

Clinical embryology

1. At what week does the foetal heartbeat become detectable via ultrasound?
 - A. 4th week
 - B. 6th week
 - C. 8th week
 - D. 10th week
2. Which of the following is the precursor to the spinal cord in early embryogenesis?
 - A. Neural crest
 - B. Neural plate
 - C. Neural tube
 - D. Primitive streak
3. What is the term used for the cell division that leads to the formation of the zygote?
 - A. Gametogenesis
 - B. Fertilization
 - C. Cleavage
 - D. Gastrulation
4. In which structure does fertilization normally occur?
 - A. Uterus
 - B. Ovary
 - C. Fallopian tube
 - D. Cervix
5. What is the main role of surfactant produced by foetal lungs during late gestation?
 - A. Prevent infection in the amniotic sac
 - B. Enhance nutrient absorption
 - C. Facilitate lung expansion after birth
 - D. Strengthen the umbilical cord