

UNIT 2: OBSTETRICS
SECTION B: ABNORMAL OBSTETRICS

Educational Topic 20: Multifetal Gestation

Rationale: Multifetal gestation imparts additional risks and complications to the mother and fetus which requires specialized care.

Intended Learning Outcomes:

A student should be able to:

- List the risk factors for multifetal gestation
- Describe embryology of multifetal gestation
- Describe the unique maternal and fetal physiologic changes associated with multifetal gestation
- Describe the diagnosis and management of multifetal gestation
- Describe the potential maternal and fetal complications associated with multifetal gestation

TEACHING CASE

CASE: You are seeing a 28 year-old G2P1 now at 12 weeks. Her first pregnancy was full term and uncomplicated. At her first trimester screen she was noted to have a dichorionic diamniotic twin gestation with size equal to dates.

COMPETENCY-BASED DISCUSSION & KEY TEACHING POINTS:

Competencies addressed:

- Communication
- Patient Care
- Medical Knowledge
- Systems Based Practice

1. How is the diagnosis of chorionicity and zygosity made?

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.
- Bush MC, Pernoll ML. Multiple Pregnancy: in *Current Diagnosis & Treatment: Obstetrics and Gynecology*, 2007.
- ACOG Practice Bulletin 144, Multiple Gestation: Complicated Twin, Triplet and Higher Order Multifetal Gestation, 2014.
- Chauhan SP, Cardo JA, Hayes E. Twins: prevalence, problems, and preterm births. *Am J Obstet Gynecol*: 203(4): 305-315. 2010.