



Course Description

SON1122C | OG/GYN Sonography 2 | 2.00 credits

An in-depth course designed to cover all aspects of clinical OB/GYN ultrasound studies. Topics include fetal hydrops, genetic disorders, congenital anomalies and gynecological disorders. Subject matter includes: review of normal anatomy (ultrasound appearance), indications for ultrasound studies, clinical presentation and data, pathophysiological basis of disease, ultrasonographic manifestations of disease, recognition of adequate images and scanning pitfalls.

Course Competencies

Competency 1: The student will demonstrate knowledge, comprehension, and application of ultrasound in high risk pregnancy by:

1. Listing the types of multiple gestation and their effect of pregnancy
2. Identifying sonographic findings of premature rupture of the membranes
3. Defining and differentiating preterm labor and cervical incompetence
4. Identifying abnormal findings of cervical length
5. Listing and labelling protocols when there is a finding of oligohydramnios
6. Listing protocols when there is finding of polyhydramnios
7. Differentiating between immune and non-immune hydrops
8. Listing and defining causes of immune and non-immune hydrops
9. Discussing identification and obstetrical management of RH sensitization
10. Discussing fetal therapy
11. Listing ultrasound protocols for each complication presented

Competency 2: The student will demonstrate knowledge, comprehension of ultrasound of multiple gestations by:

1. Listing the types of multiple gestations
2. Listing associated findings with multiple gestation
3. Differentiating between monozygotic and dizygotic twins
4. Defining and identifying chorionicity in ultrasound imaging
5. Listing the risks of multiple gestation
6. Identifying and describing vanishing twin
7. Identifying Twin-to-Twin Transfusion and listing what the sonographer should include in the ultrasound exam
8. Describing protocols for selective reductions
9. Describing invasive procedure performed in multiple gestations
10. Describing the ultrasound management and protocol for multiple gestation
11. Describing and identifying abnormal twin types: conjoined twins and a cardiac twin

Competency 3: The student will knowledge, comprehension, and application of fetal face and neck anomalies by:

1. Describing the basic embryology of the face
2. Evaluating the fetal face for normal and abnormal face
3. Describing abnormalities of the orbits
4. Evaluating for cleft lip and palate
5. Recognizing abnormalities of the face and neck

Learning Outcomes

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data