

Course Competency

SON 2935L Film Critique

Course Description

An extensive laboratory aimed at teaching the student to recognize quality images, anatomy, patient positioning, pathology, and scanning technique errors as well as artifacts. For each class, the student will present a case from their current rotation of the teaching file. The presentation will include all technical and clinical information as well as the final interpretation by the supervising physician. Prerequisite: SON 2934L. Laboratory fee.

Course Competency	Learning Outcomes
<p>Competency 1:The student will be able to recognize high- and low-quality diagnostic ultrasound studies by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy
<ol style="list-style-type: none"> a. Evaluating clinical cases and discussing critique about scanning techniques. b. Discuss the use of ultrasound machine controls. Discuss special techniques used to attain the images. c. Describe techniques employed to obtain the diagnostic ultrasound study. d. Discuss suggestions to correct or improve technique errors. e. Identify the various ultrasound planes. 	
<p>Competency 2:The student will be able to recognize what is needed to give a full report to the physician reading the study by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy
<ol style="list-style-type: none"> a. Reporting the case to the class and the instructor. b. Describing the patient history, clinical data, labs, and prior surgeries. c. Reporting differential diagnosis and scanning techniques used to support final diagnosis. d. Discussing stat results e. Discussing preliminary reports f. Obtaining, evaluating, and documenting 	

<p>relevant information related to sonographic examination.</p> <ul style="list-style-type: none"> g. Discussing examination findings that require an immediate clinical response and notification to the interpreting physician. h. Discussing changes from a previous examination (when applicable). 	
<p>Competency 3:The student will be able to recognize the sonographic appearance of normal anatomy and pathology diagnosed with diagnostic medical sonography in the following modalities: Adult Echocardiography, Obstetrics and Gynecology, and Abdominal Ultrasound, and extended Abdominal Ultrasound by:</p>	<ul style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Computer / Technology Usage
<ul style="list-style-type: none"> a. Discussing a differential diagnosis for pathology presented. b. Defining the pathology and listing associated findings. c. Describing normal and abnormal findings using medical and sonographic medical terminology. d. Describing the etiology of pathological cases. e. Obtaining, evaluate, document, and communicate relevant information related to sonographic examinations. f. Identifying the clinical signs and symptoms. g. Discussing clinical information and historical facts from the patient and the medical records, which may impact the diagnostic examination. h. Discuss laboratory tests relevant to the diagnosis. i. Listing other imaging and diagnostic procedures used to evaluate the pathology. j. Identifying the gold standard for identifying the pathology. k. Providing an Oral and written summary of sonographic findings. l. Discussing deviation from practice parameters for the sonographic examination as required by patient history or initial findings. m. Listing changes from a previous examination when applicable. n. Discussing Examination findings that require an immediate clinical response and notify the interpreting physician. o. Demonstrating and describing ultrasound images. 	

<p>p. Identifying and demonstrating normal vs. abnormal structures.</p>	
<p>Competency 4: The student will demonstrate knowledge and comprehension of scanning protocols by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy
<ol style="list-style-type: none"> a. Listing protocols for each pathology presentation. b. Describing pitfalls in the diagnosis. c. Describing deviation from practice parameters for the sonographic examination as required by patient history or initial findings (when applicable). 	

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