

# PNS-Embryology

Archive

Lecture 2

Pharyngeal Apparatus II

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# PNS-Embryology

## Lecture 2

1. Tympanic membrane originates from one of the following:

- A. 1st pharyngeal cleft only.
- B. 2nd pharyngeal cleft only.
- C. 1st pharyngeal pouch and 1st pharyngeal cleft.
- D. 2nd pharyngeal pouch and 2nd pharyngeal cleft.
- E. 1st pharyngeal pouch and 2nd pharyngeal cleft.

**Answer: C, 1st pharyngeal pouch and 1st pharyngeal cleft.**

2. One of the following is correctly matched:

- A. 3rd pharyngeal pouch: thymus and superior parathyroid.
- B. 1st pharyngeal pouch: ultimobranchial body.
- C. Ultimobranchial body: parafollicular cells.
- D. 1st pharyngeal cleft: platysma.
- E. 2nd- 4th Pharyngeal clefts: external auditory canal.

**Answer: C, Ultimobranchial body: parafollicular cells.**

3. One of the following sentences is correct regarding internal branchial fistula:

- A. It is a part of Treacher- Collins syndrome.
- B. It makes an opening above the thymus.
- C. It is a part of Pierre- Robin syndrome.
- D. It is due to incomplete growth of 2nd pharyngeal arch.
- E. The membrane between the cleft and the pouch degenerates.

**Answer: E, The membrane between the cleft and the pouch degenerates.**

4. Tympanic cavity is derived from one of the following:

- A. 1st pharyngeal pouch only.
- B. 2nd pharyngeal pouch only.
- C. 1st pharyngeal pouch and 1st pharyngeal cleft.
- D. 2nd pharyngeal pouch and 2nd pharyngeal cleft.
- E. 1st pharyngeal pouch and 2nd pharyngeal cleft.

**A. 1st pharyngeal pouch only.**

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5. All of the following are true, EXCEPT:

- A. Ultimobranchial body is derived from first pharyngeal pouch.
- B. Palatine tonsil is derived from 2nd pharyngeal pouch.
- C. Tubotympanic recess is derived from 1st pharyngeal pouch.
- D. Superior parathyroid is derived from 4th pharyngeal pouch.
- E. Inferior parathyroid is derived from 3rd pharyngeal pouch.

**Answer: A, Ultimobranchial body is derived from first pharyngeal pouch.**

6. The palatine tonsil is derived from: (repeated twice)

- A. The 1st pharyngeal arch.
- B. The 2nd pharyngeal pouch.
- C. The 2nd pharyngeal arch.
- D. The 2nd pharyngeal cleft.
- E. The 3rd pharyngeal pouch.

**Answer: B, The 2nd pharyngeal pouch.**

7. The inner layer of the tympanic membrane is derived from:

- A. The 1st pharyngeal pouch.
- B. The 2nd pharyngeal pouch.
- C. The 2nd pharyngeal arch.
- D. The 2nd pharyngeal cleft.
- E. The 3rd pharyngeal pouch.

**Answer: A, The 1st pharyngeal pouch.**