Williams OB Chapter 5: Implantation and Placental Development & Chapter 6: Placental abnormalities

**CREOG Learning Objectives:**

1) Describe embryologic and fetal development including placentation and zygosity of multiple gestations

2) Describe placental drug and nutrient transfer

**Practice Questions:**

1) A 27-year-old G4P2012 woman at 6 weeks gestation develops intermittent right lower quadrant pain, Transvaginal ultrasonography demonstrates an intrauterine pregnancy and right adnexal mass with absent blood flow and a bull’s-eye appearance. An ovarian cystectomy is performed with final pathology revealing a corpus luteum. Which of the following is the most accurate regarding the postoperative management of this patient?

A. A cerclage should be placed at 12 weeks gestation

B. No hormonal supplementation is necessary

C. A patient should receive 2 doses of intramuscular progesterone

D. The patient should receive intramuscular progesterone until 10 weeks of gestation

E. The patient should receive Conjugated estrogen throughout the first trimester

Source: TrueLearn

2) A 28-year old G1 woman presents with pelvic pain and is found to have an enlarged ovarian cyst that is causing torsion at approximately 8 weeks’ gestation. She will need to undergo surgical treatment. She is a nurse practitioner and worried that if the cyst ruptures she will lose the pregnancy. At which gestational ages does the luteo-palcental shift occur?

A. 5-6 weeks

B. 6-7 weeks

C. 7-9 weeks

D. 10-11 weeks

E. 11-12 weeks

Source: TrueLearn

3) A 26-year-old woman, gravida 2, para 1, visits you for prenatal care at 9 weeks of gestation estimated by her last menstrual period. You perform ultrasonography, which demonstrates a twin pregnancy, with a dividing membrane between both fetuses, consistent with menstrual dating. At this gestational age, the most sensitive and specific ultrasonographic sign to diagnose monochorionic pregnancy is

A. number of yolk sacs

B. “T” sign at the membrane insertion

C. fetal sex determination

D. a single placenta

**Other resources:**

1: Uptodate: Gross Examination of the Placenta

<https://www.uptodate.com/contents/gross-examination-of-the-placenta>

Answers:

1) D 2) C 3)