UNIT 2: OBSTETRICS SECTION B: ABNORMAL OBSTETRICS

Educational Topic 16: Spontaneous Abortion

Rationale: Spontaneous abortion is a common and often distressing complication of early pregnancy. An accurate and prompt diagnosis is warranted.

Intended Learning Outcomes:

A student should be able to:

- Develop a differential diagnosis for first trimester vaginal bleeding
- Differentiate the types of spontaneous abortion (missed, complete, incomplete, threatened, septic)
- List the causes of spontaneous abortion
- List the complications of spontaneous abortion
- Discuss treatment options for spontaneous abortion

TEACHING CASE

CASE: A 32 year-old G1 woman presents with a positive urine pregnancy test at 9 weeks 4 days from start of last normal menstrual period. She reports 5 days of moderate painless vaginal bleeding and chills. Physical examination shows a temperature of 101.5° orally, pulse 95, and BP 95/60 with normal bowel sounds, no rebound, and 5/10 suprapubic tenderness. Pelvic exam shows moderate amount of blood in vagina with a closed 5/10 tender cervix and an 8/10 tender uterus. No adnexal masses or tenderness.

Lab data shows a serum β - β -hCG level of 6,500 mIU/ml and ultrasound shows a gestational sac in the uterus with no fetus seen. The ovaries and tubes appear normal.

COMPETENCY-BASED DISCUSSION & KEY TEACHING POINTS:

Competencies addressed:

- Patient Care
- Medical Knowledge

1.	What are the different types of spontaneous abortion?
2.	Which type or types is most likely in this case and why?
3.	Why does this patient have a fever and tenderness and what needs to be done about it?
4.	If this patient was 6 weeks pregnant with no fever or tenderness, had an β -hCG level of 700 mIU/ml and a negative ultrasound with no evidence of a gestational sac, what would be your differential diagnosis if she had a small amount of bleeding and no fever or tenderness?
5.	How would you make the diagnosis in question 4?
6.	For a patient with any type of abortion, what blood test is essential to do?
7.	What are the causes of spontaneous abortion?
8.	What are treatment options for spontaneous abortion?
REFERENCES	
Beckman CRB, et al. Obstetrics and Gynecology. 7th ed. Philadelphia: Lippincott, Williams & Wilkins, 2013.	
Hacker NF, Moore JG, et al. Essentials of Obstetrics and Gynecology. 5th ed. Philadelphia: Saunders, 2010.	

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