

University of Arkansas - Fort Smith
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General Syllabus

DMSO 32103 Clinical Practice I

Credit Hours: 3

Lecture Hours:

Laboratory Hours: 15

Prerequisite: DMSO 31002 Clinical Lab Practice

Corequisites: DMSO 32102 Acoustical Physics and Instrumentation II, DMSO 32003 Abdominal Sonography I and DMSO 32203 Vascular Sonography I

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

Application of sonographic scanning procedures in a hospital or clinic setting with independent scanning when competency has been demonstrated. Emphasis will be on the abdominal aorta and vascular system, liver, and gallbladder, and related structures. The interpretation of normal and pathologic sonograms of each area and film critique are critical components.

B. Additional Information - None

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Use a sonographic imaging system to locate and obtain images of the longitudinal and transverse sections of the following organs: pancreas, liver, gallbladder, and abdominal vasculature.
2. Summarize the related imaging, laboratory, and testing procedures as they contribute to the clinical evaluation of anatomy and pathology to include: patient medical history and physical examination, differential diagnosis, diagnostic protocols, and the role of sonography in patient management.
3. Apply standard criteria to critique sonograms.
4. Demonstrate the ability to work cooperatively and effectively as a member of the health care team.

5. Complete the required SCAN® proficiencies as indicated in the clinical handbook.
6. Master all Clinical Practice I objectives.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will use analytical/critical thinking skills to draw conclusions and/or solve problems. Students will think critically to reach viable solutions to a problem and justify those solutions to produce a quality sonographic exam.

Communication Skills (written and oral)

Students will communicate proficiently. Students will effectively communicate orally in a public setting with patients, clinical staff, and physicians.

Ethical Decision Making

Students will model ethical-decision making processes. Students will apply ethical concepts in relation to patient information and display the highest professional behavior in the clinical setting.

III. Major Course Topics

- A. Utilizations of Sonographic Equipment
- B. Sonographic Procedures of the Abdominal Vascular System
- C. Sonographic Procedures of the Liver
- D. Sonographic Procedures of the Gallbladder
- E. Scanning Protocols
- F. Normal Abdominal and Pelvic Anatomy