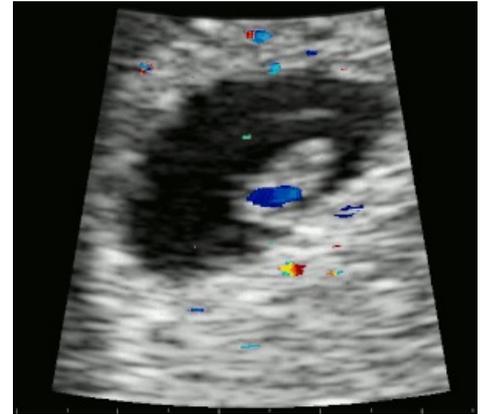


# Histology MCQs/Development of Cardiovascular System

- 1** In which vessel of the fetal circulation takes place **pure arterial blood**?
  - Umbilical vein before connection with portal circulation
  - Truncus pulmonalis
  - Descendent aorta
  - Pulmonal veins
- 2** Majority of blood ejected to the truncus pulmonalis in fetal circulation continues into:
  - Pulmonary circulation
  - Ductus arteriosus
  - Ascendent aorta
  - Left atrium
- 3** **Mesoblastic period** of hematopoiesis is period of production of blood inside:
  - Intraembryonic mesoderm
  - Mesoderm of yolk sack
  - Liver and spleen
  - Bone marrow
- 4** What is an **angiogenesis**?
  - Formation of new vessels independent on other vessels
  - Sprouting of new vessels from older vessels
  - Maturation of the vascular wall
  - Maturation of the arterial wall
- 5** What is a **vaskulogenesis**?
  - Formation of new vessels independent on other vessels
  - Sprouting of new vessels from older vessels
  - Maturation of the vascular wall
  - Maturation of the venous wall
- 6** When are formed blood islands?
  - In the 2<sup>nd</sup> week
  - In the 3<sup>rd</sup> week
  - In the 5<sup>th</sup> week
  - In the 4<sup>th</sup> week
- 7** When the embryonic heart starts to beat?
  - Around 16<sup>th</sup> day
  - Around 21<sup>th</sup> day
  - Around 28<sup>th</sup> day
  - Around 35<sup>th</sup> day
- 8** Where starts development of the heart? (*Where is the cardiogenic area?*)
  - In cranial part of trilaminar germ disk
  - In middle part of trilaminar germ disk
  - In caudal part of trilaminar germ disk
  - In anterior wall of the yolk sack
- 9** Which statement about the **fetal circulation** is true?



Heart beats early. Its action can be recognised using Doppler ultrasound imaging.

- Blood which is rich on oxygen and nutrients flows though the umbilical vein
- In the cranial part of inferior caval vein flows mixed blood
- Ductus arteriosus connects aorta with truncus pulmonalis
- Ductus venosus is later stage of venous sinus

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## Links

- List of all tests: Histology MCQs
- Portal:Histology