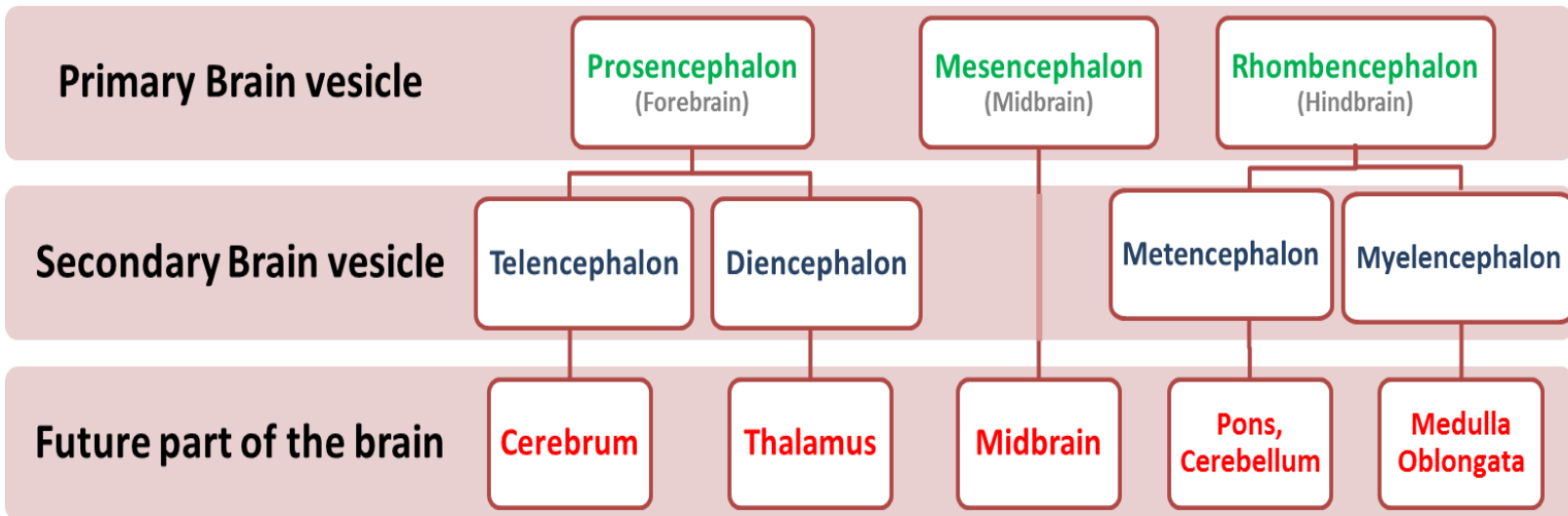


Embryology teamwork

SAQs revision

Lecture 2: development of cerebrum & cerebellum



❖ Brain flexures:

- ✓ Midbrain flexure
- ✓ Cervical Flexure
- ✓ Pontine Flexure

❖ Developing Brain commissures:

- ✓ Lamina terminalis.
- ✓ Optic chiasma.
- ✓ Anterior commissure.
- ✓ Posterior commissure.
- ✓ Hippocampal commissure.
- ✓ Habenular commissure.
- ✓ Corpus callosum.

➤ Congenital Anomalies of The Brain

1. Seizures.
2. Mental retardation
3. Cerebral palsy.
4. Arnold-Chiari malformation.
5. Agenesis of corpus callosum.
6. Cranium bifidum (with or without meningocele & meningoencephalo-cele).
7. Microcephaly
8. Hydrocephalus.

9. Anencephaly:

The brain and skull are minute (very small) and the infant does not usually survive. It is due to failure of closure of the cranial neuropore of the neural tube. The frequency of this case 1:1000.