

PNS-Embryology

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Lecture 1

Pharyngeal Apparatus I

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Lecture 1

1. Hyoid bone originates from one of the following:

- A. 1st pharyngeal arch.
- B. 2nd pharyngeal arch.
- C. 3rd pharyngeal arch.
- D. A+ B
- E. B+ C

Answer: E, B+C.

2. All of the following is true about 2nd pharyngeal arch, EXCEPT:

- A. It gives Richert's cartilage.
- B. It gives lesser horn and upper part of body of hyoid.
- C. It gives occipito frontalis muscle.
- D. It gives stylopharyngeus muscle.
- E. It gives platysma.

Answer: D, It gives stylopharyngeus muscle.

3. All of the following are derived from 1st pharyngeal arch, EXCEPT:

- A. Incus and Malleus.
- B. Sphenomandibular ligament.
- C. Zygomatic bone.
- D. Stapes.
- E. Masseter muscle.

Answer: D, Stapes.

4. One of the following arises from the 1st pharyngeal arch:

- A. Stapedius muscle.
- B. Styloid process.
- C. Cricoid cartilage.
- D. Malleus.
- E. Cricothyroid muscle.

Answer: D, Malleus.

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Lecture 1

5. One of the following arises from the 4th pharyngeal arch:

- A. Stapedius muscle.
- B. Styloid process.
- C. Cricoid cartilage.
- D. Malleolus.
- E. Cricothyroid muscle.

Answer: E, Cricothyroid muscle.

6. The incus of the middle ear arises from:

- A. The 1st pharyngeal arch.
- B. The maxillary process.
- C. The 3rd pharyngeal arch.
- D. The mandibular process.
- E. The 4th pharyngeal arch.

Answer: A, The 1st pharyngeal arch.

Medical card

Surname _____

Date of birth _____

Gender _____

Address _____

Date of call _____

Signature _____



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Lecture 2

Pharyngeal Apparatus II

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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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Lecture 2

5. All of the following are true, EXCEPT:

- A. Ultimo brachial 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, Ultimo brachial 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.