Y34 Obstetrics-Gynecology – Advanced Ultrasound Practice

Course ID: MED ####
Discipline: Medicine
Prerequisites: MED 810 General Surgery Clerkship, MED 840 OB/GYN Clerkship
Available Sites: Saginaw
Duration: 4 weeks

Description
The purpose of the Advanced Ultrasound Practice for Obstetrics and Gynecology elective rotation is to educate the student regarding the knowledge and skills underlying the use of ultrasound in the recognition and management of common Obstetric and Gynecological diseases. The student will become familiar with ultrasound studies used in ambulatory Obstetrics and Gynecology related to pregnancy, abnormal uterine bleeding and pelvic pain. Students will learn to use these skills to recognize the need for referral to sub-specialists such as Maternal Fetal Medicine or Gynecology Oncology.

Key Objectives
- State indications and usage of ultrasound in Obstetrics
- State indications for and usage of ultrasound in Gynecology
- Discuss the conditions ultrasound can be used to manage and monitor in Obstetrics and Gynecology
- Determine the impact of ultrasound on morbidity and mortality related to pregnancy
- Demonstrate both patient-centered skills and communication that are related to administering patient testing
- Demonstrate understanding of the roles of the interdisciplinary team in the ambulatory setting and its importance related to patient care
- Demonstrate providing patient comfort and meet the needs of the patient during testing
- Develop skills to operate ultrasound equipment in a manner that fosters patient care and comfort
- Develop skills in acquisition of ultrasound studies
- Discuss how ultrasound can impact healthcare costs related to prenatal care
- Discuss how ultrasound can reduce the costs related to gynecological pathology
- Discuss how access to ultrasound in communities, challenged by availability medical resources, can increase women’s healthcare needs without traveling
- Discuss solutions for known identified health care disparities
- Discuss demographic influences on the delivery of quality and effective health care services
- Discuss ways in which a physician could assist in meeting the health care needs of the medically underserved populations
- Discuss the physics of the ultrasound diagnostic methodology
- Learn to effectively and efficiently use ultrasound equipment for basic pelvic and abdominal ultrasound exams
- Discover and demonstrate the ability to use ultrasound as a diagnostic tool to improve patient care practices by reducing cost, saving time and resources.
- Discuss how ultrasound results should be used in the medical system to aid in diagnosis and management of patients
• Discuss when ultrasound results should trigger referral for further diagnosis and management
• Demonstrate the ability to create and convey an accurate report within the medical system
• Demonstrate communication with patients and support persons
• Demonstrate relaying findings of ultrasound scans to interdisciplinary teams involved in patient’s care
• Communicate and collaborate effectively and respectfully with patients, families, physicians, other health care professionals, and colleagues in the medical team environment and across the continuum of care
• Demonstrate skilled listening and responding in communicating with diverse patients, their families or other caregivers, and colleagues
• Identify the complexity of emotions (patient and physician) in the medical interview and communicate empathetically with patients experiencing strong emotions such as sadness, fear, frustration and/or anger
• Demonstrate the ability to elicit a complete medical history within the psychosocial and cultural context of each patient
• See and respect the patient and their families as equal partners with all members of the health care team in the management of their health

Assessment Method
College of Medicine standard elective assessment will be completed by supervising faculty at conclusion of elective clerkship.

Scheduling Information
Interested students should contact CMU College of Medicine Department of Distributed Clinical Education at CMEDDCE@cmich.edu.