



# GIT-Embryology

## Archive

### Lecture 1

Development of tongue,  
Esophagus, Liver and Biliary  
System

Done by :

Sura Qasem

Corrected by :

Amneh Suliman

# Embryo- lecture (1)

questions:

1) Esophageal stenosis occurs due to :

- A. Posterior displacement of tracheoesophageal septum.
- B. Anterior displacement of tracheoesophageal septum.
- C. Distal displacement of tracheoesophageal septum.
- D. Proximal displacement of tracheoesophageal septum.

Answer: A

2) One of the following is wrong?

- A. the tongue firstly adherent
- B. copula of his derived from 3ed pharyngeal arch
- C. tongue attached to floor by frenulum
- D. tuberculum impar derived from 1st pharyngeal arch

Answer: B

3) Ankyloglossia:

- A. The tongue is adherent
- B. failure of development of the tongue,
- C. small sized tongue
- D. due to failure of fusion of the 2 lingual swellings.

Answer: A

4) Ankyloglossia is:

Answer: the tongue is adherent to the floor of the mouth.

## Embryo- lecture (1)

5) Which of the following is correct regarding the biliary passages?

- A. common bile duct descends in the free margin of the lesser omentum posterior to the portal vein.
- B. the passage of bile to the duodenum is controlled only by one sphincter.
- C. common hepatic duct passes behind the head of pancreas.
- D. common bile duct unites with the pancreatic duct to form the ampulla of vatter.
- E. common bile duct is formed by the union of common hepatic and cystic ducts at right angle.

Answer: D

6) Regarding tracheoesophageal fistula, which is false?

- A. Proximal part of esophagus continues with trachea and distal part ends as blind sac.
- B. Proximal and distal parts of esophagus continue with trachea by single tube.
- C. Proximal part of esophagus ends as a blind sac and distal part continues with the trachea.
- D. Proximal and distal parts of esophagus continue together.
- E. Proximal and distal parts of esophagus continue with trachea separately by double tubes.

## Embryo- lecture (1)

- 7) Which of the following statements about the development of the tongue is incorrect?
- A. Two lateral lingual swellings proliferate and grow medially
  - B. Copula of His develops from ectoderm of the 2nd, 3rd, and 4th pharyngeal arches
  - C. Ankyloglossia means that the tongue is adherent to the floor of the mouth
  - D. Long frenulum can cause suffocation
  - E. Muscles of the tongue are derived from occipital myotomes

**ANSWER: B**

Note: The copula of His develops from mesoderm of the 2nd pharyngeal arch, not ectoderm.

- 8) The rotation of the duodenum during development is:
- A) 90° clockwise
  - B) 180° clockwise
  - C) 270° clockwise
  - D) 90° counterclockwise

**ANSWER: D**