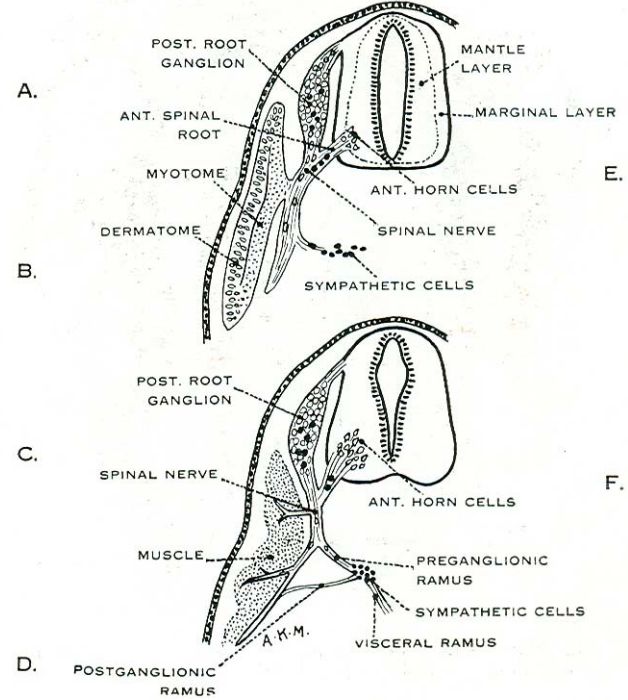
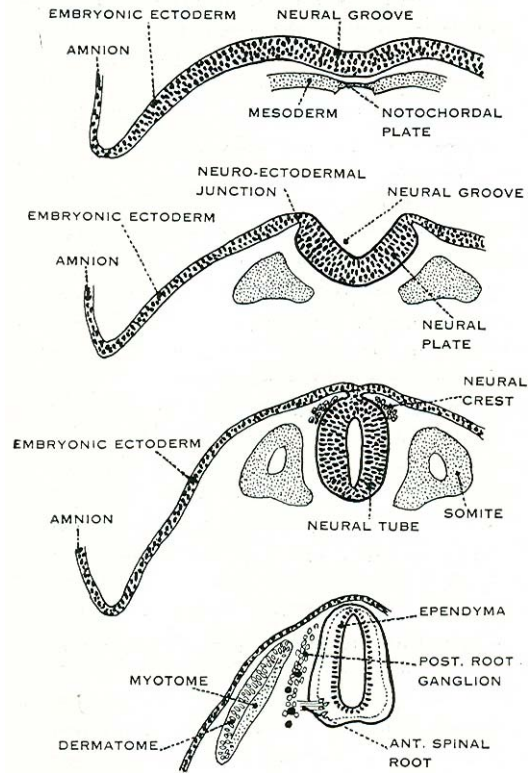
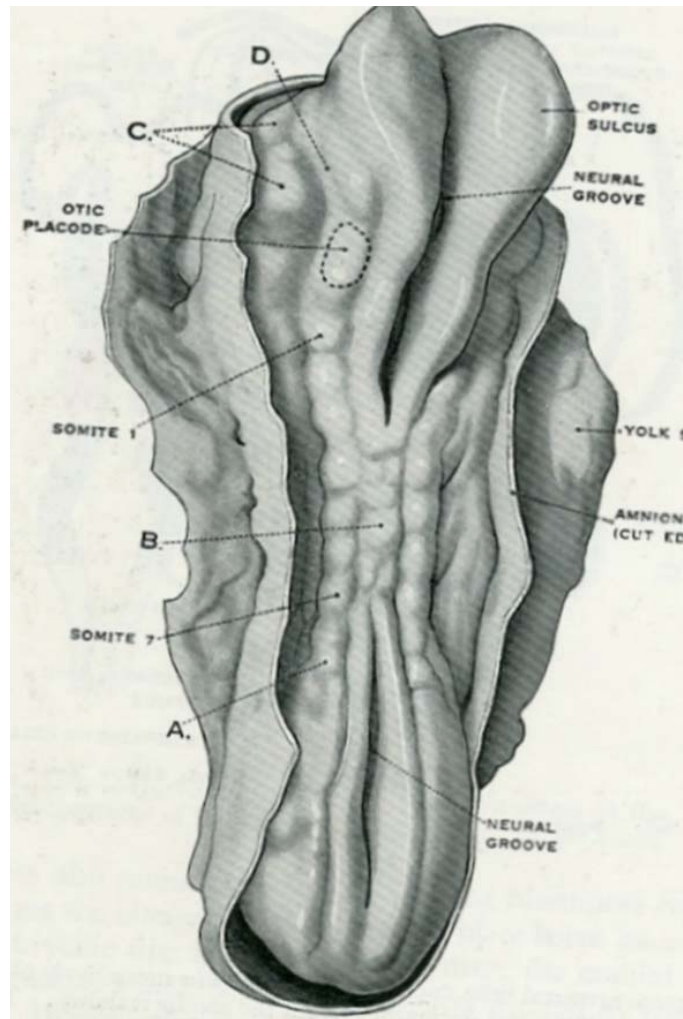
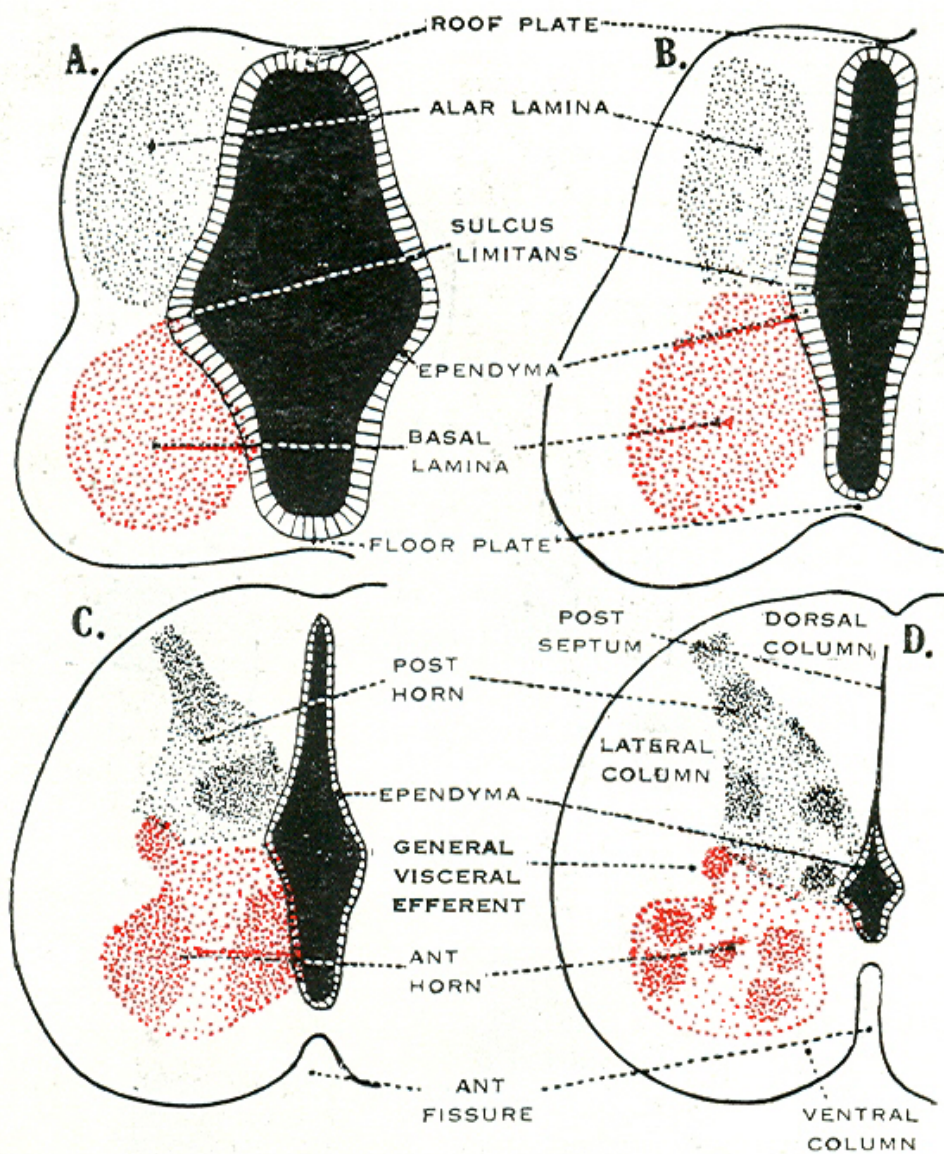
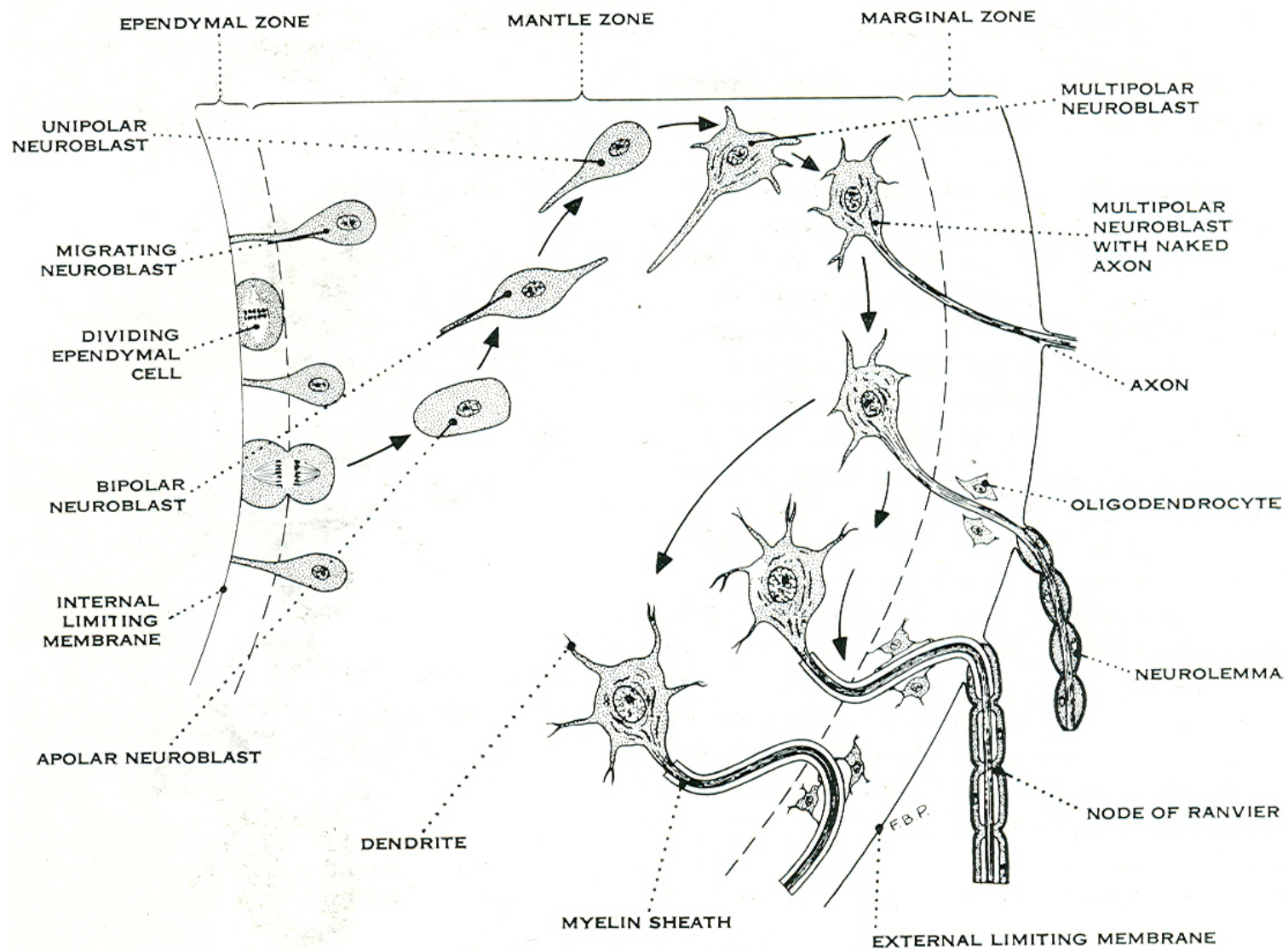
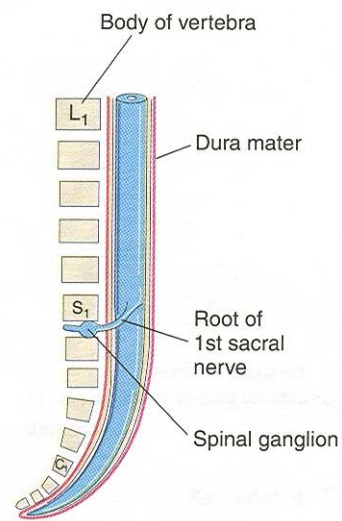






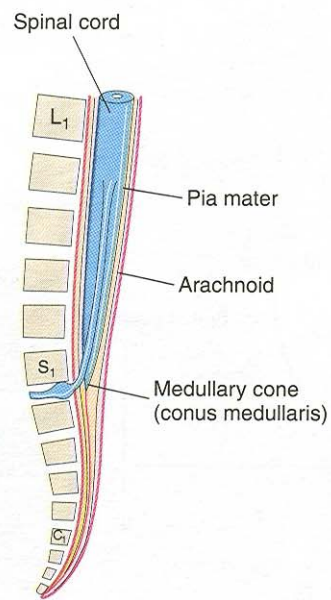






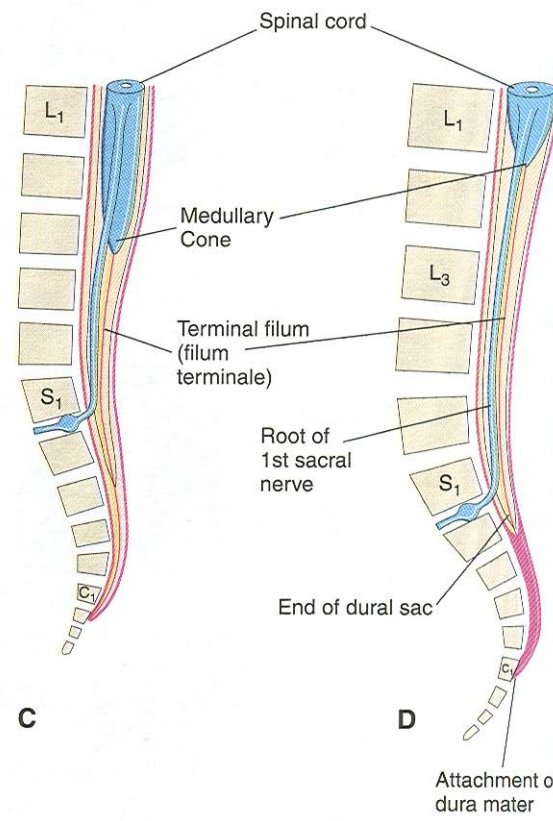
A

2 months



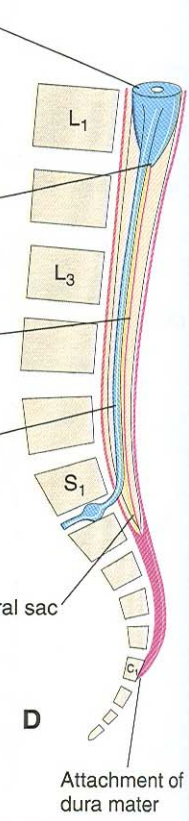
B

6 months



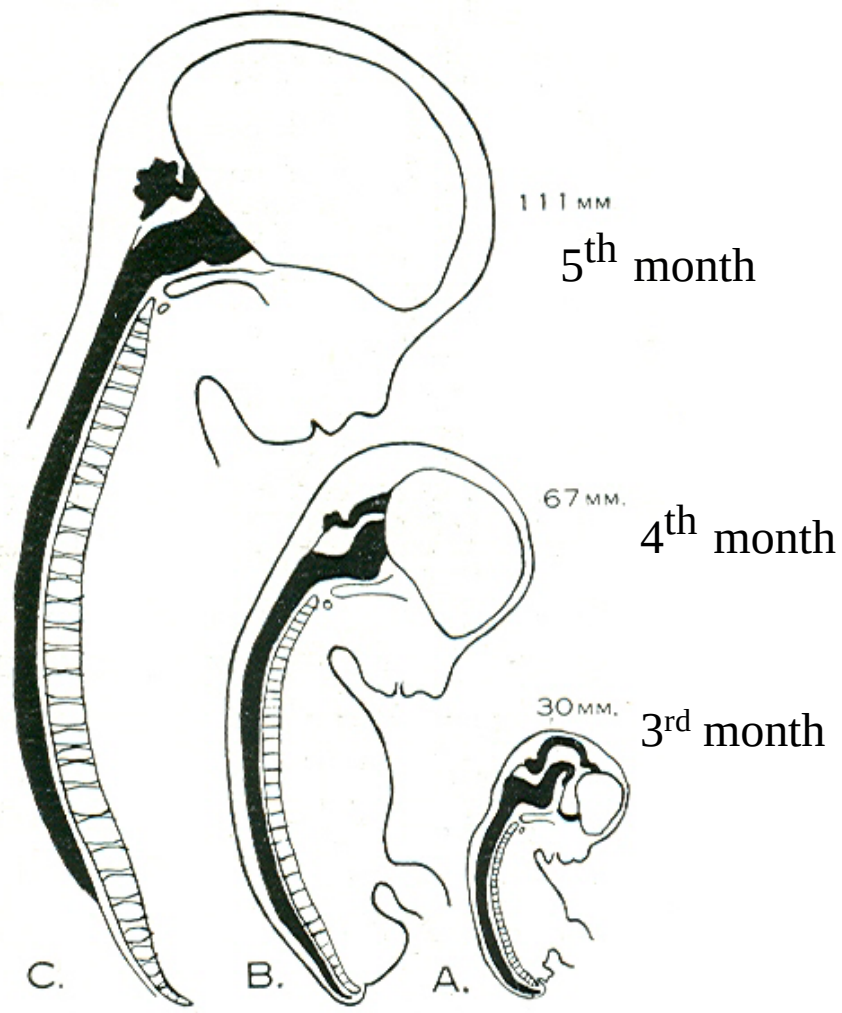
C

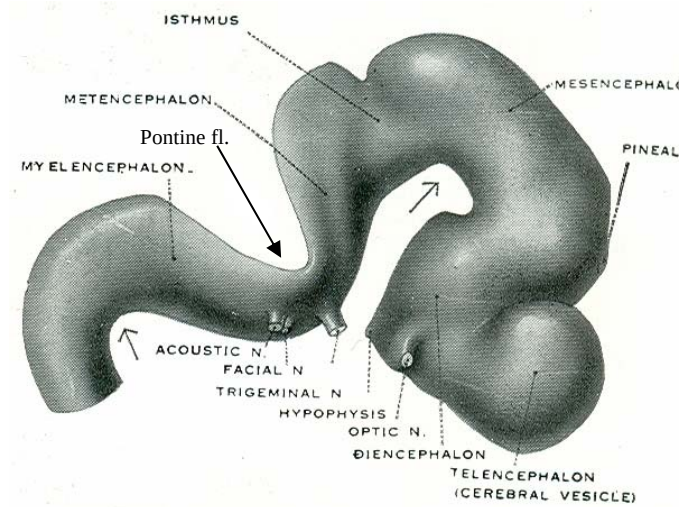
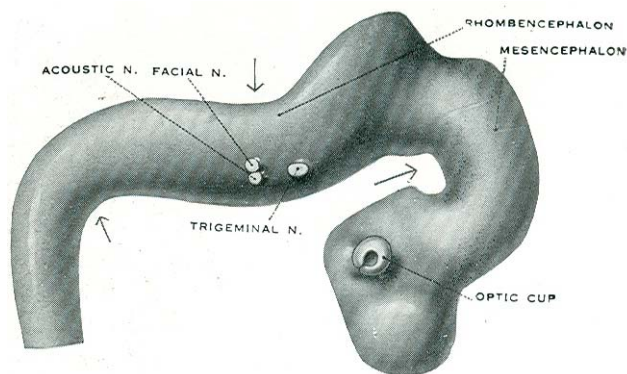
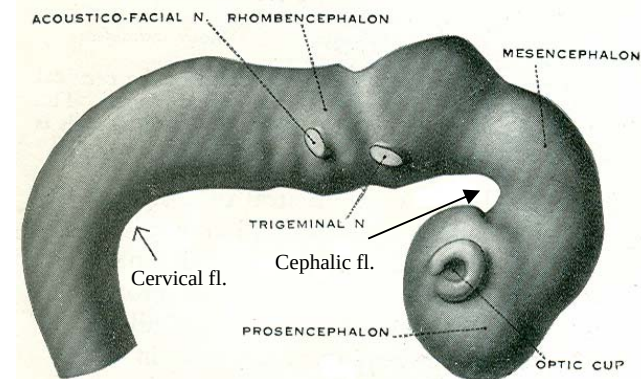
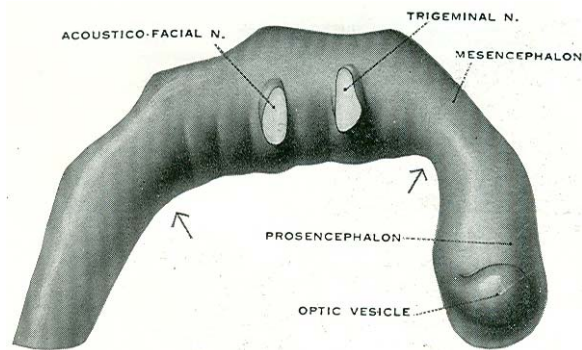
Newborn

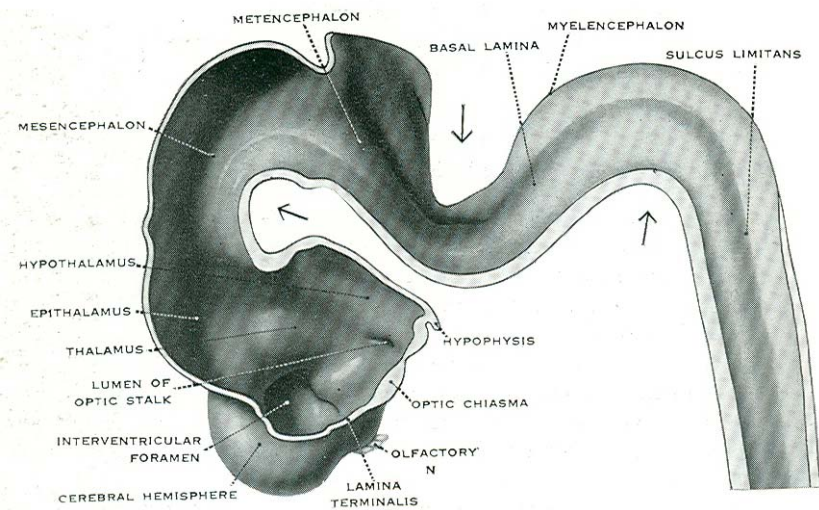
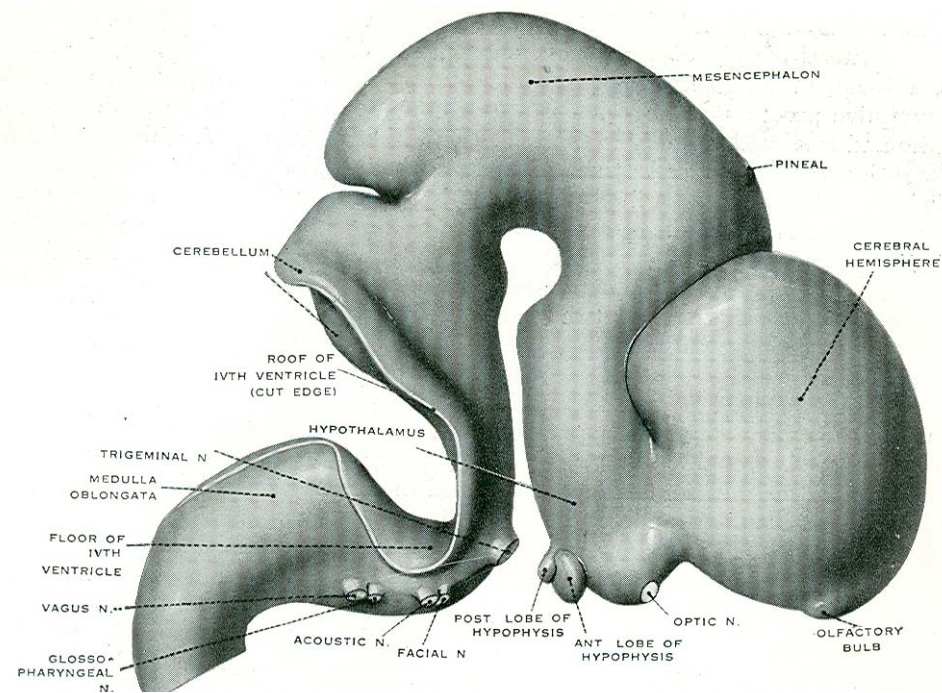


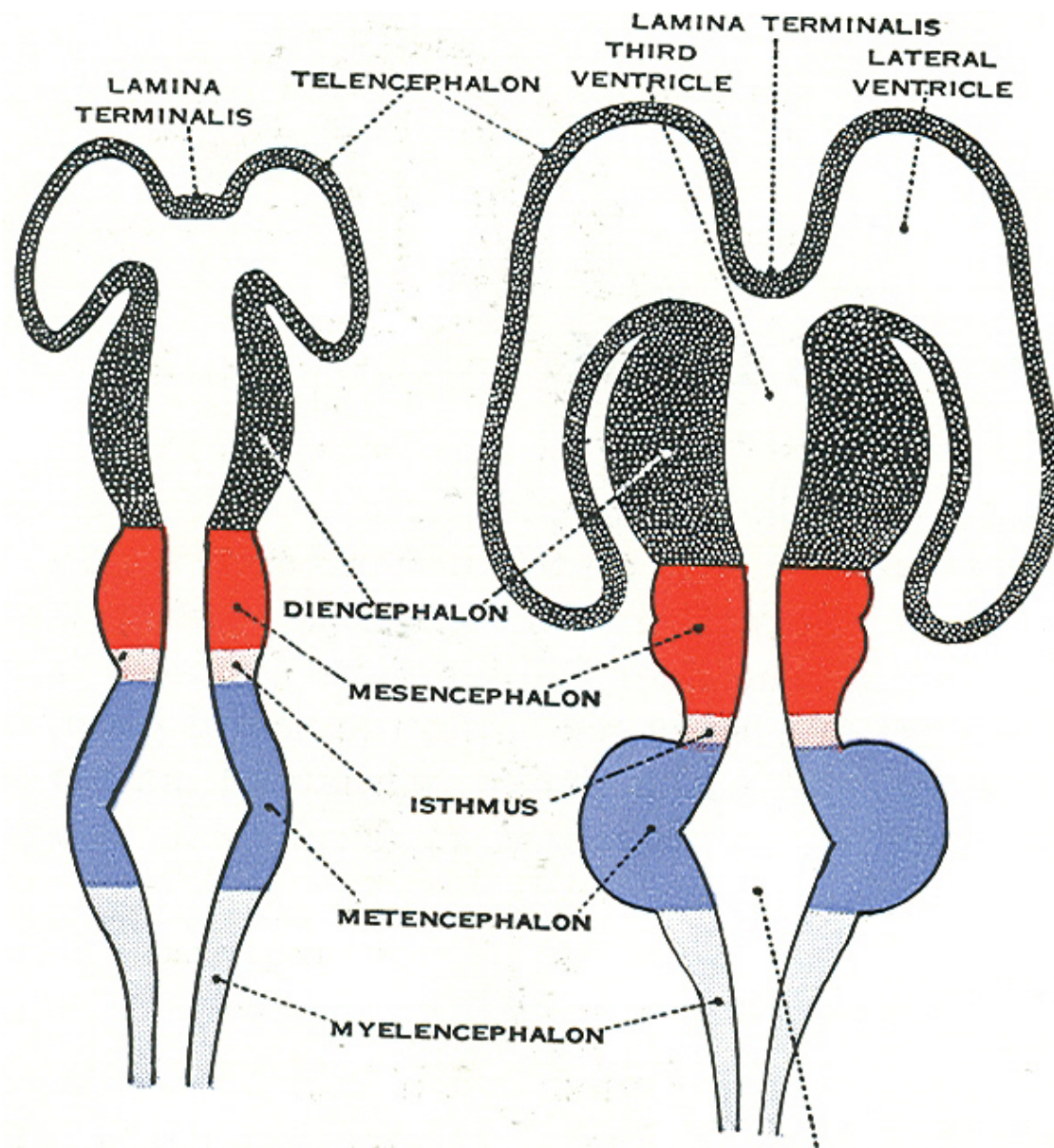
D

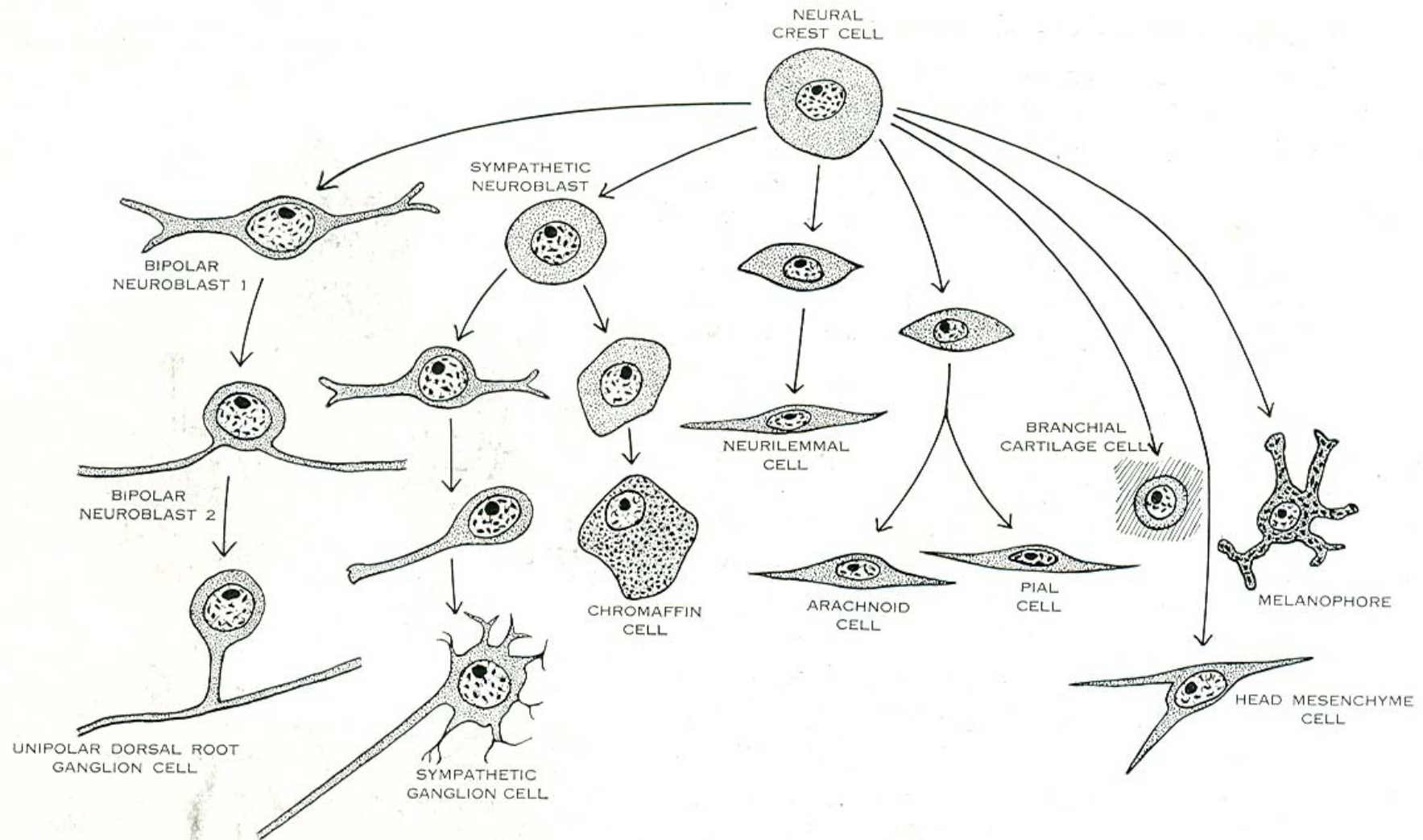
Adult





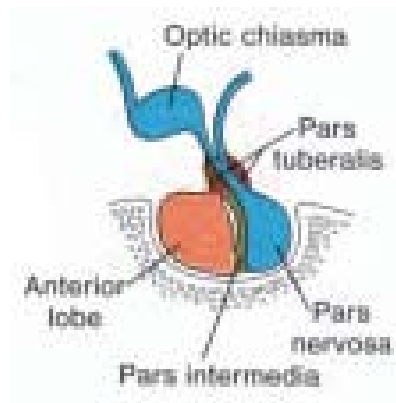
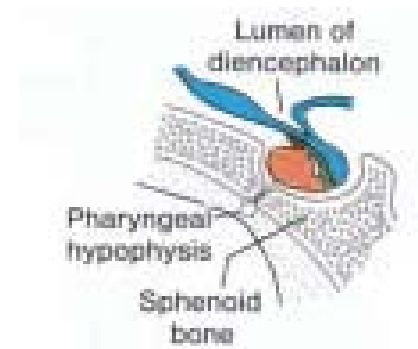
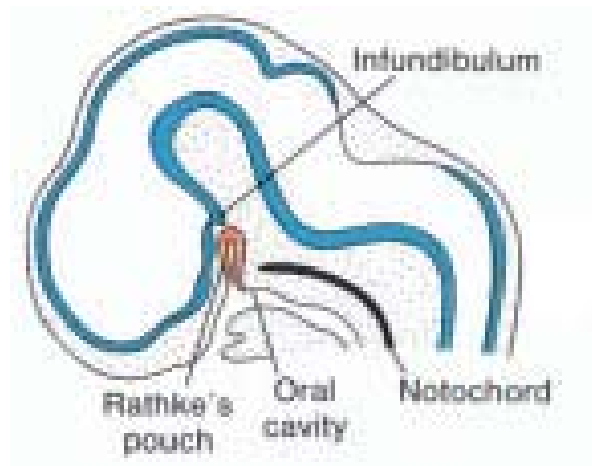






DERIVATIVES OF NEURAL CREST

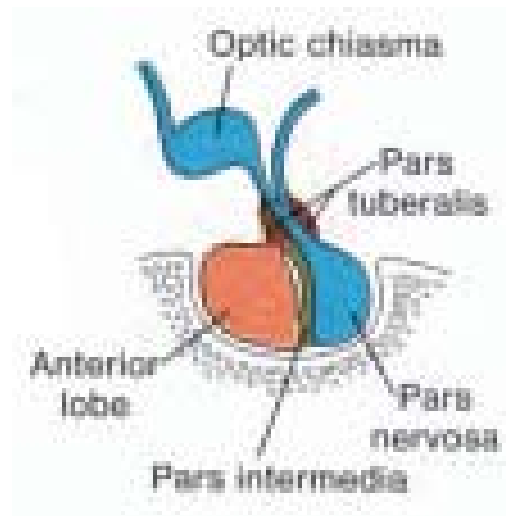
- 1. Dorsal root ganglion neurons**
- 2. Neurons of sensory ganglions of Cr N 5,7,9 & 10**
- 3. Neurons of sympathetic ganglia**
- 4. Schwann cells**
- 5. Cells of adrenal medulla**
- 6. Chromaffin tissue in carotid & paraaortic bodies**
- 7. Melanoblasts**
- 8. Leptomeninges (pia and arachnoid)**
- 9. Odontoblasts and mesenchyme of dental papilla**
- 10. Mesoderm of head region**
- 11. Cells of diffuse endocrine system**

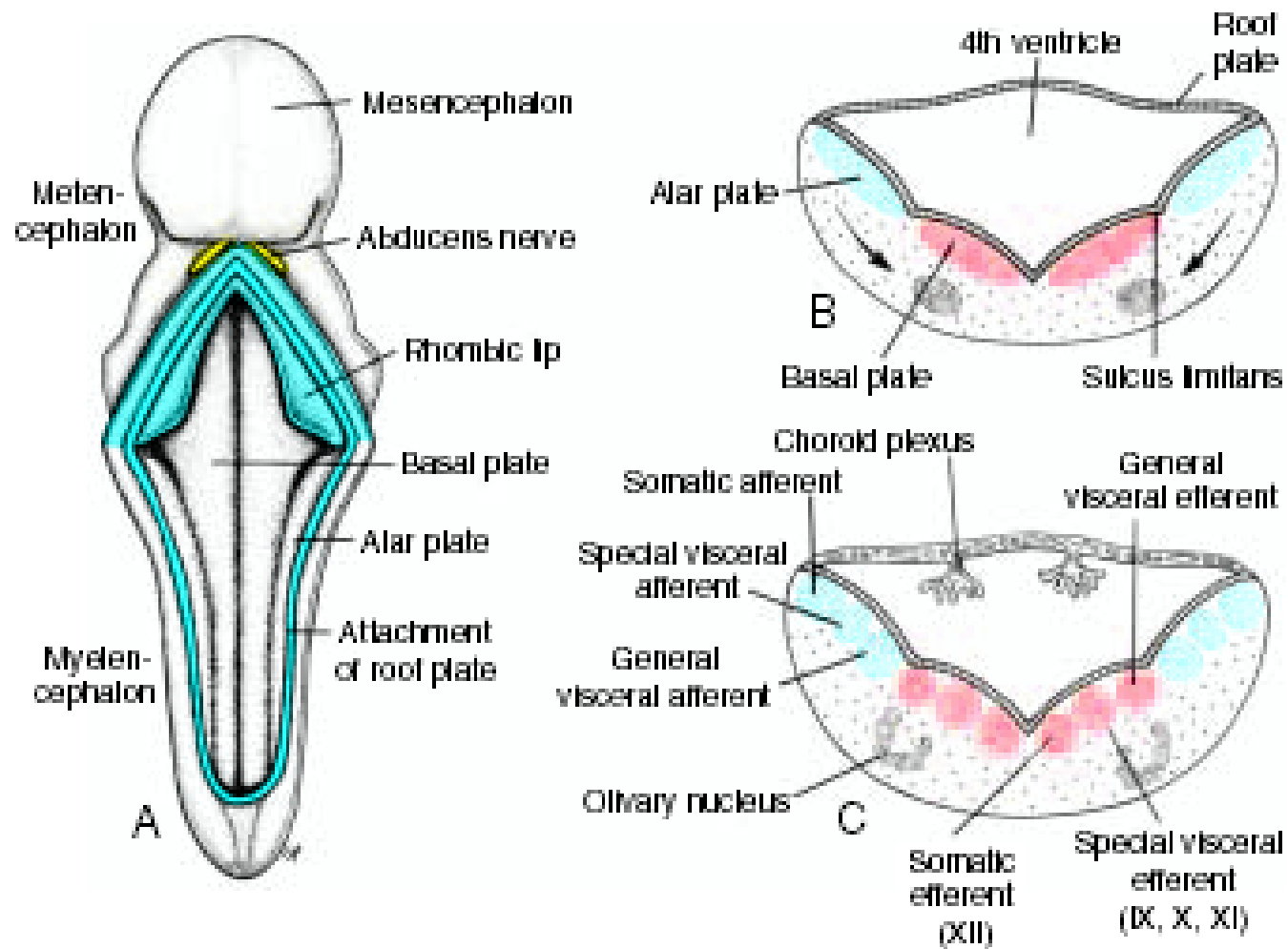


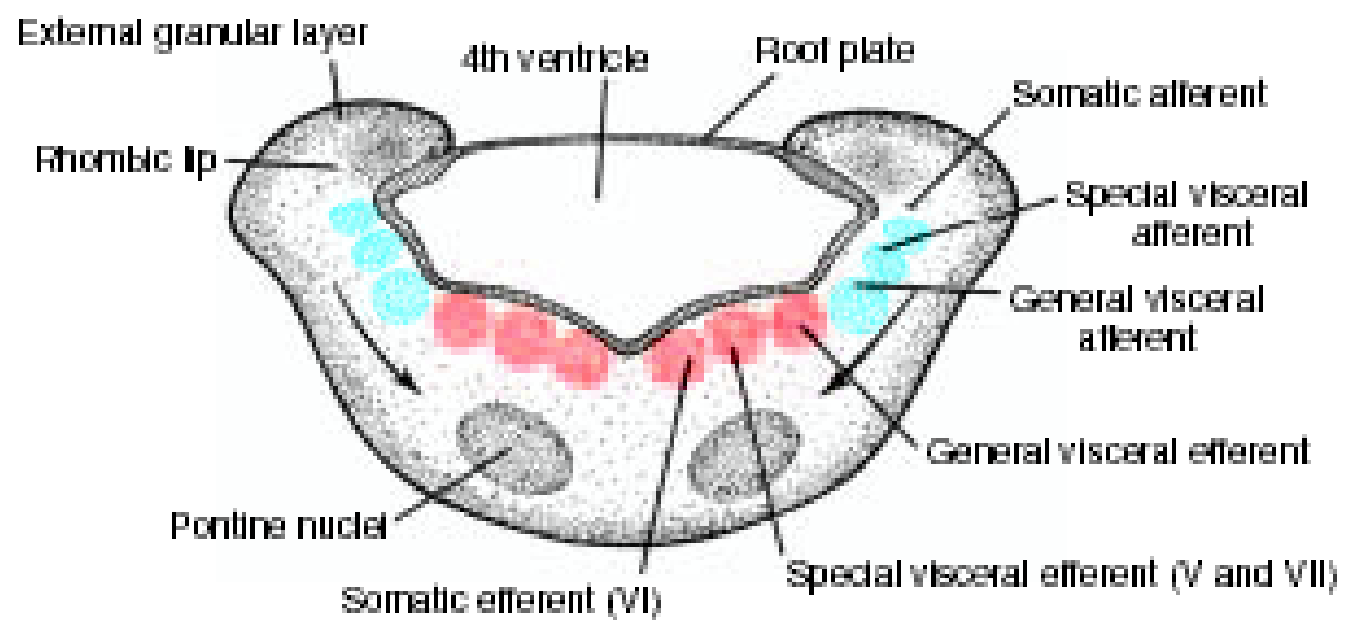
Development of Pituitary

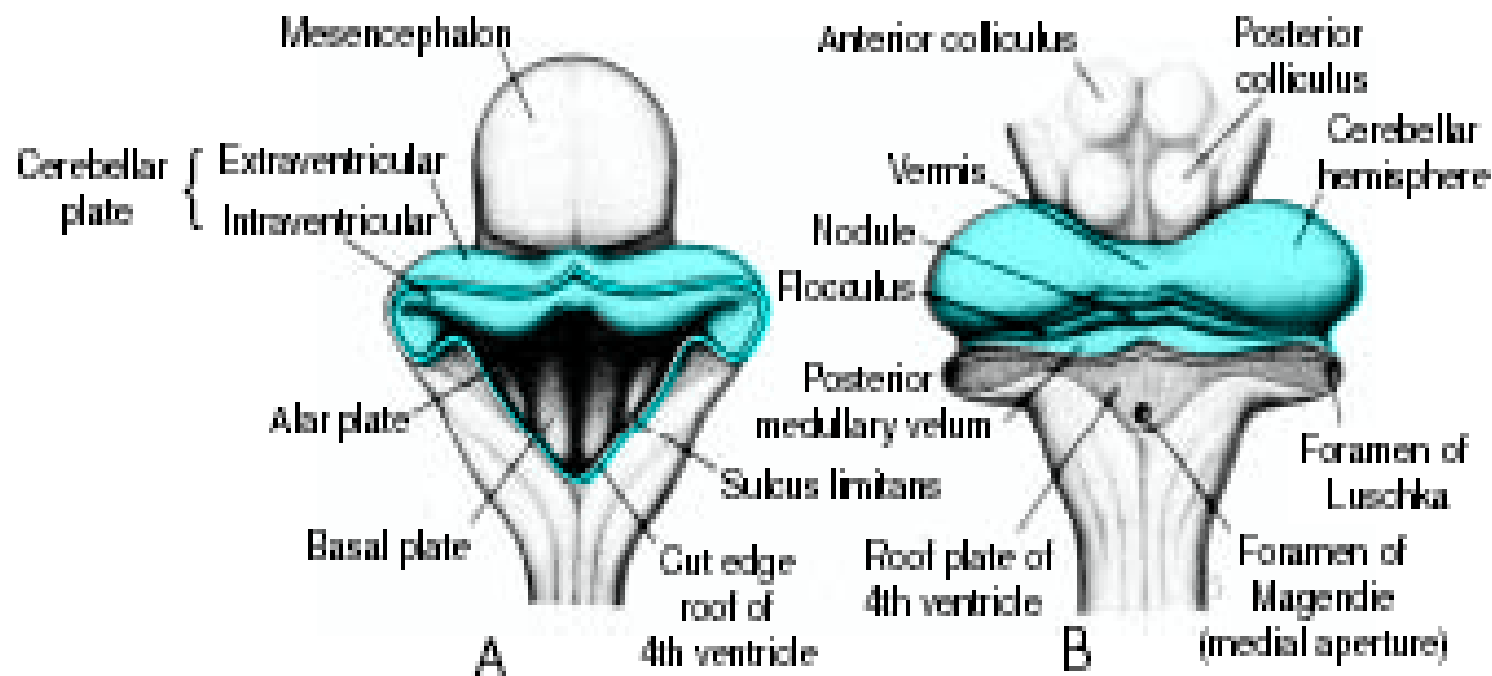
Whole of pituitary develops from ectoderm.

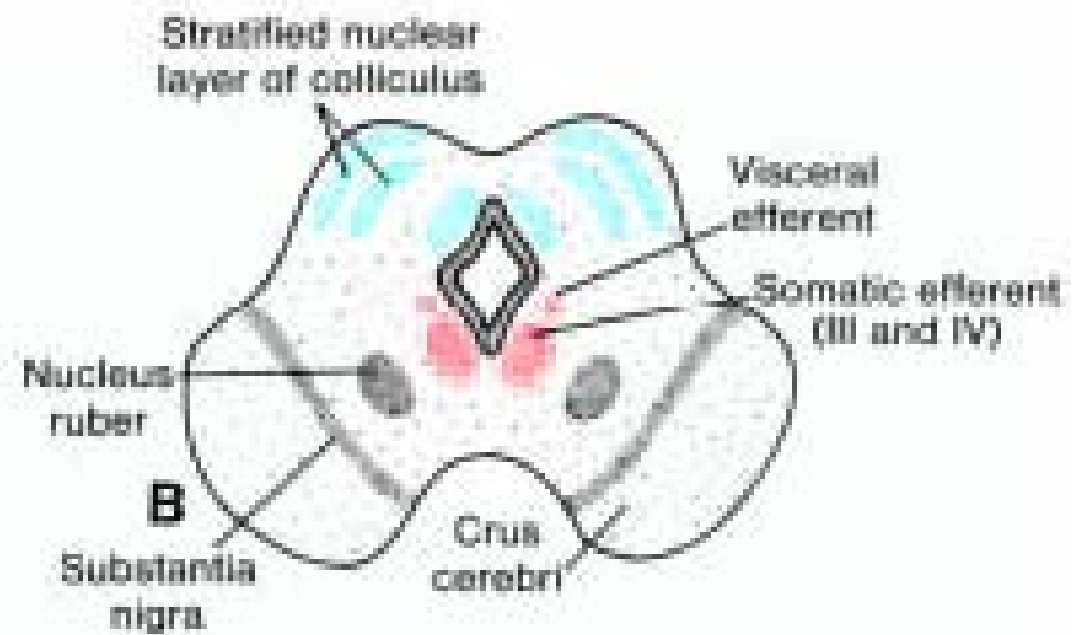
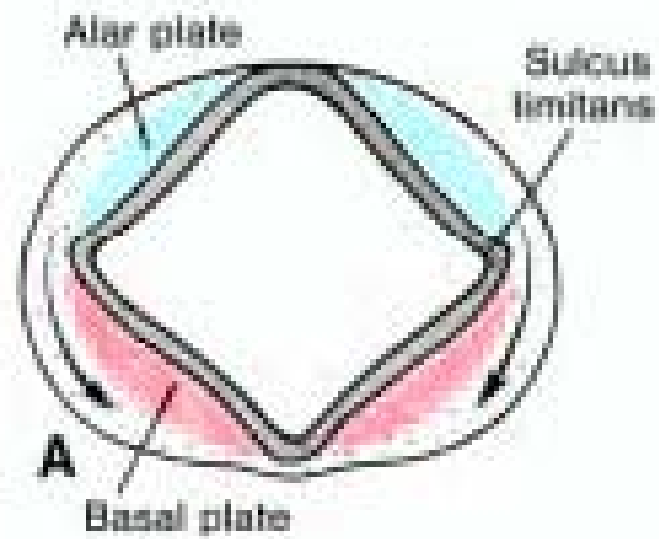
1. Anterior lobe, intermediate lobe and pars tuberalis develop from Rathke's pouch.
2. Posterior lobe and infundibulum develop from infundibular process.

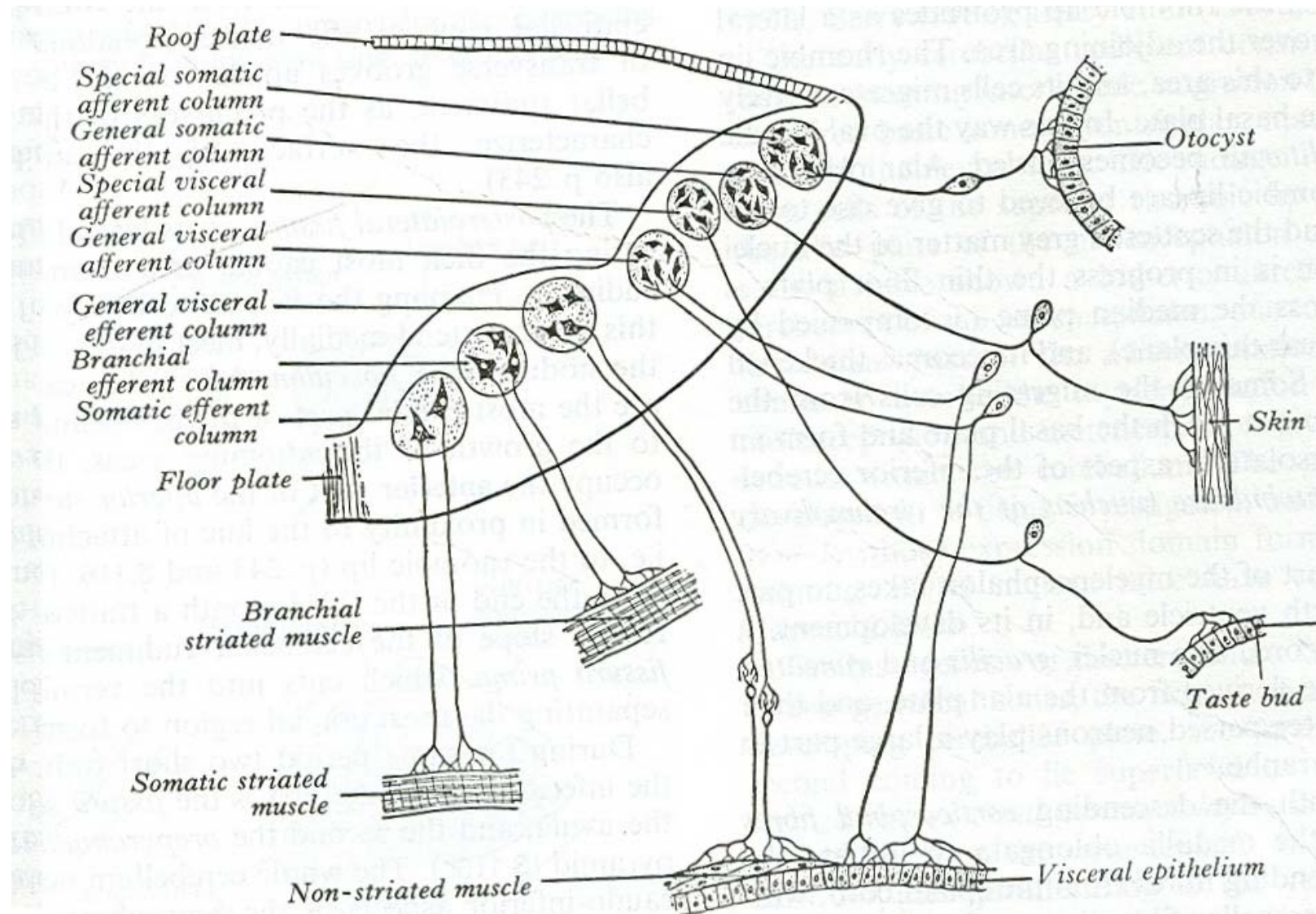


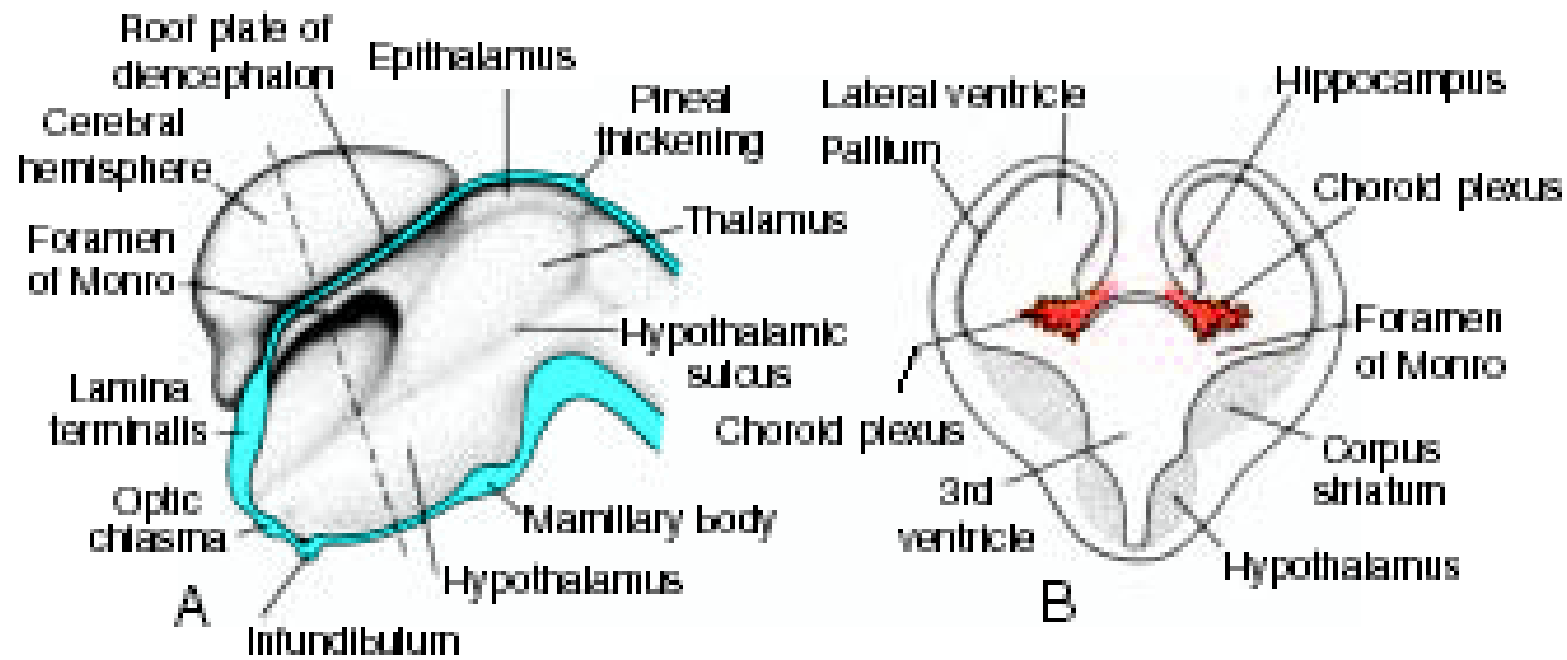


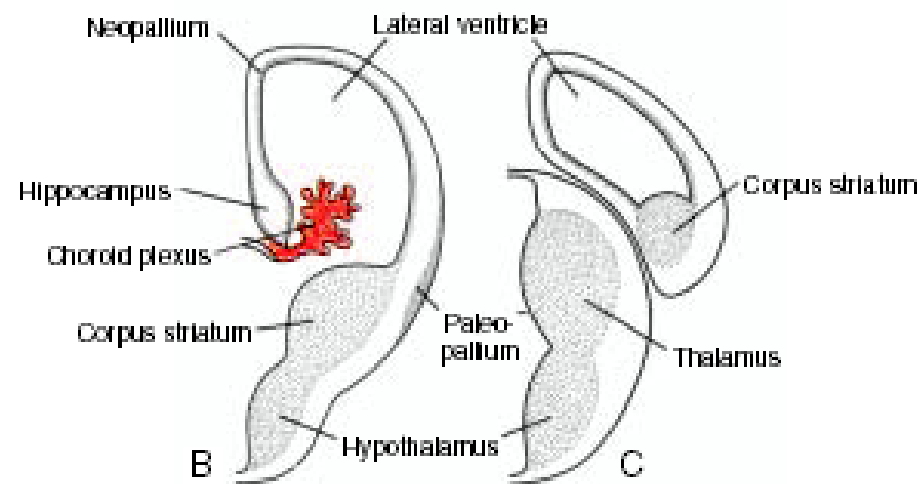
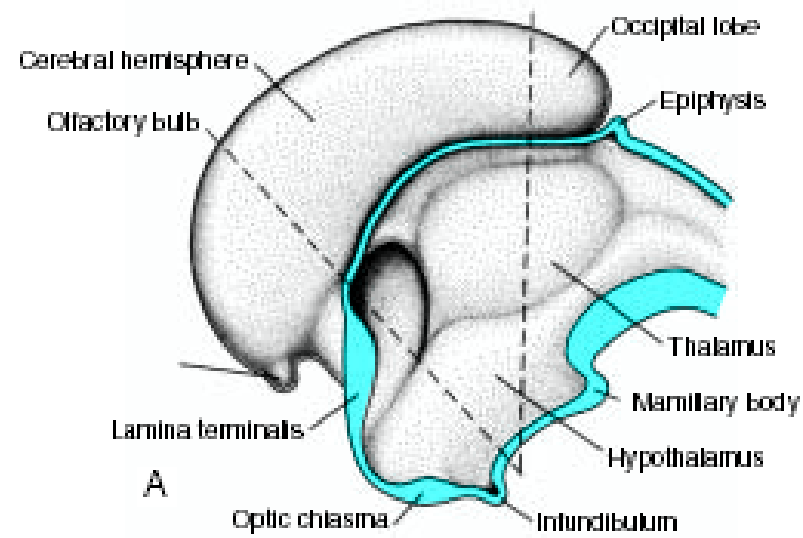


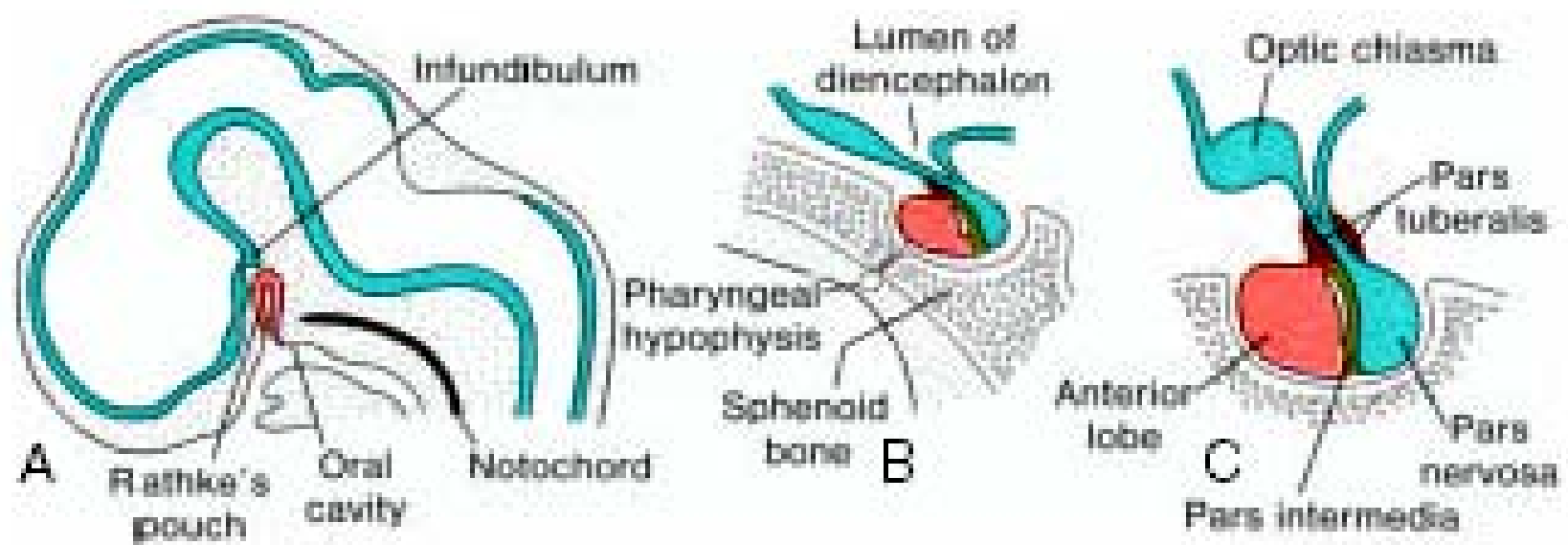


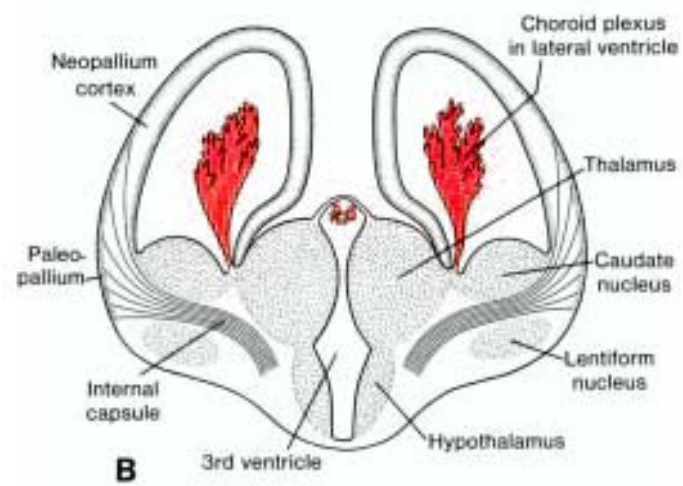
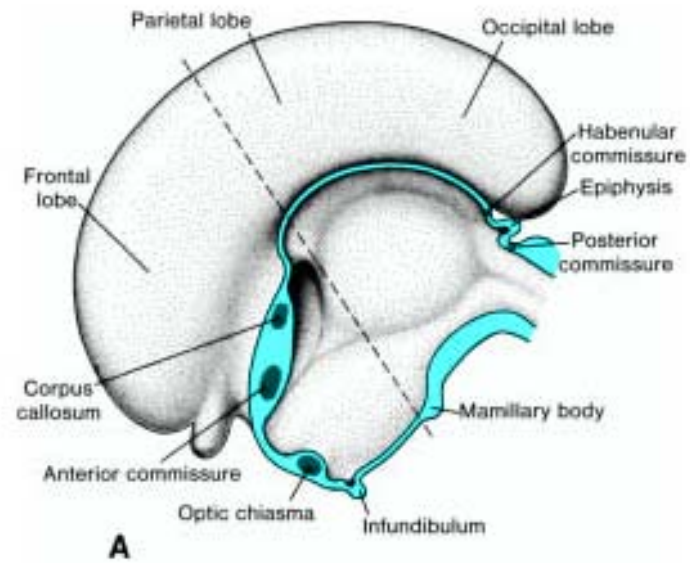


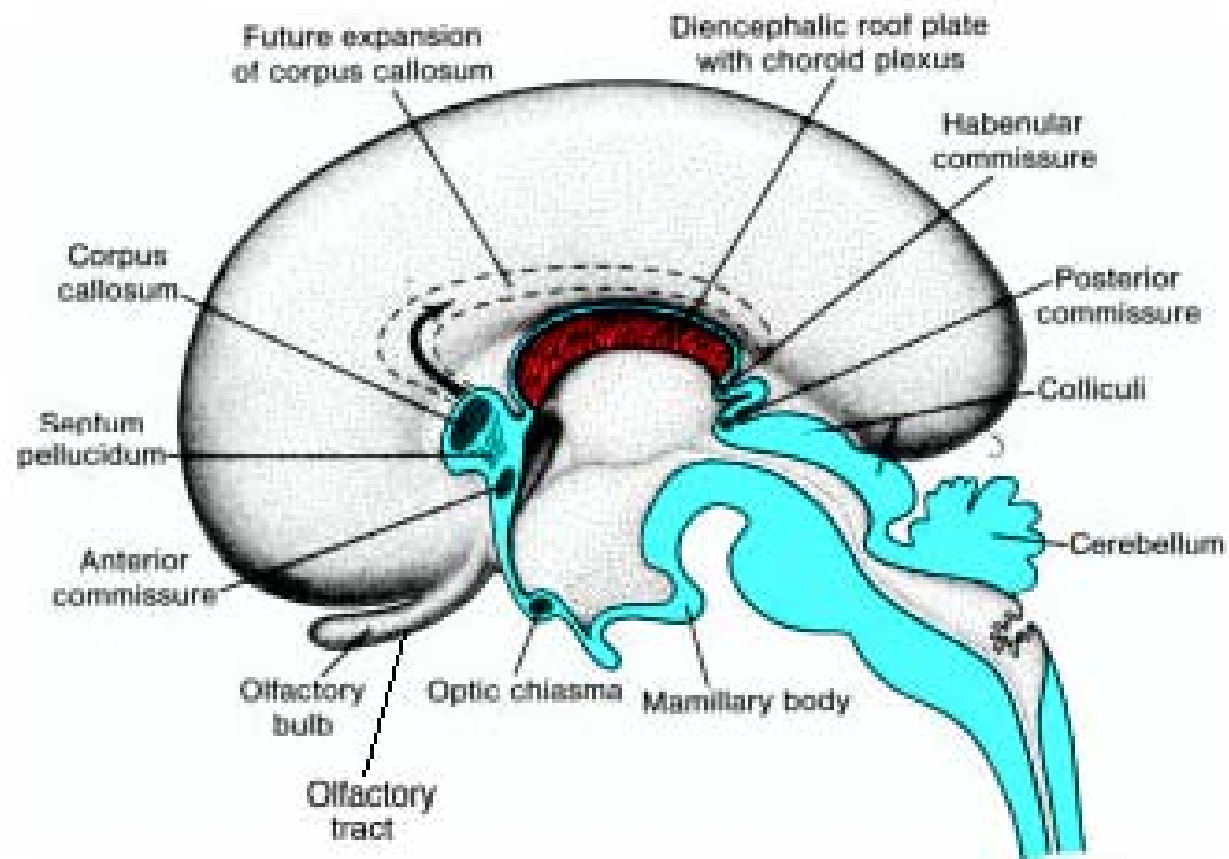








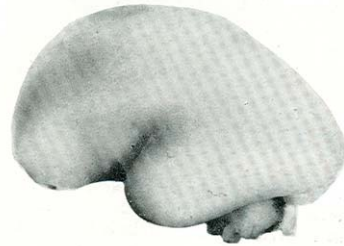
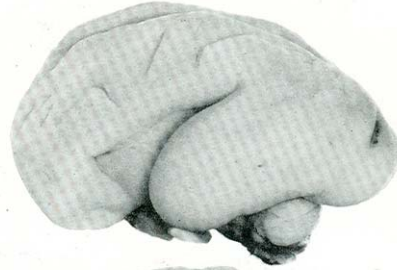




5TH MONTH



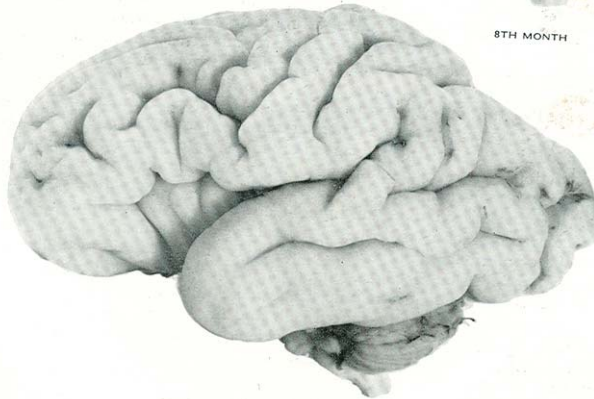
7TH MONTH



6TH MONTH

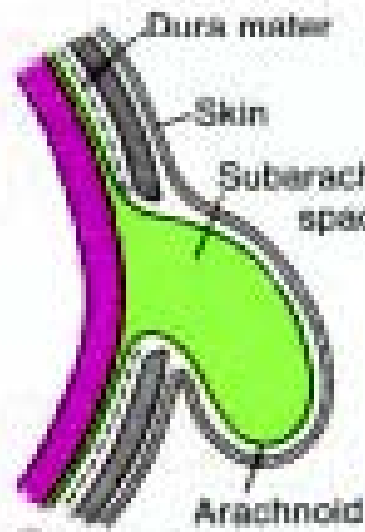


8TH MONTH

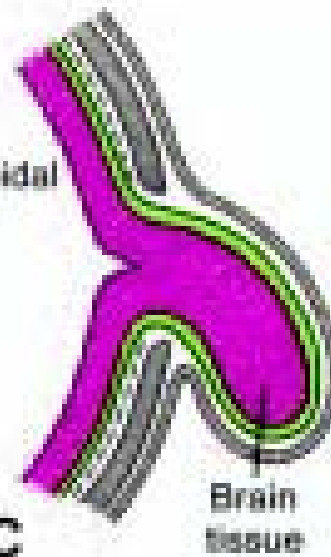




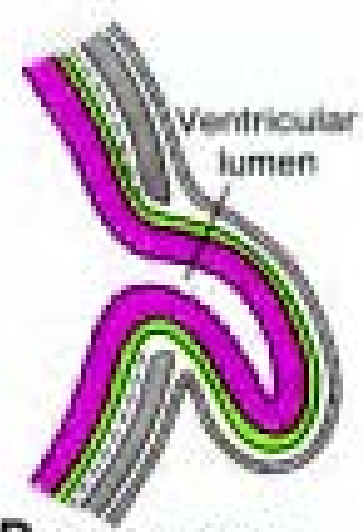
A
Meningoencephalocele



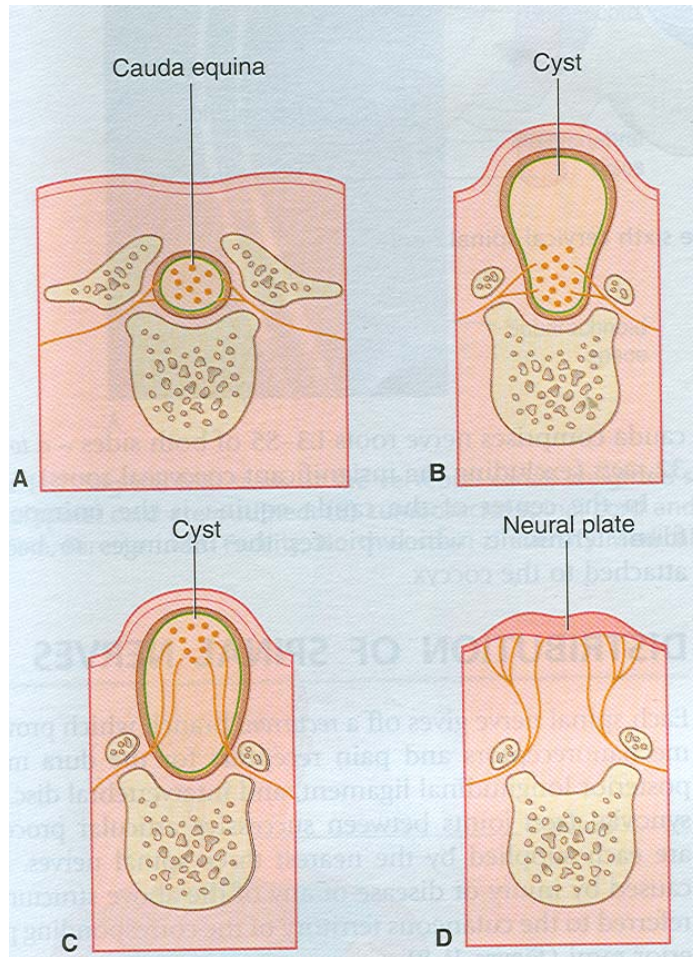
B
Meningocele



C
Meningoencephalocele



D
Meningoencephalocele



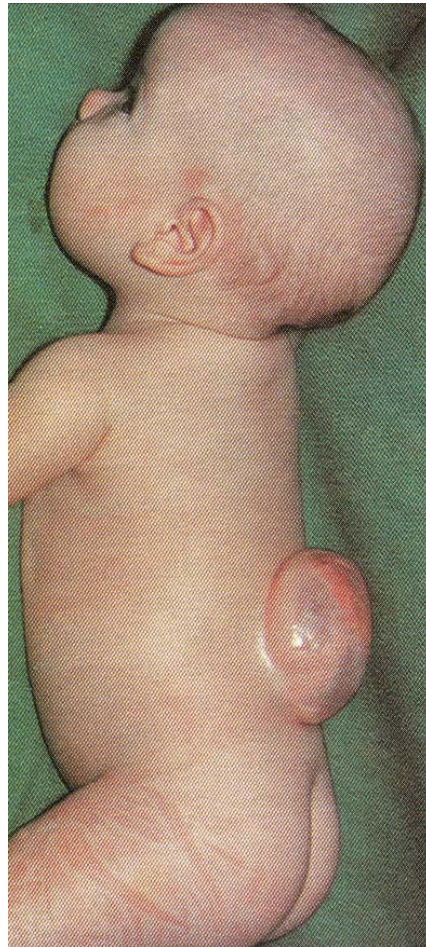
A. Spina bifida; B. Meningocele;
C. Meningomyelocele; D. Myelocele



Spina bifida



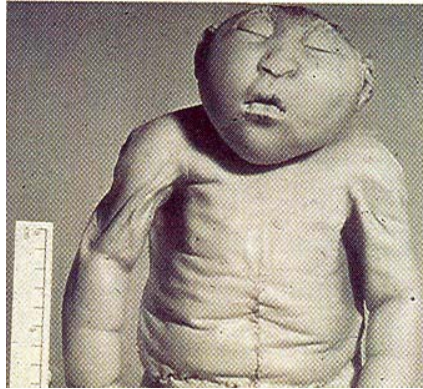
Spina bifida occulta



Spina bifida with
meningomyelocele



Rachischisis with
anencephaly



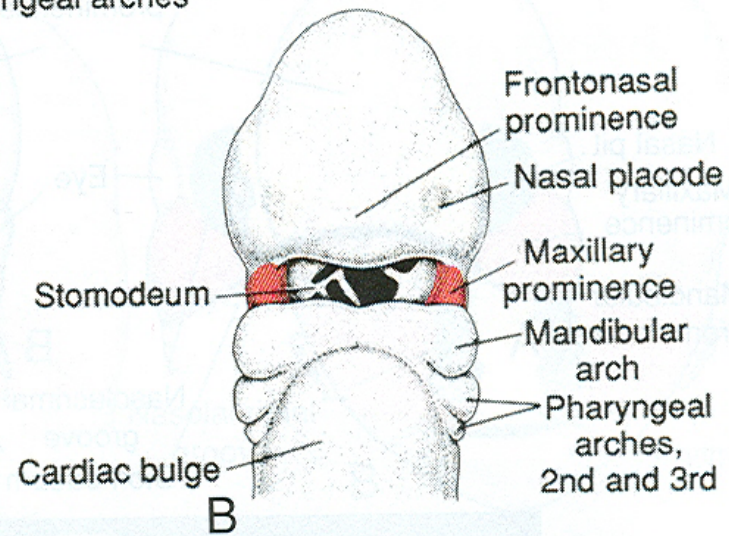
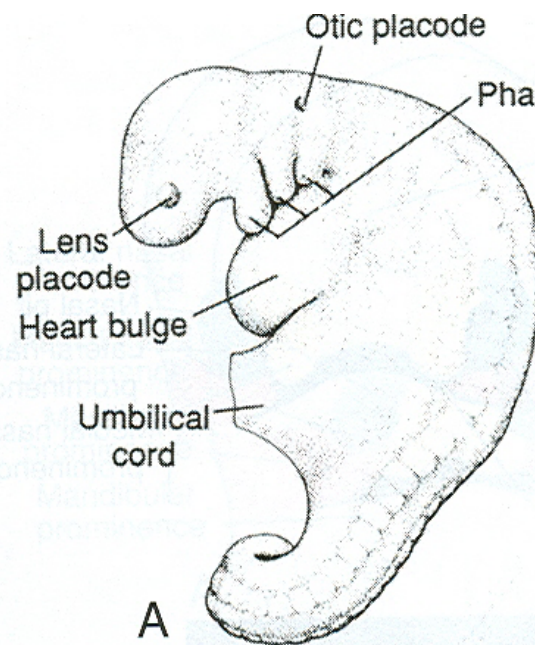
Anencephaly

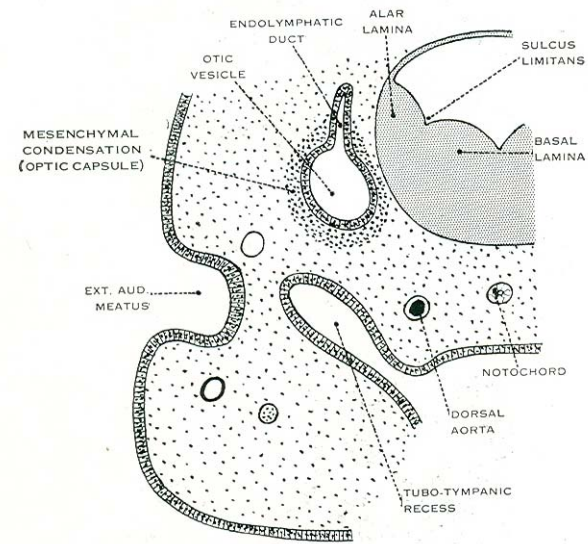
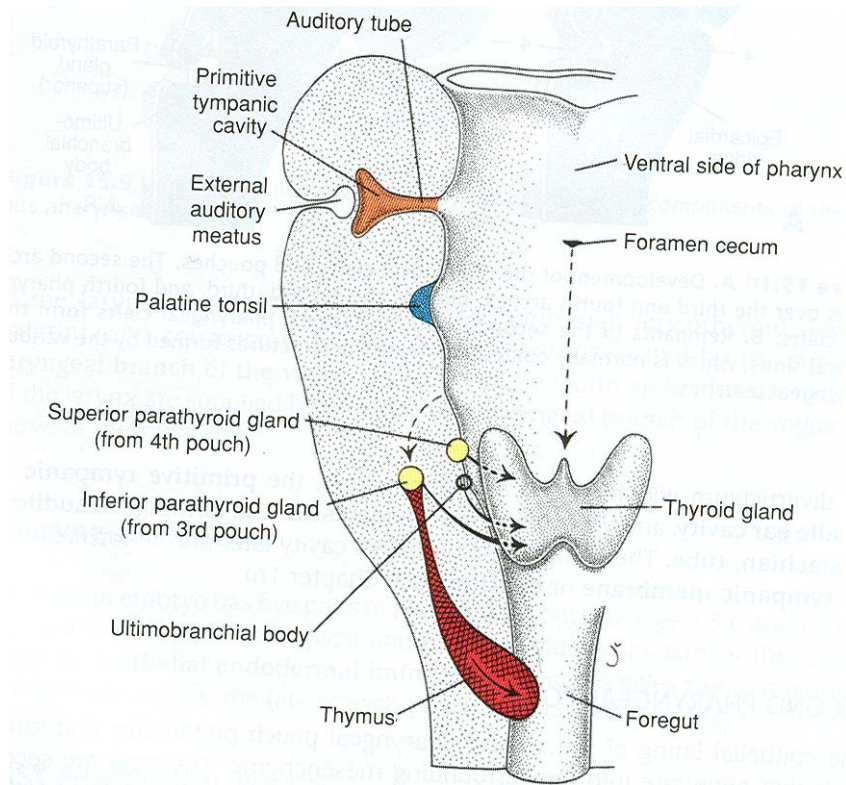


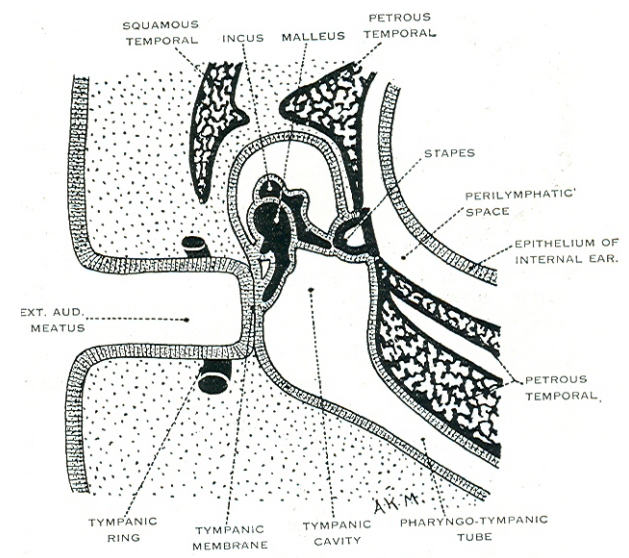
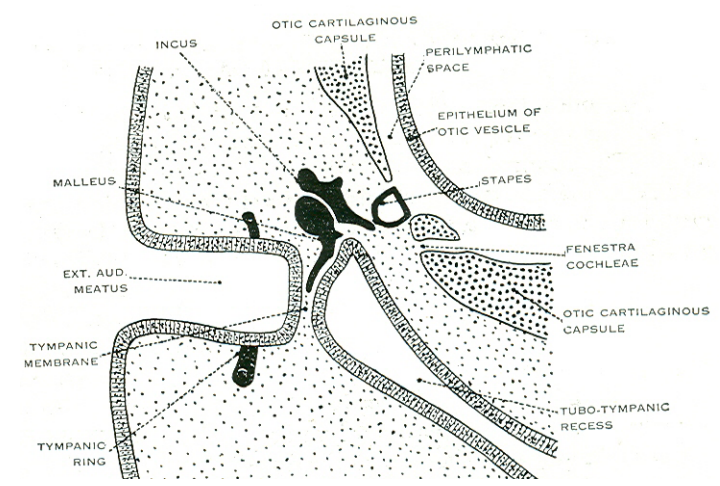
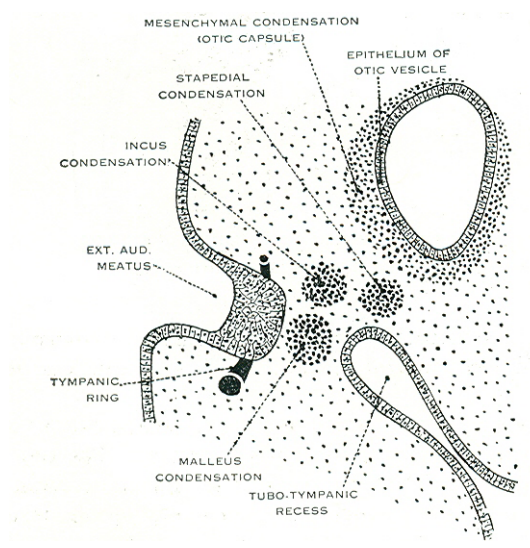
Microcephaly

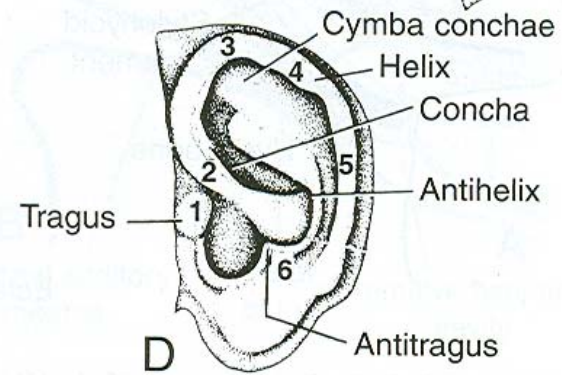
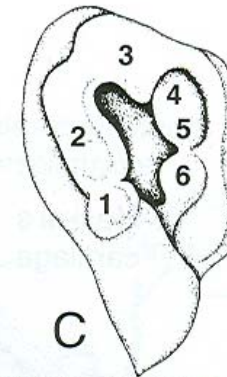
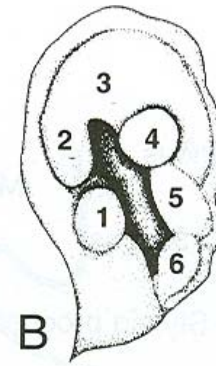
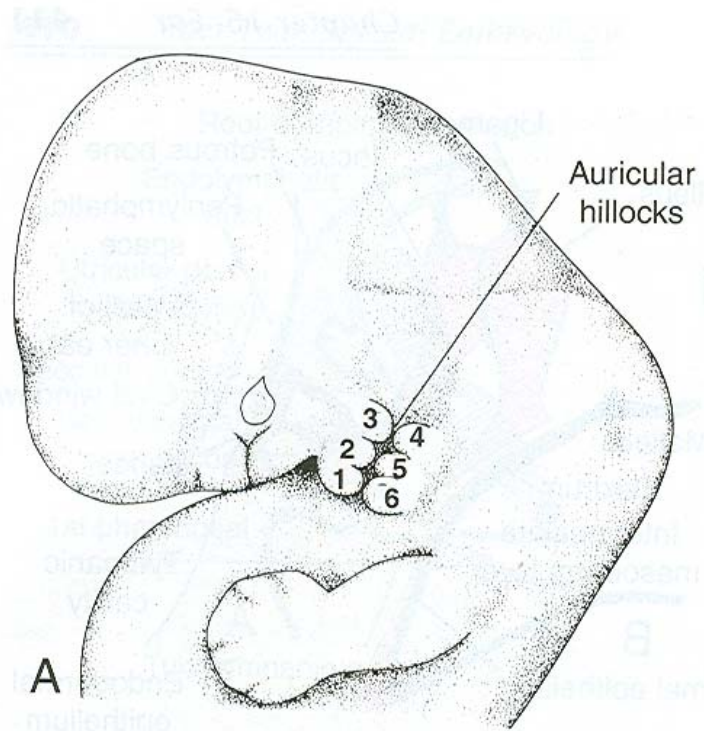


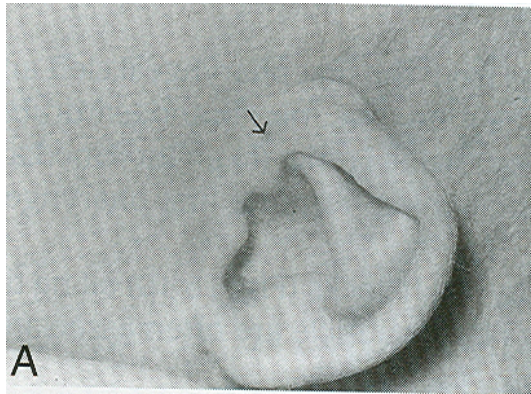
Hydrocephalus



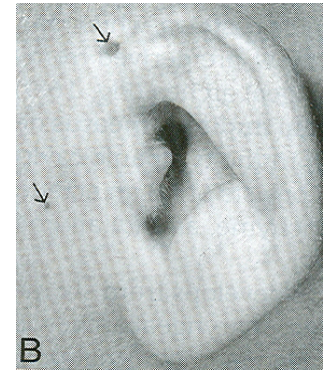








Microtia



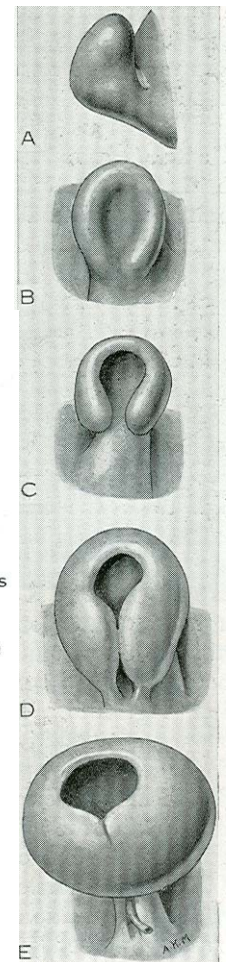
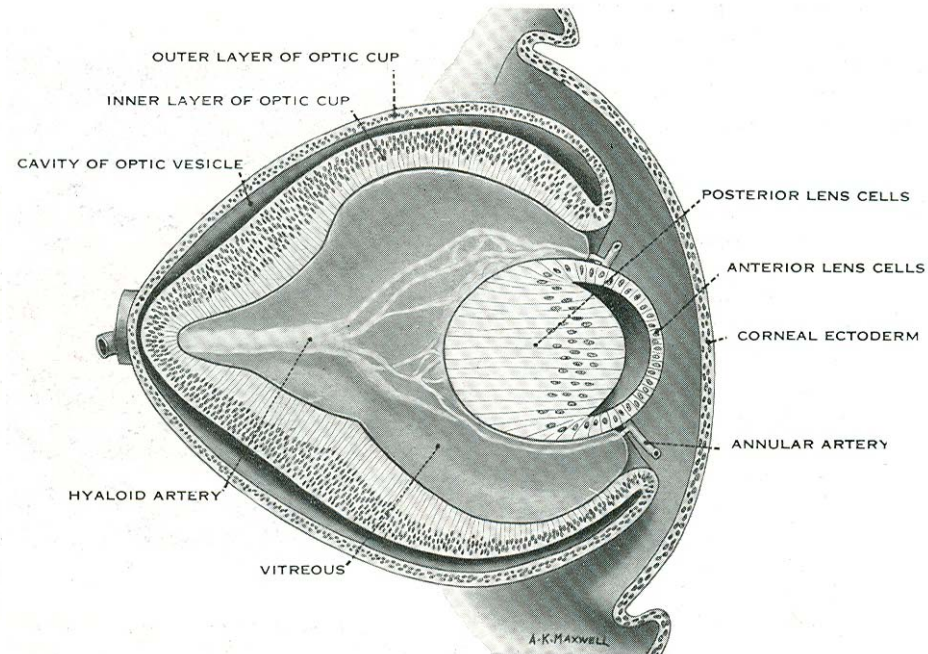
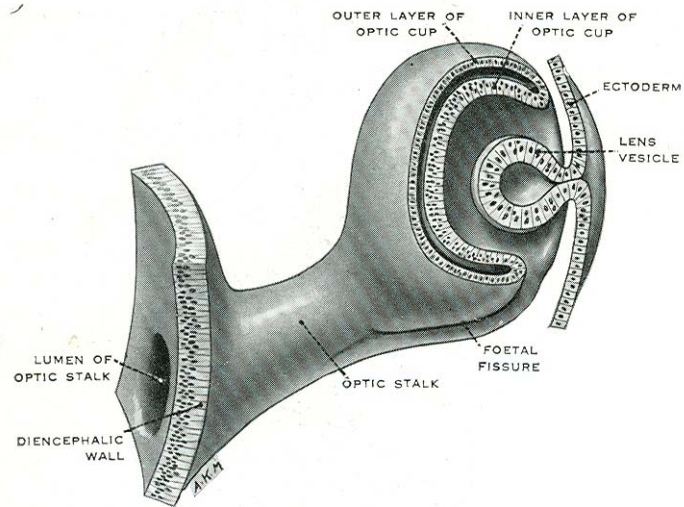
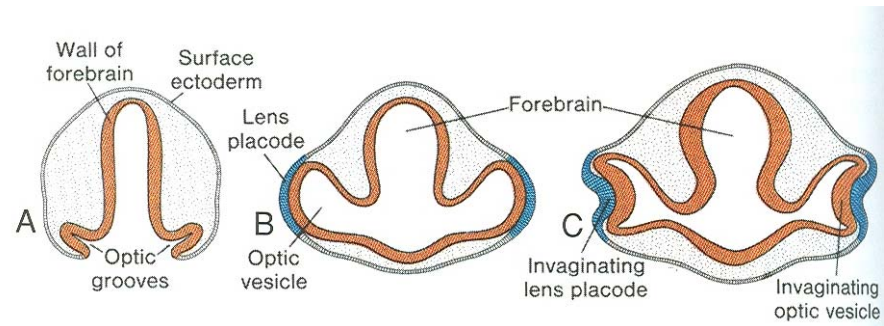
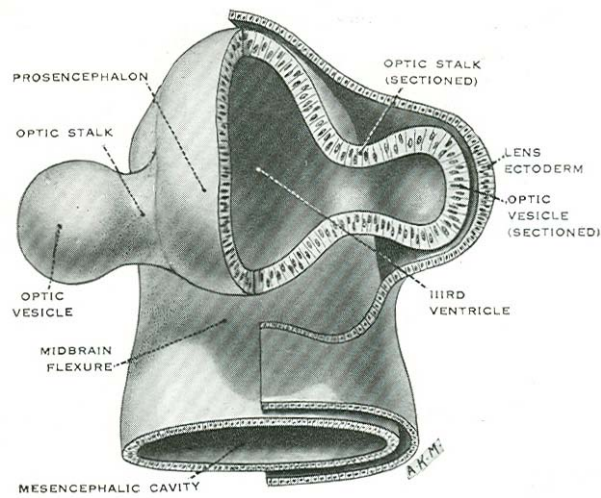
Preauricular sinus

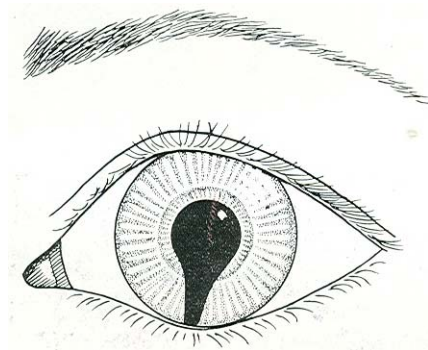
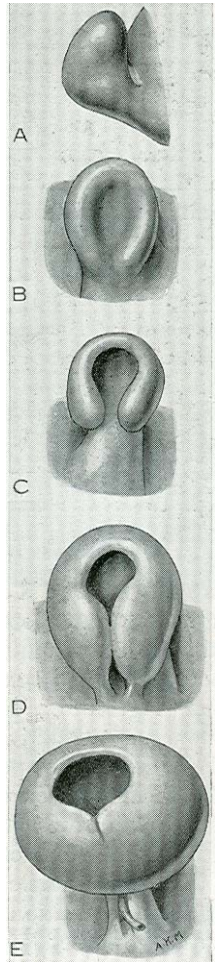


Preauricular skin tags

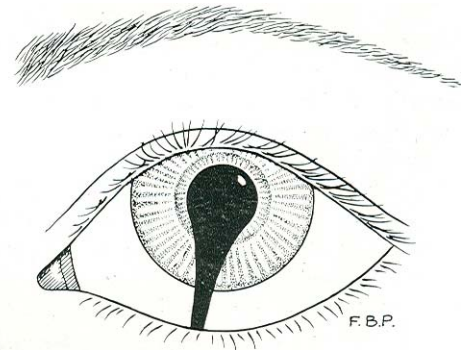
CONGENITAL ANOMALIES OF EAR

- Absent/ incomplete/ abnormal pinna
- Absent/ bifid lobule
- Fusion of auricle with the side of head
- Abnormal lateral protrusion
- Stenosis/ atresia of external auditory meatus

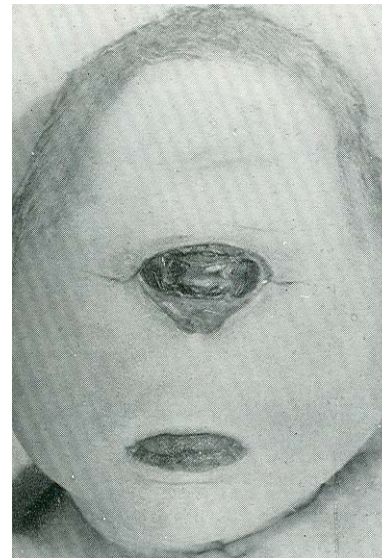




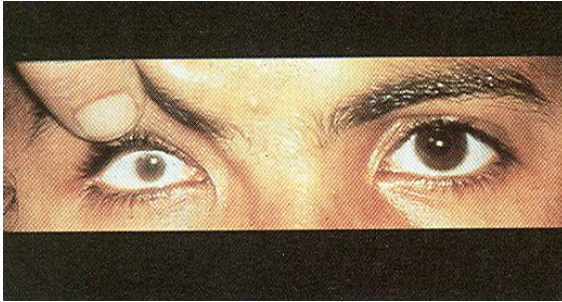
Coloboma of iris



Coloboma of iris and choroid



Cyclops : with and without proboscis



Microphthalmos



Anophthalmos



Epicanthic folds

CONGENITAL ANOMALIES OF EYE

- Anophthalmos
- Microphthalmos
- Cyclopia/ synophthalmos
- Coloboma
- Congenital aphakia
- Congenital cataract
- Epicanthic fold