BAKER COLLEGE
STUDENT LEARNING OUTCOMES

DMS 1310 Sonographic Techniques
3 Semester Credit Hours

Student Learning Outcomes and Enabling Objectives

1. Demonstrate Sonographic normal anatomy through a scanning survey to include
    a. Aorta/IVC imaging and measurements.
    b. Liver imaging and measurements.
    c. GB/CBD imaging and measurements.
    d. Thyroid imaging and measurements.
    e. Pancreas imaging and measurements.
    f. Renal imaging and measurements.
    g. Spleen imaging and measurements.

2. Develop scanning skills to begin a successful career as a Sonographer/Technologists.
    a. Apply physics concepts as it relates to ultrasound system instrumentation.

3. Utilize professional behavior to demonstrate effective verbal and non-verbal communication skills with patient, family, and staff to provide patient care and comfort.
    a. Utilize skills in obtaining a pertinent medical history from a patient.
    b. Examine proper ergonomics while scanning patients.
    c. Build skills to assist the sonographer in completing ultrasound impressions/worksheets

4. Differentiate the various types of ultrasound exams performed and appropriate indications.
    a. Begin to distinguish and classify the exams based on orders received.

Big Ideas and Essential Questions

Big Ideas

- 2D, PW and CW Mode Exam
- Organ Measurements
- Normal and Abnormal Anatomy
- Professional Behavior/Patient Care

- Exam Protocol

Essential Questions

1. How do you properly perform a 2D, PW, and CW-Mode exam when extensive pathology?
2. How do you properly perform measurements on specific organs when there is pathology?
3. What does professional behavior look like in the Diagnostic Medical Sonography field when dealing with a difficult patient?
4. How do you properly document normal and abnormal anatomy?

These SLOs are approved for experiential credit.

Effective: Summer 2023