1-30-01-D-02

The prosencephalon-mesial aspect.

1-30-01-E-02

Legend:
7. Central neural area
8a. Uperprosencephalic
8b. Rhinenprosencephalic
8c. Thalamenprosencephalic
8d. Upoprosencephalic

7

8 a. b. c. d.

d. c. b. a.
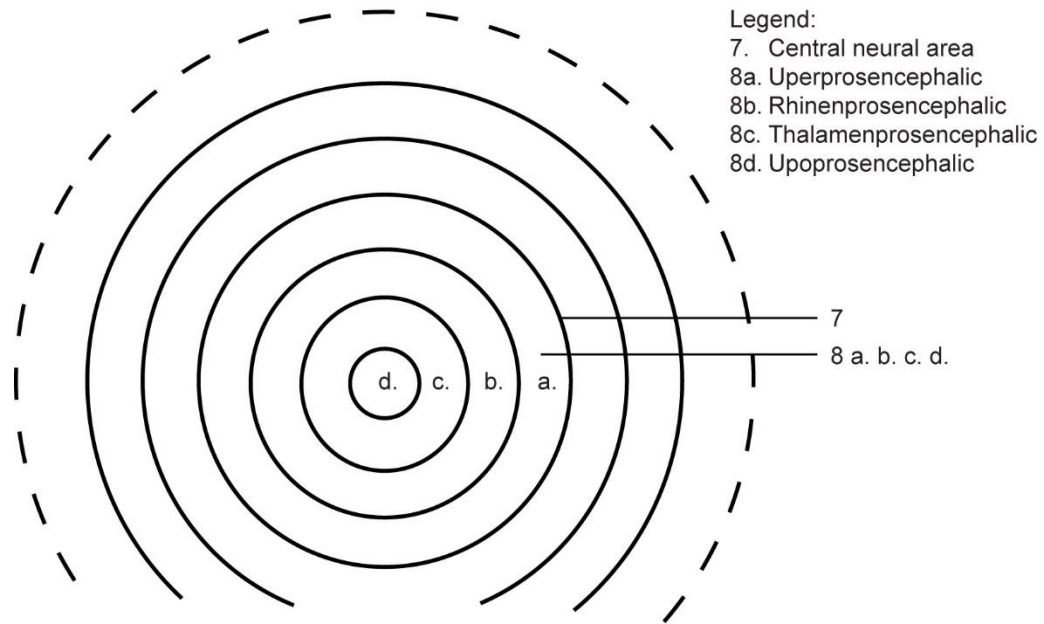
To show further concentric organization of central neural area.

1-30-01-F-01

Legend:
7-8.   Prosencephalic primordium
8a.   Uperprosencephalic zone
8b.   Rhinenprosencephalic zone
8c.   Thalamenprosencephalic zone
8d.   Upoprosencephalic zone
SP   Superior pole
IP   Inferior pole
DL   Dextro lateral
LL   Levulo lateral
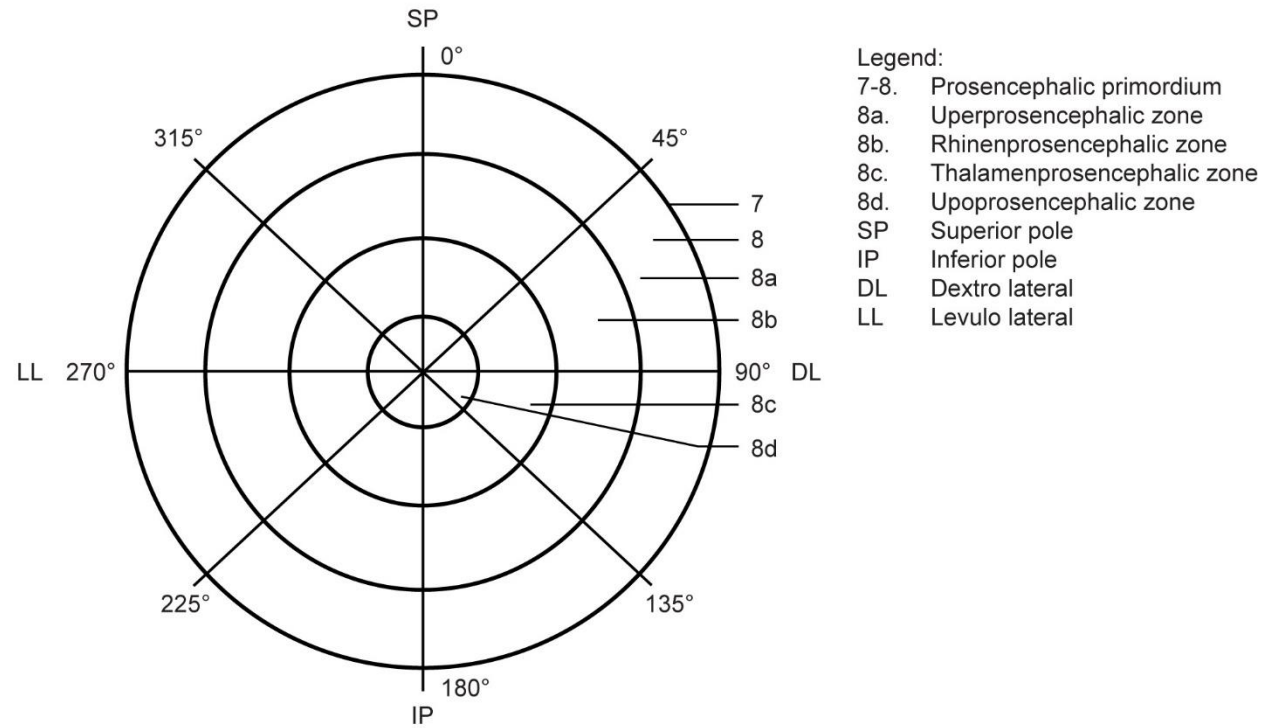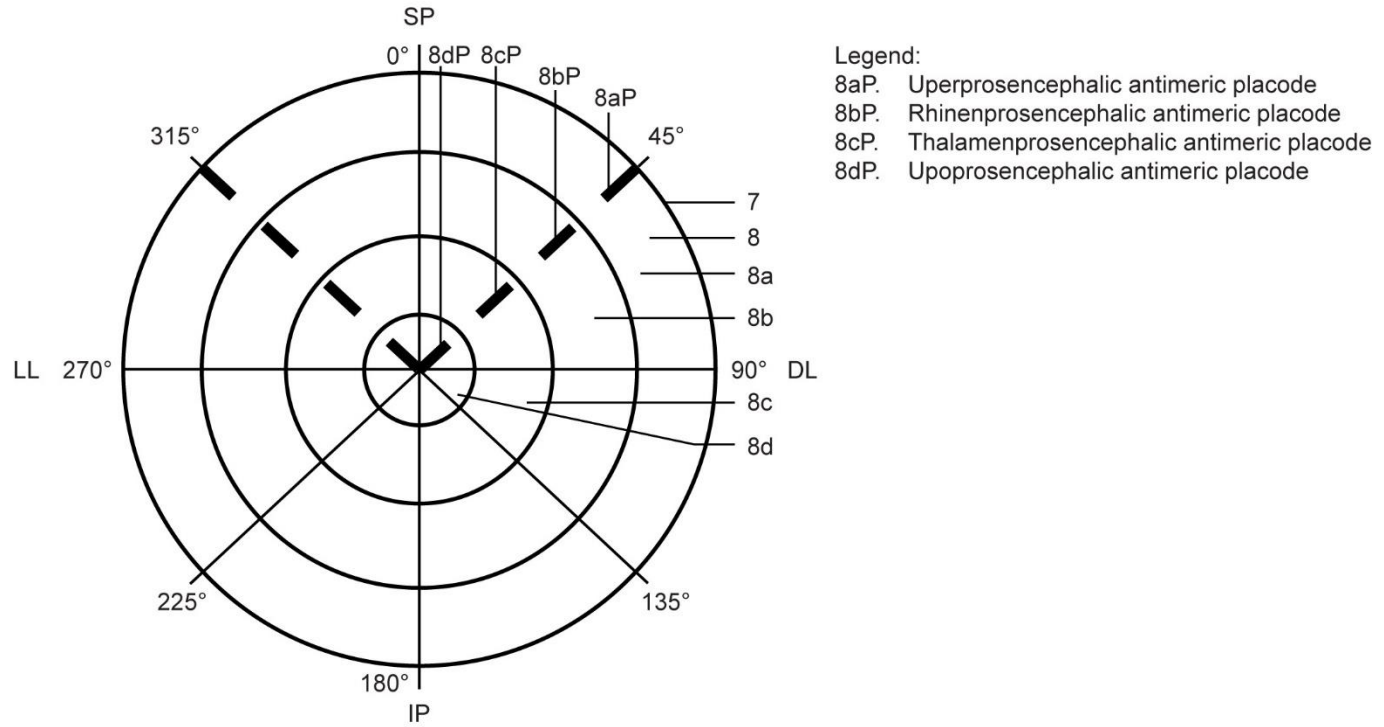
Prosencephalic Primordium
To show concentric and radial organization: Schematic, Diagrammatic, Coronal view, Dorsal surface.

1-30-01-F-03

Legend:
8aP. Uperprosencephalic antimeric placode
8bP. Rhinenprosencephalic antimeric placode
8cP. Thalamenprosencephalic antimeric placode
8dP. Upoprosencephalic antimeric placode

To show placodal specialization of central neural areas along
bilateral radii 45° and 315°, superior hemisphere.

1-30-01-illus 32
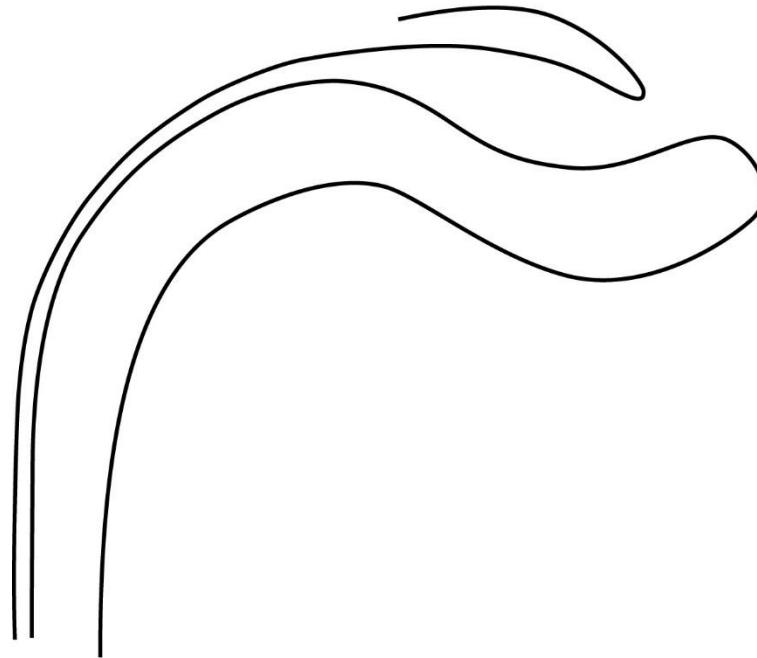
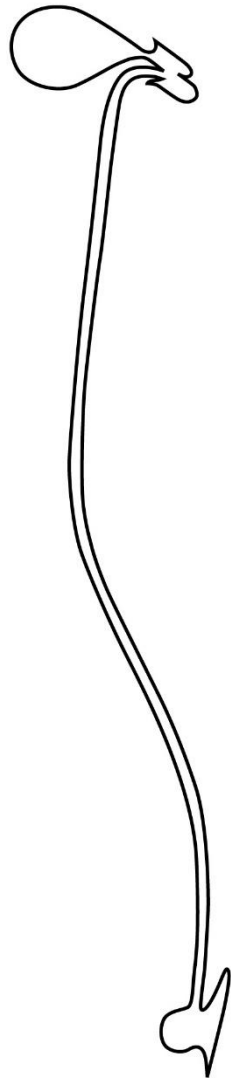Developing human epiphysis cerebri.

1-30-01-illus 34

Mid-sagittal of developing epiphysis cerebri, choroid plexus, cerebrospinal canal, central fiber.
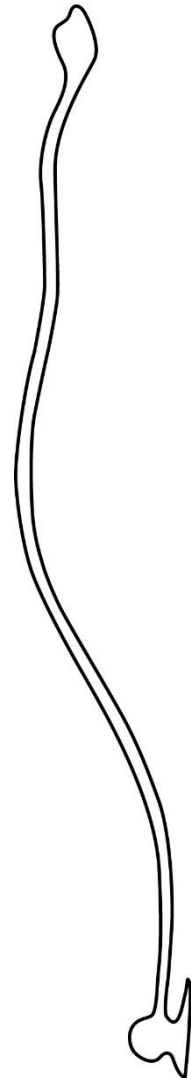
1-30-01-illus 35

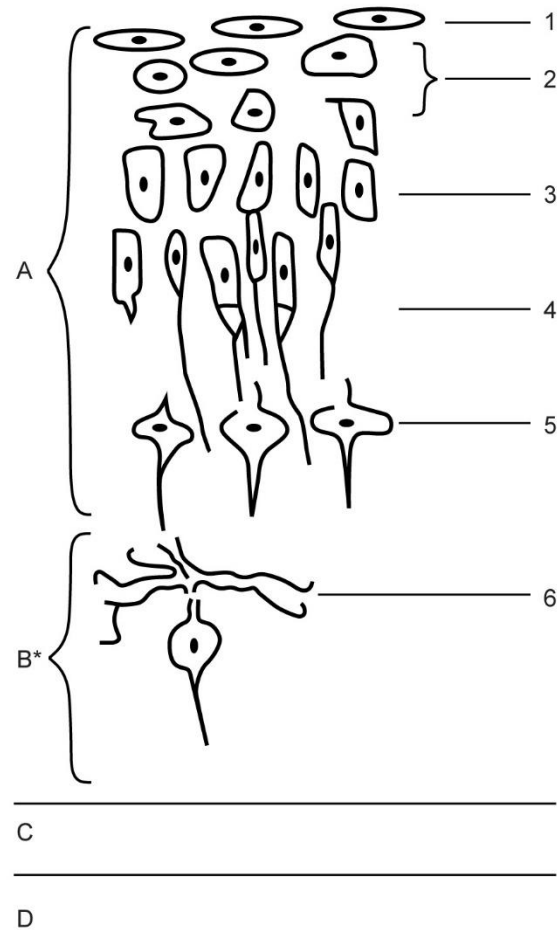1-30-01-illus 36

1-30-01-illus 37

Central Fiber and Epiphysis Cerebri

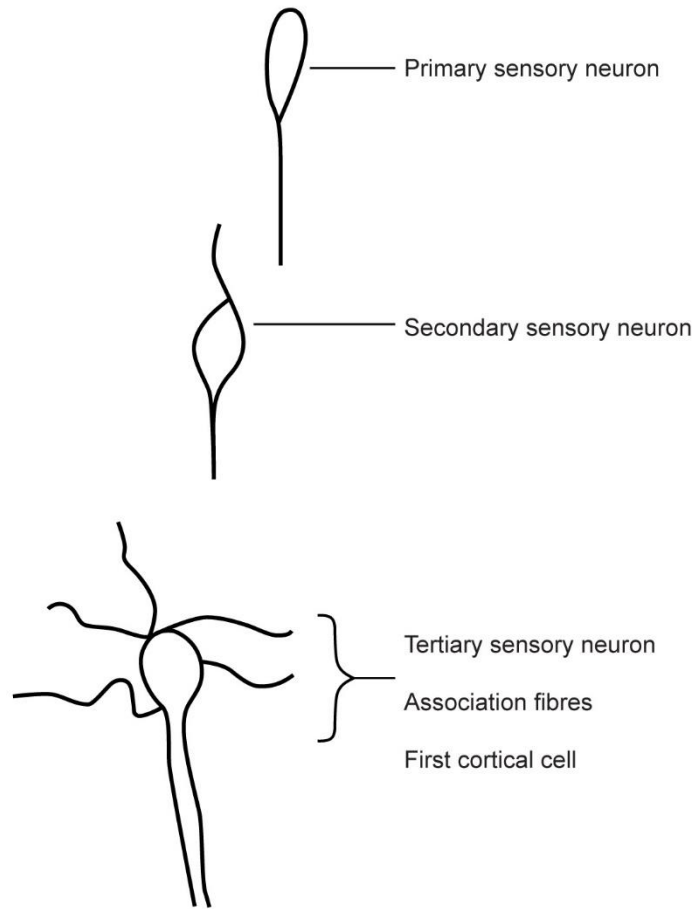Central Fiber and Epiphysis Cerebri

Central Fiber

1-30-02-C-01

Legend:
A. 1. Squamous neuroepithelial
    2. Stratified squamous neuroepithelial
    3. Columnar neuroepithelial
    4. Polarized columnar neuroepithelial with axon
    5. Polarized columnar neuroepithelial cells with axon and dendrite
B.* 6. Ganglion liaison cells with dendrite and axon
C. Sub-cortical prosencephalic cells
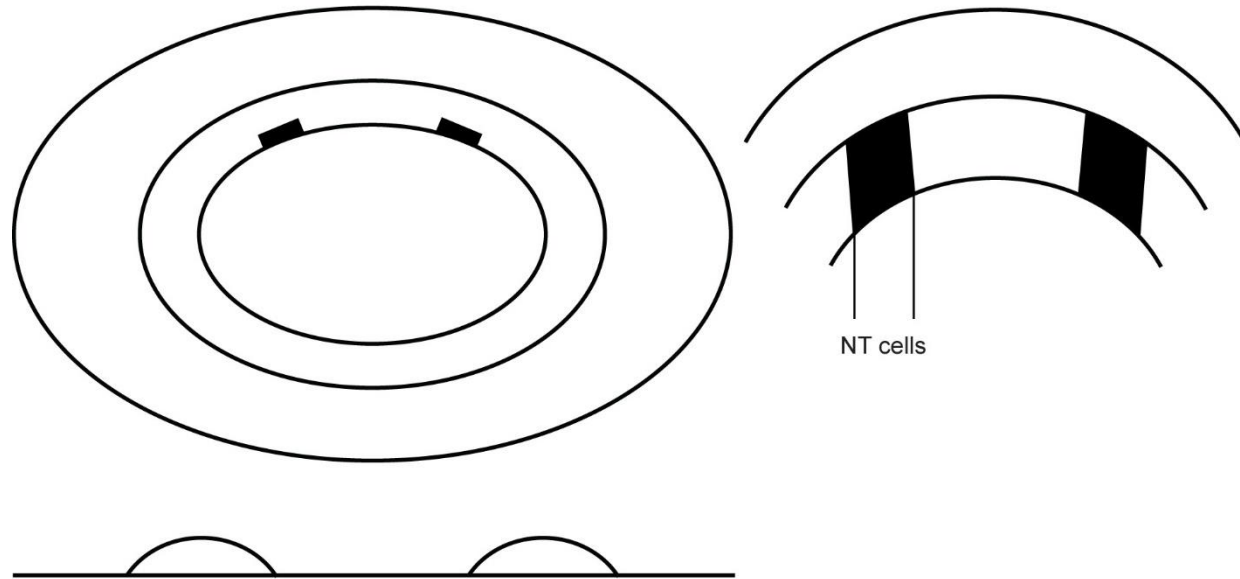D. Cortical cells

Prosencephalic Antimeric End Organs

*Dr. Weaver apparently questioned this part of this Illustration. Note change in diagram of ganglion liaison area in the Illustration (#2) which follows. (Ed.)
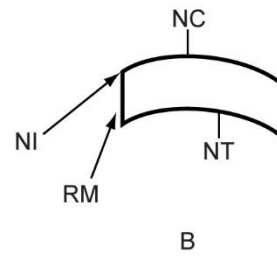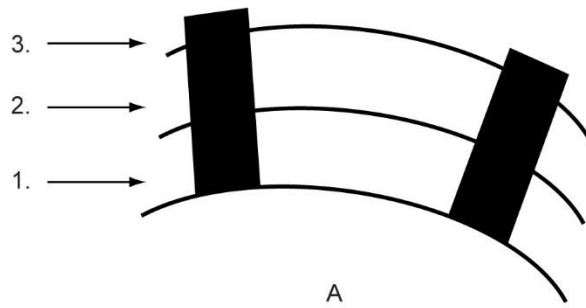
1-30-02-C-02

Primary sensory neuron

Secondary sensory neuron

Tertiary sensory neuron

Association fibres

First cortical cell

Then varying degrees of cortical complexity.

1-30-02-E-01

NT cells

Prosencephalic Antimeric End Organs

1-30-02-E-02

3. →

2. →

1. →

A

NC

NI

RM

NT

B
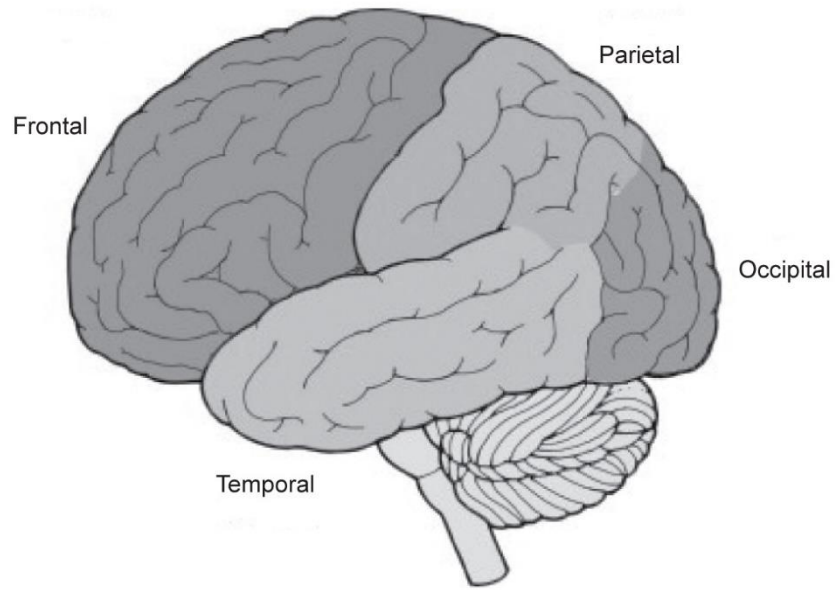
Legend:
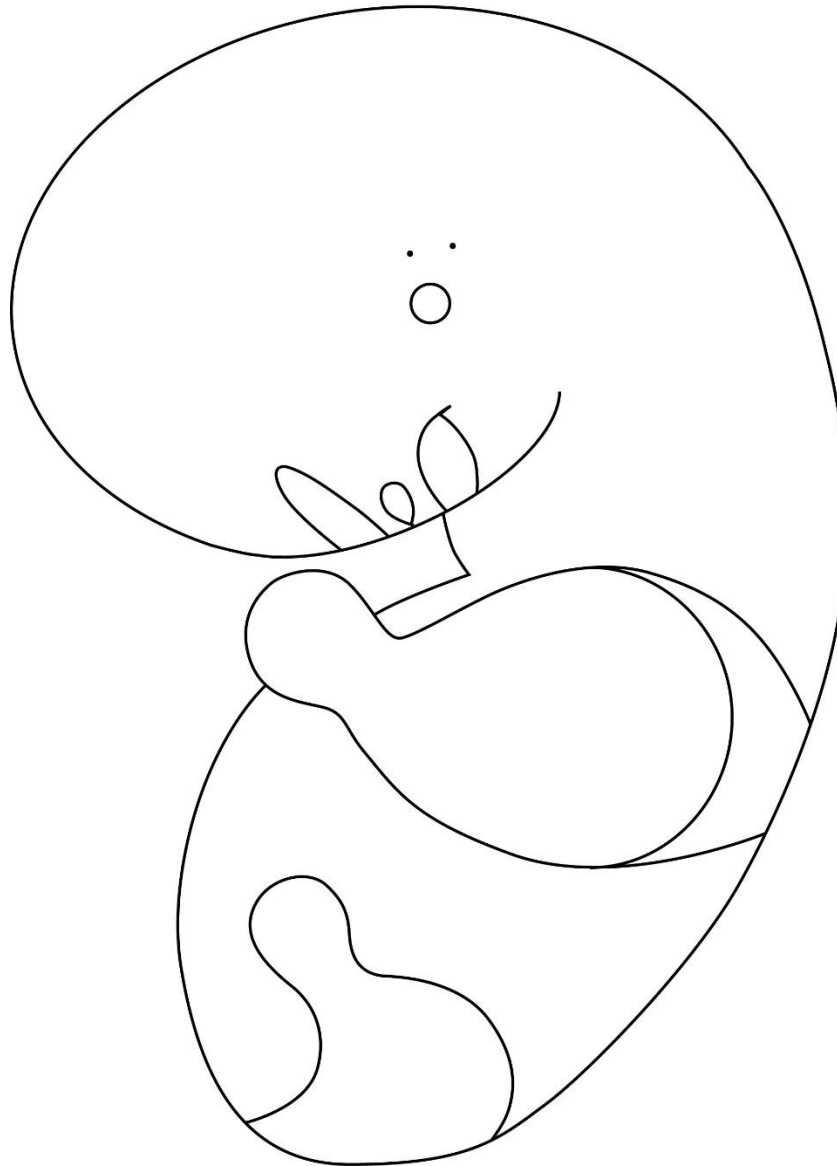A. 1. Neural tube cells
   2. Neural crest cells
   3. Neuro-integumentary cells
B. NT Medullary groove
   NC Neural crest
   NI Neuro-integument
   RM Route of mesodermal invasion

Occurs before the invasion of mesoderm.

1-30-Figure 2-Lobes of the Brain

Geraint Fuller and Mark Manford, *Neurology*, 3rd ed. (Edinburgh: Churchill Livingstone Elsevier, 2010).

1-30-Illustration x

1-30-In Utero