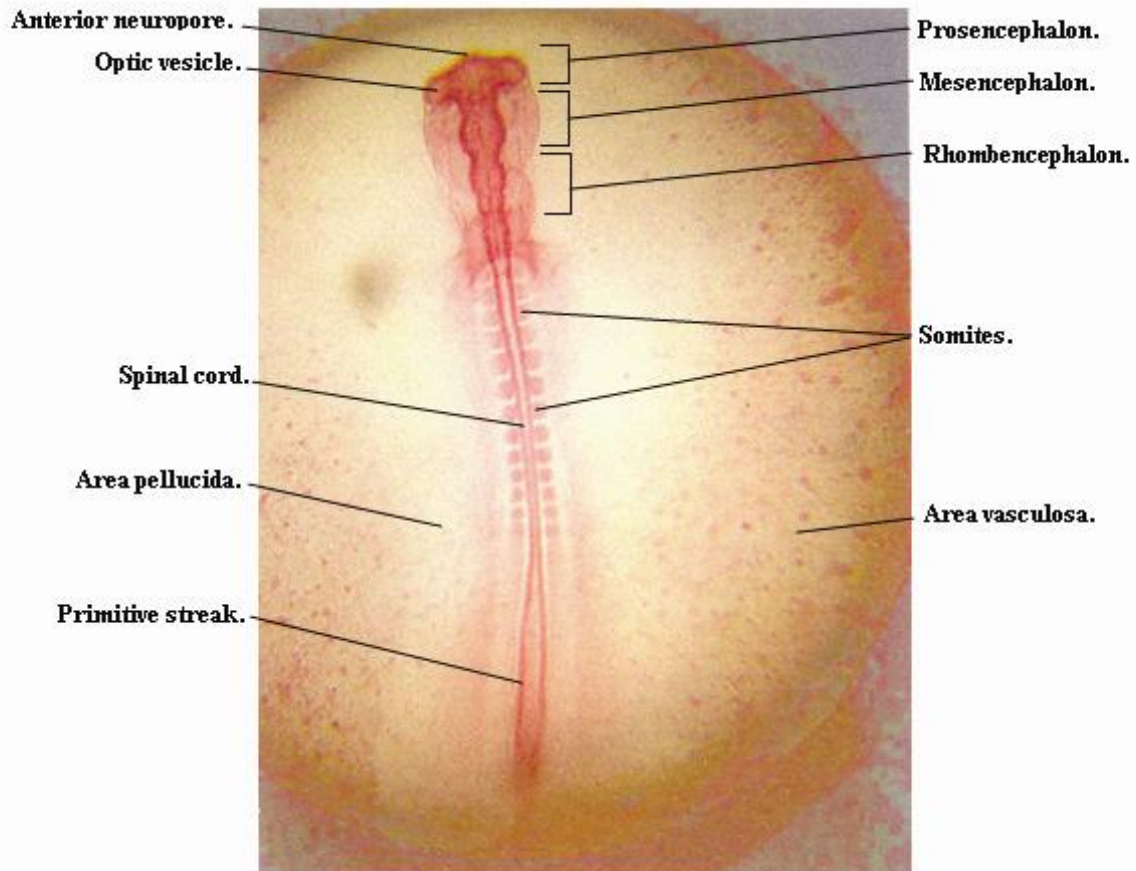


Fig.(72):10 mm. *Columba* embryo stage at magnification power 40X.

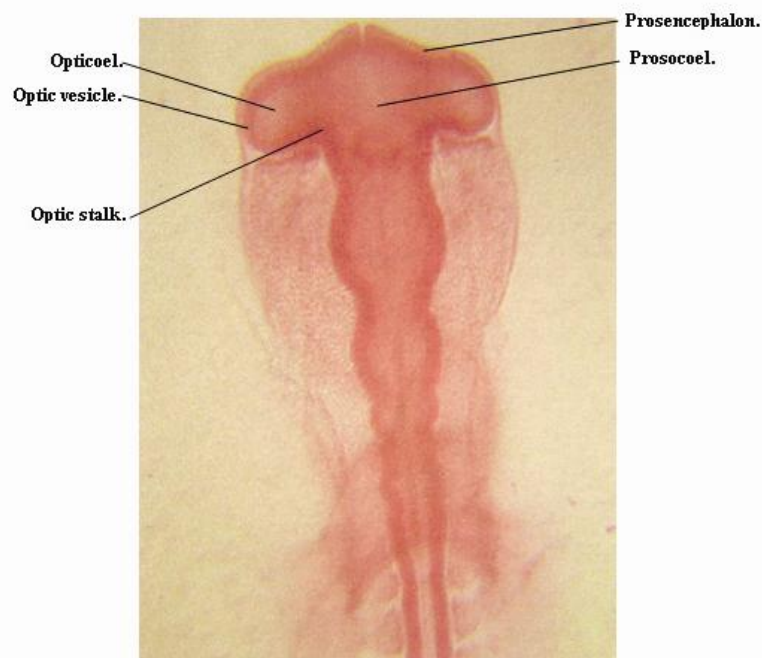


Fig.(73): 10mm. *Columba* embryo stage to show the formation of optic vesicles at magnification power 100X.

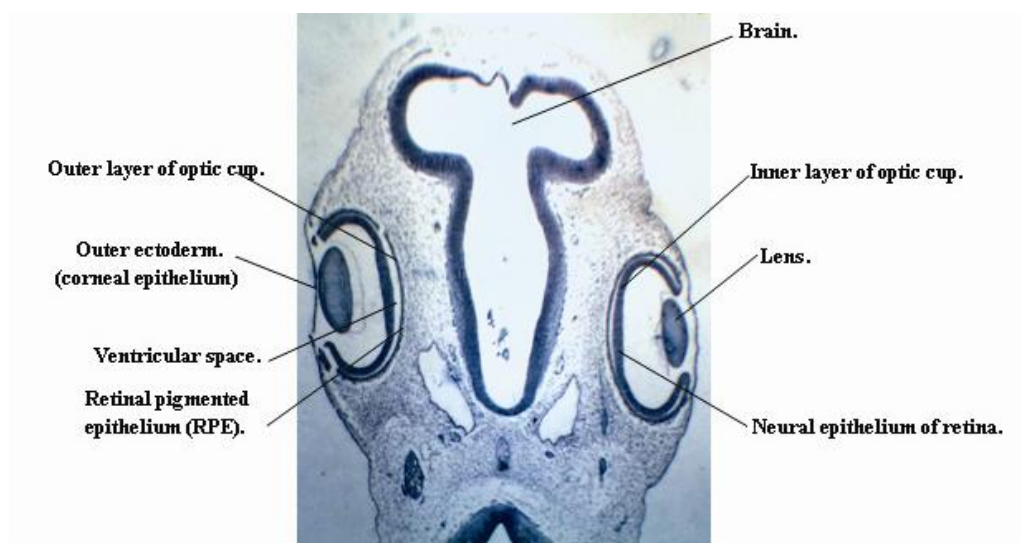


Fig.(74): T.S in mid-orbital region of 20 mm. embryo stage of *Columba* at magnification power 40X.

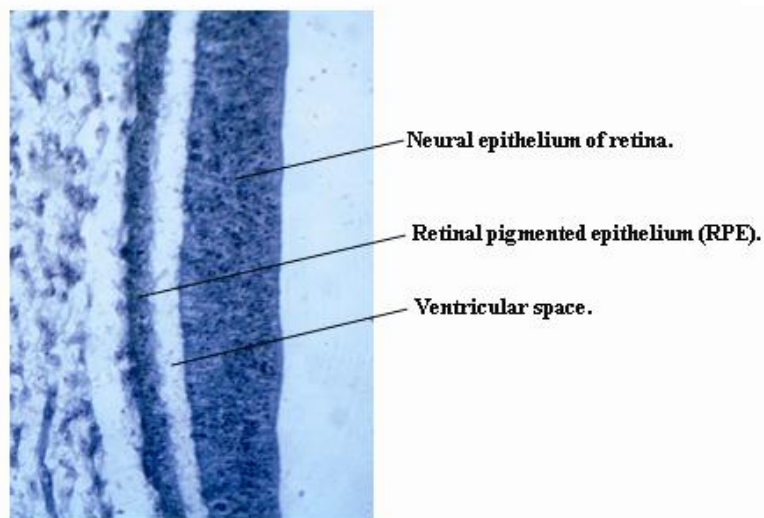


Fig.(75): The structure of retina at 400X.

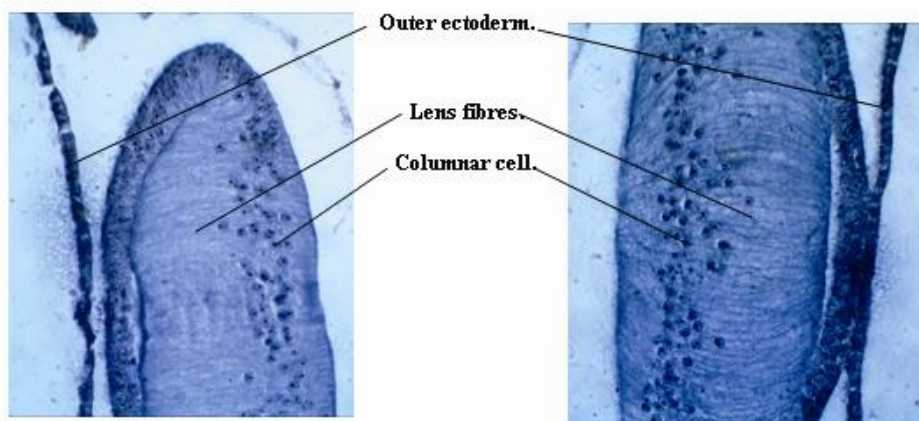


Fig.(77): The lens vesicle is detached from outer ectoderm at 400 X.

Fig.(76): The lens placode in contact with outer ectoderm at 400X.

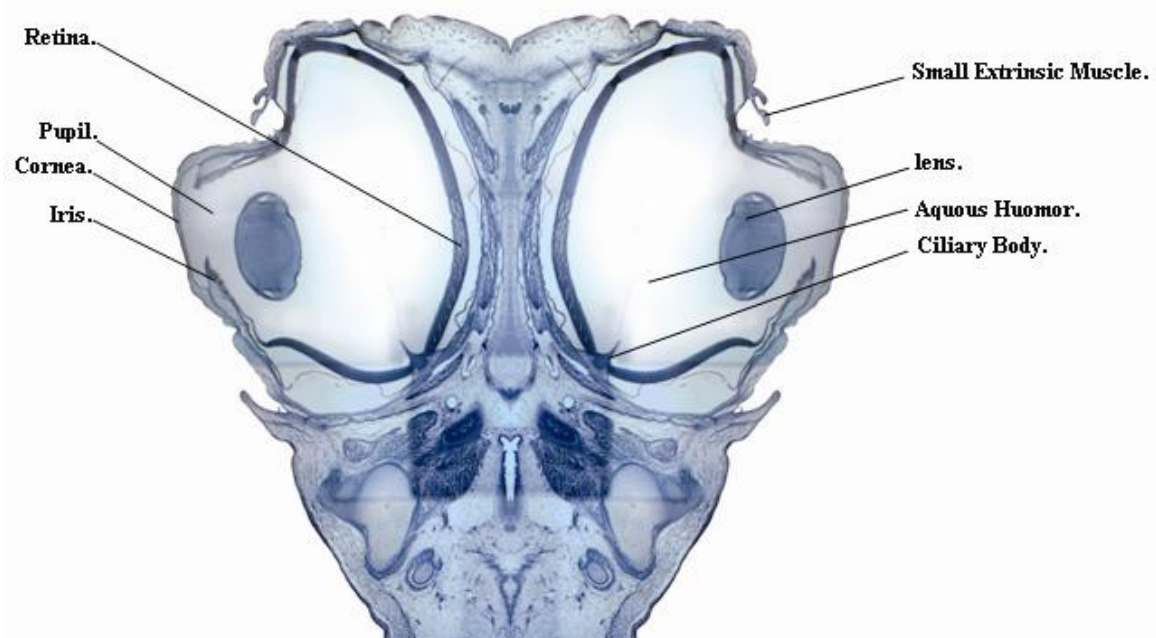


Fig.(78): T.S in mid-orbital region of 46 mm. embryo stage of *columba* at magnification power 40X.

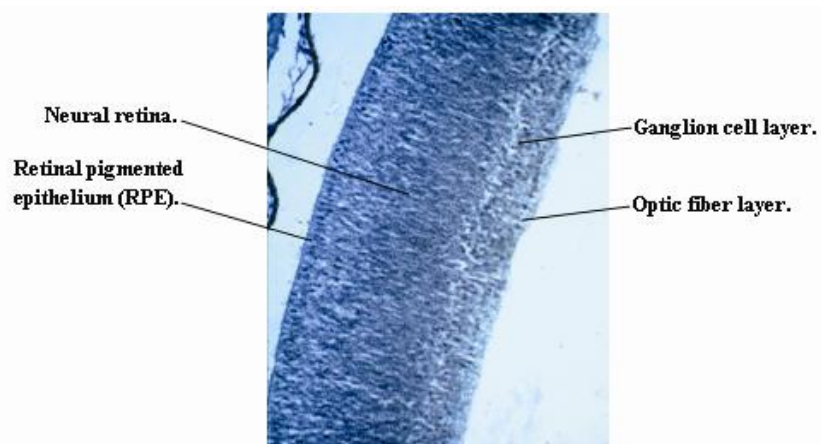


Fig.(79): Structure of retina at magnification power 400X.

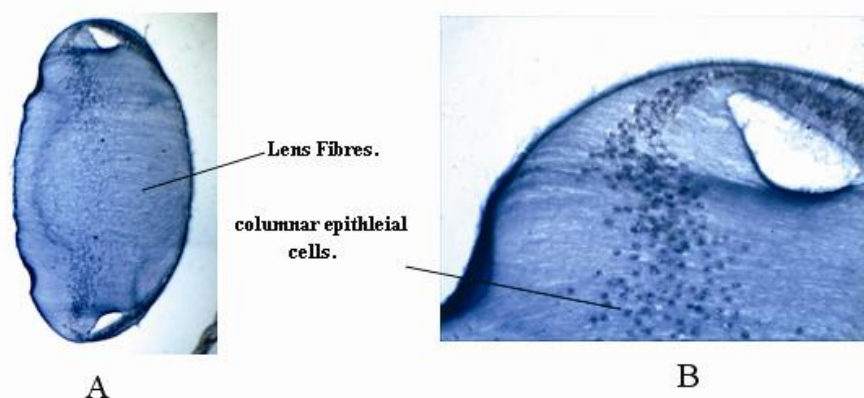


Fig.(80): Structure of lens at magnification power; A: 100X. , B: 400X.

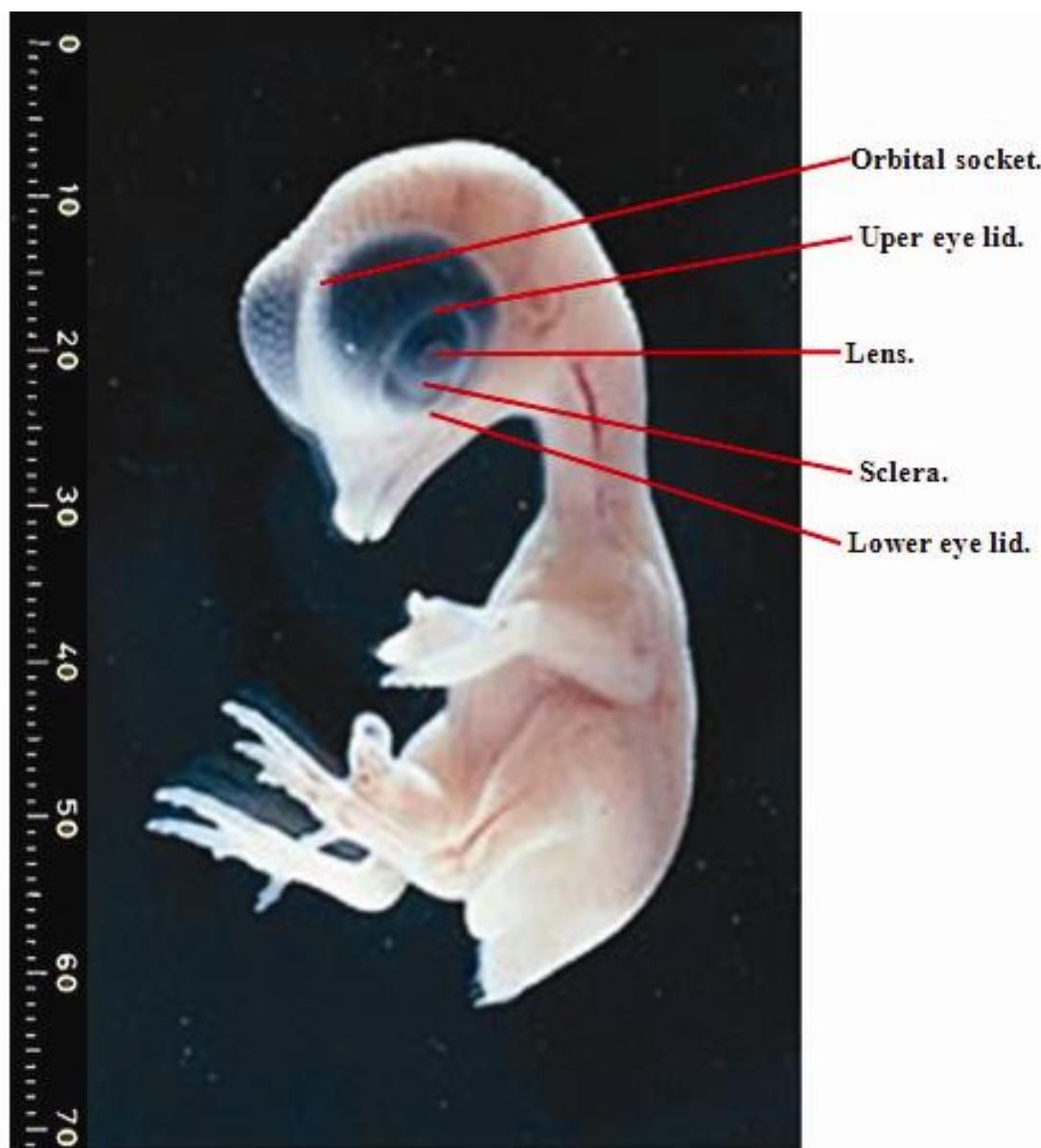


Fig.(81): Whole mount of 71mm. embryo stage of *Columba* to show the position of eye in orbital socket and its eye lids.

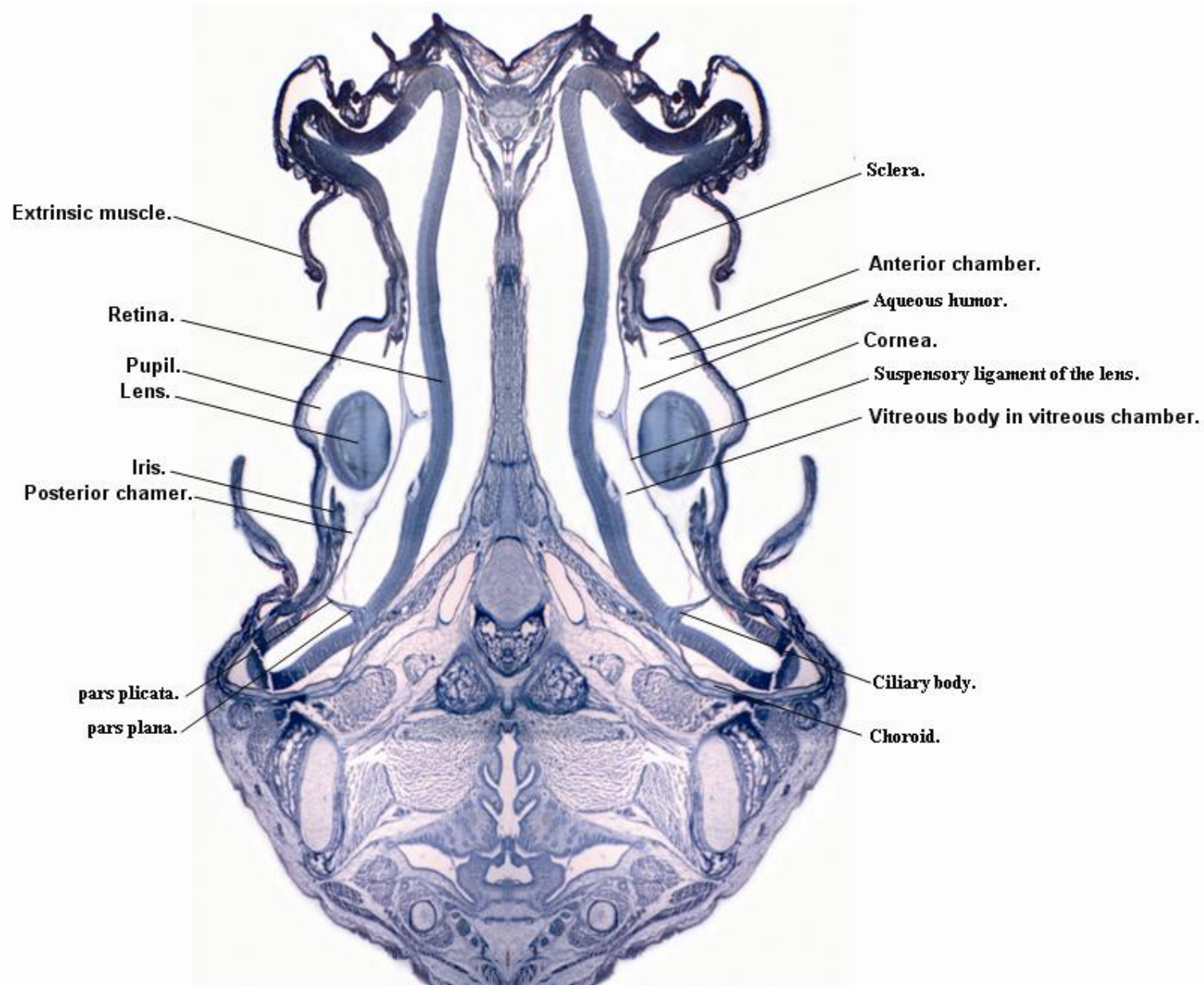
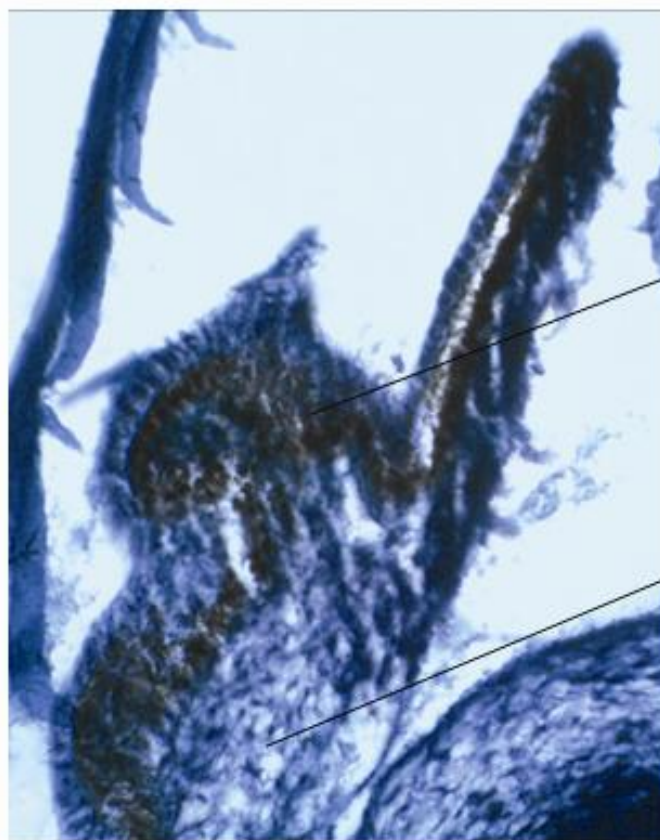


Fig.(82): T.S. in the mid-orbital region of eye of 71mm. embryo stage of *Columba* at magnification power 40X.



Melanin pigment.

Smooth muscle fibre.

Fig.(83): T.S. in the anterior portion of iris at magnification power 400x

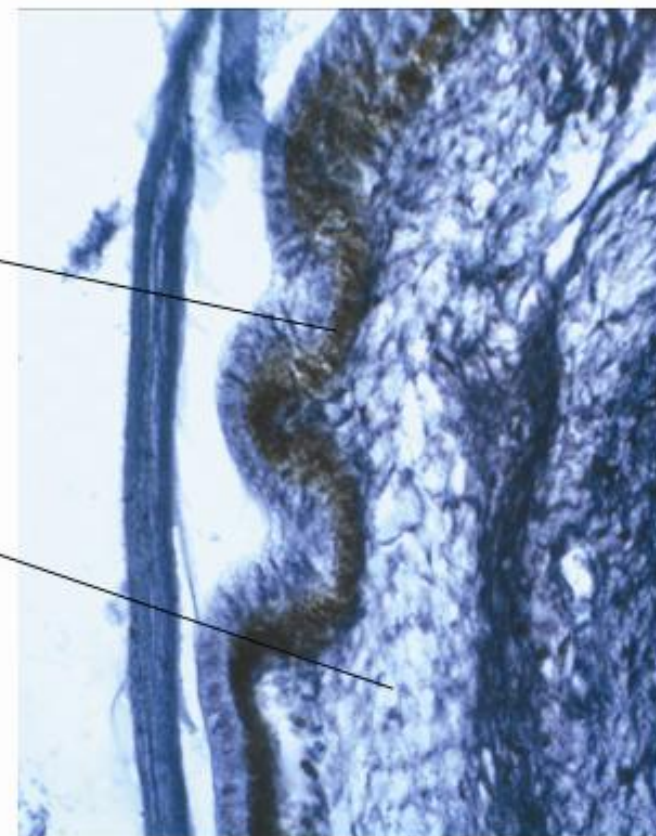


Fig.(84): T.S. in the middle portion of iris at magnification power 400x

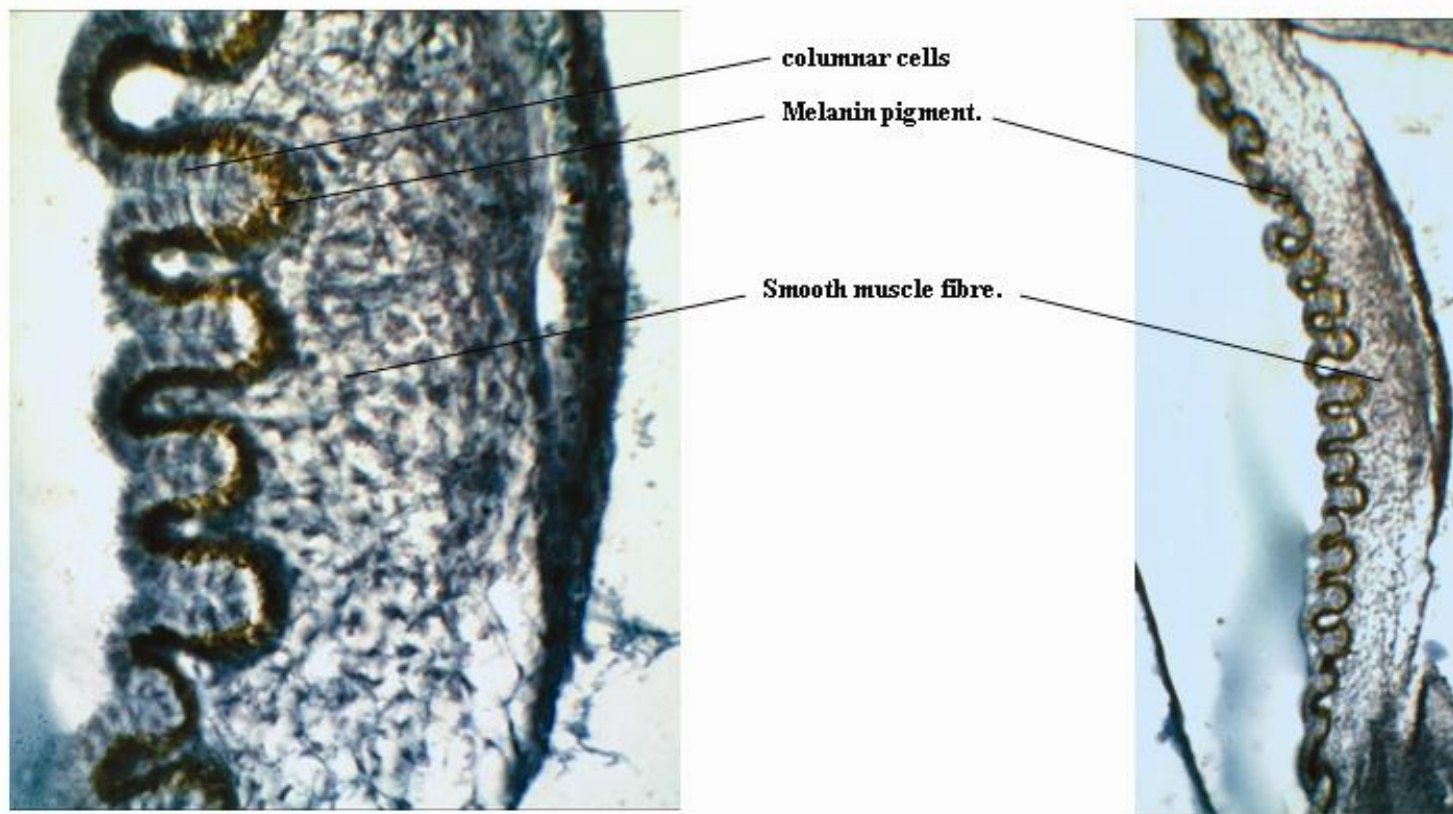


Fig.(85): T.S. in the ciliary body at magnification power 400x.

Fig.(86): T.S. in the ciliary body at magnification power 100x.

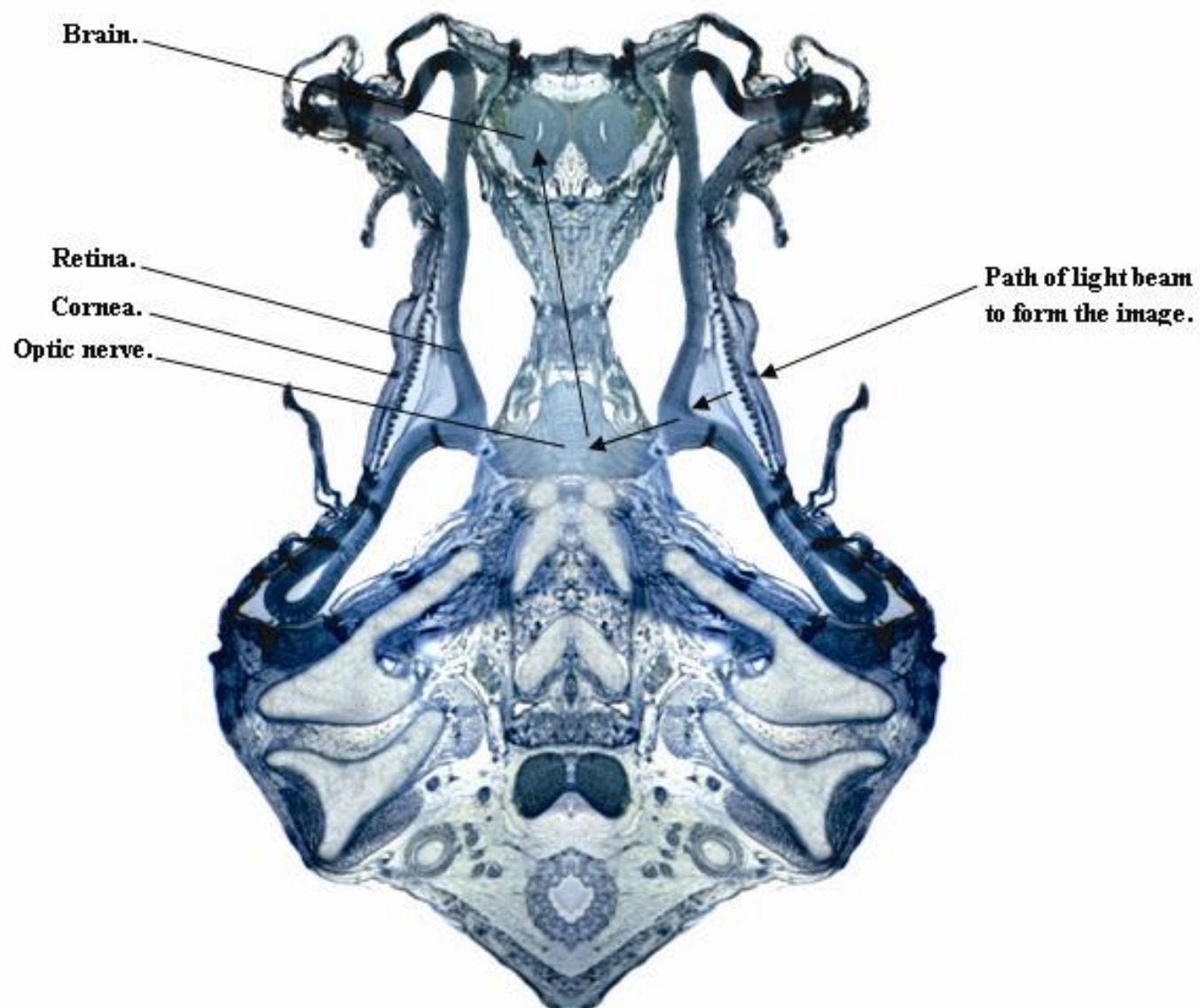


Fig.(87): T.S. in the posterior region of eye of 71mm. embryo stage of *Columba* at mangification power 40X.

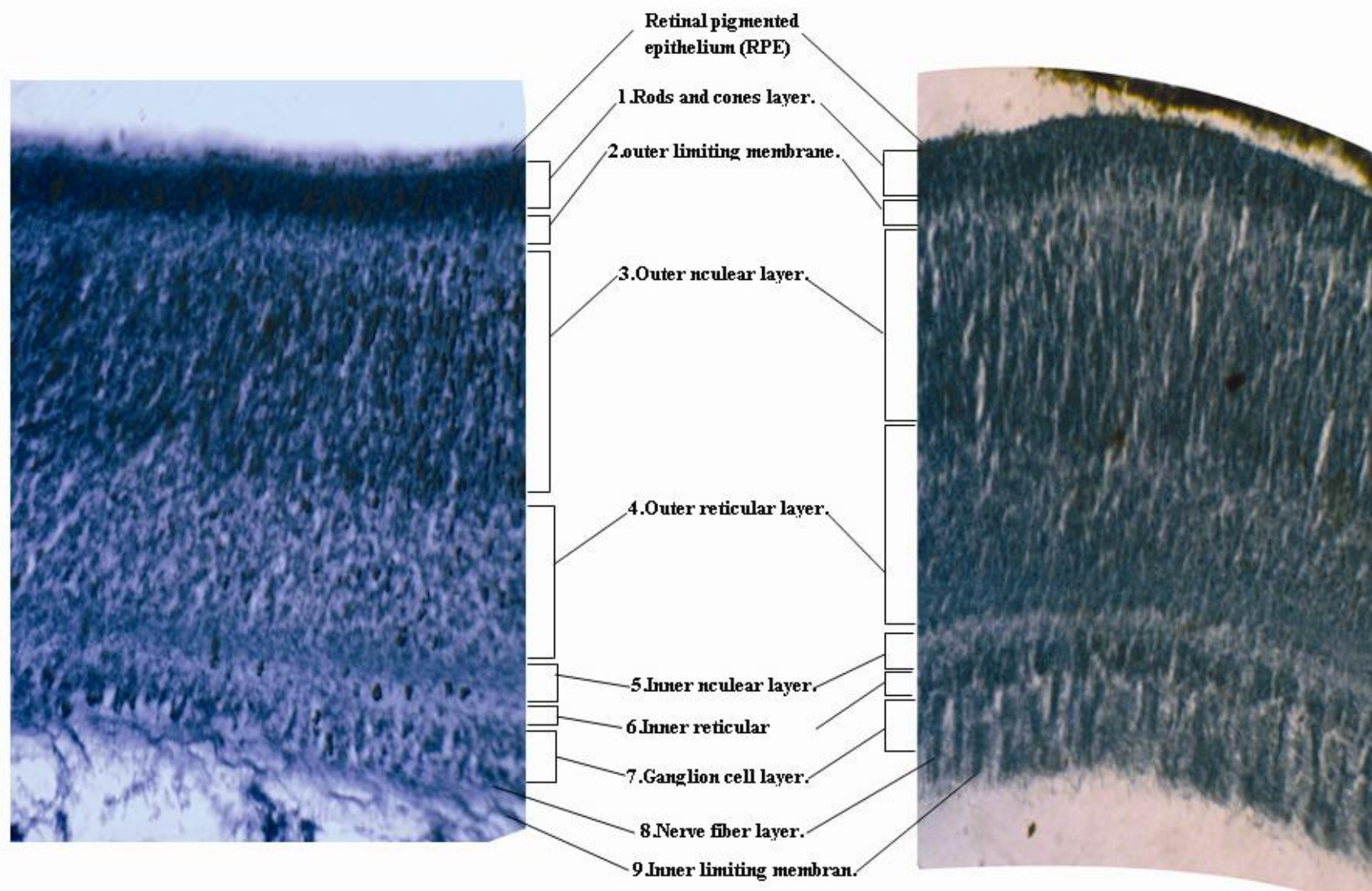


Fig.(88): Structure of retina of 71 mm. embryo stage of *Columba* at magnification power 400X.

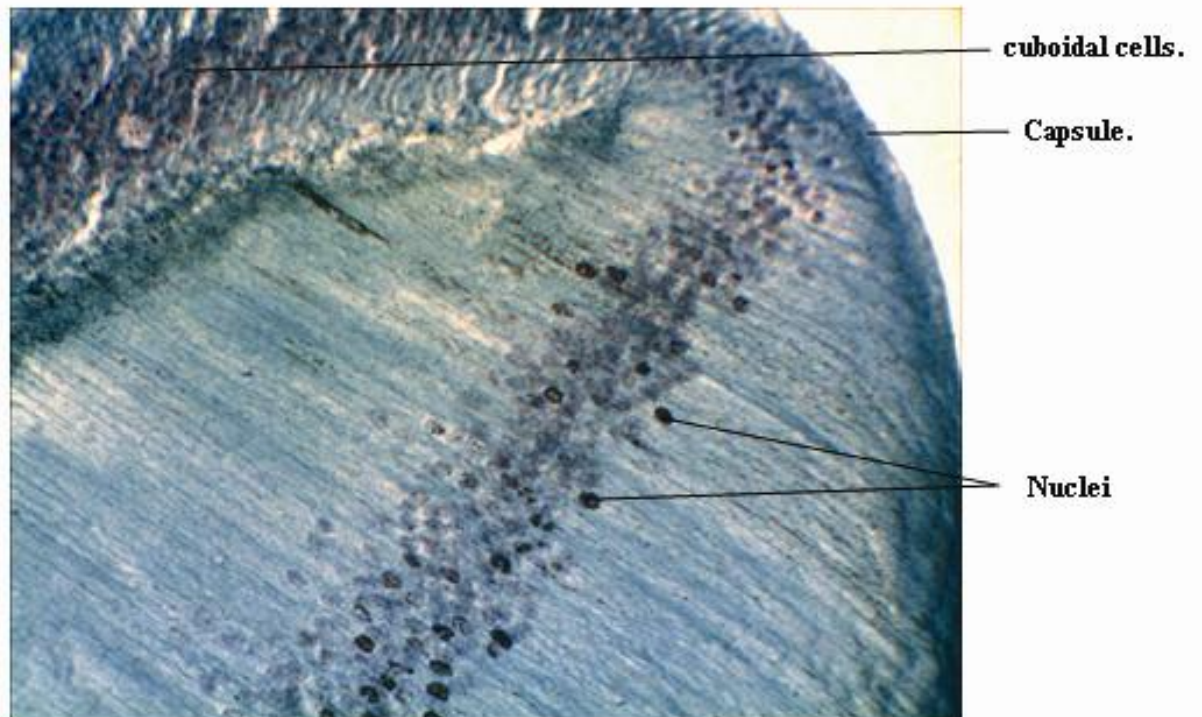


Fig.(89): Structure of lens of 71 mm. embryo stage of *columba livia domestica* at magnification power 400X.