

Embryonic/Fetal Development, Pregnancy, Childbirth, Lactation

1. Describe the changes in the menstrual cycle which occur with pregnancy. Describe the timing and role of HCG.
2. List and describe the development of the extra-embryonic membranes; describe their functions.
3. Describe the formation and roles of the placenta.
4. Describe the process of fertilization using the following terms: capacitation, acrosome, corona radiata, zona pellucida, barrier membrane, and nuclear fusion.
5. Define and describe the phases of early embryonic development: zygote, cleavage, morula, blastula, gastrula.
6. Describe the process of implantation.
7. Describe the formation of the three germ layers in gastrulation and list the major organ systems to develop from each layer: ectoderm, mesoderm, and endoderm.
8. Describe the process which occurs in weeks 0-8, months 1-2, characterized as embryogenesis. Use the terms organogenesis and morphogenesis in your discussion.
9. Describe the hormonal control of labor.
10. Discuss the three stages of labor.
11. Describe the hormonal control of lactation including milk production and the “suckling “ and “let-down” reflexes.
12. Describe post-birth and lactation effects on the menstrual cycle.