

DMS A281: DMS CLINICAL EXPERIENCE 5

Item	Value
Curriculum Committee Approval Date	12/06/2023
Top Code	122700 - Diagnostic Medical Sonography
Units	10 Total Units
Hours	540 Total Hours (Lab Hours 540)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Pass/No Pass (B)

Course Description

Advanced clinical experience in the ultrasound department practicing in a variety of Sonographic studies with emphasis on the abdomen and pelvis. Advanced recognition of pathology and scan interpretation. PREREQUISITE: DMS A276 or concurrent enrollment. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Perform all types of ultrasound exams with minimal supervision; differentiate between normal and abnormal Sonographic findings.

Course Objectives

- I Instructional Objectives/Sonography: 1. Students should be able to complete a normal abdominal scan in 45 minutes or less. 2. Students should be able to complete a normal renal scan in 25 minutes or less. 3. Students should be able to perform female pelvic, thyroid and scrotal exams within 30 minutes. 4. Exams should be checked by staff on PACs. Few "retakes" required. Most studies completed with accuracy and few "re-scans" by staff. Students present study to the physician as requested. 5. Students that are being introduced to obstetrics during this rotation should establish goals of 45 minutes for initial exam on a 2nd or 3rd trimester fetus. A 1st trimester fetal ultrasound may only require 30 minutes. These exams will be done with supervision and subject to the policies of the facility where training is occurring. 6. Students are using critical thinking with each patient and clinical scenario. Students are able to make clinical conclusions and differential diagnoses based upon their scanning. They are able to discuss this with a physician if necessary. 7. Students can differentiate between abnormal and normal sonographic findings. Based upon this, the student will ascertain if additional images are required or if a radiologist needs to be consulted. 8. It is expected that students function independently as a "real" sonographer. 9. In addition to the standard exams, students will seize opportunities to learn other types of ultrasound that is available to them such as neonatal hips, ultrasound-guided procedures, neonatal spine and heads, breast imaging, scanning for vessel harvesting, multiple pregnancies such as twins and triplets, prostate exams, vascular exams, renal artery stenosis, trauma patients and organ transplant evaluation.

- II Department Procedures: 1. Processing of an ultrasound exam request with minimal assistance. 2. Professional communication in the department and with other departments with minimal assistance. 3. Perform office procedures, schedule exams as requested and retrieve images from PACS with minimal assistance. 4. Document technical findings and present exam to radiologist as required.
- III Patient Care: 1. Locate patient rooms, departments, special units in the clinic environment. 2. Express and demonstrate concern for patient safety, comfort and modesty. 3. Comply with HIPAA at all times. 4. Check name band and patient chart prior to scanning. 5. Communicate verbally and nonverbally with patients. 6. During the exam, do not ask questions in the presence of the patient or family of the patient. Do not leave the exam room before scan is completed unless asked to do so by staff. 7. Keep your CPR card and evidence of liability at your clinical site.
- IV Attitude and Responsibility: 1. Demonstrate a spirit of cooperation, initiative and willingness to learn while assigned to a variety of learning experiences. 2. Actively listens and follows directions as assigned by the clinical educator, staff sonographers, physicians and other allied health professionals. 3. Accepts criticism and suggestions gracefully and applies suggestions as recommended. 4. Demonstrates knowledge of professional ethics while training. No more than two conferences or one incident.
- V Professional Growth: 1. Demonstrate progressive learning by application of critical thinking and scaffolding of knowledge. 2. Demonstrate aptitude for DMS by progressive learning and expertise in all sections of the semester evaluation. 3. Maintain on a daily/weekly basis, an ongoing record of sonographic exams on the forms provided by clinical manual. 4. Student diminishes the need for constant supervision and instruction. 5. Students do not have to be told "look up" information.
- VI Appearance and Dependability: 1. Accountability is demonstrated by arriving on time and staying through the assigned time. Hours are documented accurately. Follow sick policy of hospital - call in 2 hours before shift. 2. Maintain a neat, clean, well-groomed appearance as defined in the clinical SAHP manual and by the clinical facility policies. Adhere to program dress code of navy blue scrubs. 3. Be aware that strong body odors caused by and not limited to perfume, shampoo, body soap, tobacco use and lack of deodorant may be offensive to the patient. You may be required to alter your personal hygiene for patient comfort. Hospitals are smoke free.
- VII Other: 1. Rotation to other sites based upon need for additional specialty training. 2. Students may not contact other clinical sites or make arrangements through other health professionals for training. 3. A car is necessary for clinical training. 4. Cell phones may not be used when in clinical training. 5. Students may not attend clinical when school is not in session. 6. Students should be aware that hospitals will render patient care and that teaching may be secondary. 7. Clinical site is not based upon proximity to students personal residence. The student may have to travel long distances. 8. If a clinical site dismisses a student for any reason, a new clinical site assignment will not be provided. The student will not be permitted to continue in the program.

Lecture Content

This is the final course in a series of five clinical rotations that will integrate knowledge and skills learned in the DMS program. Emphasis will be placed on critical thinking that is necessary for diagnostic medical sonography. Students will be expected to perform sonographic

procedures on clinical patients and perform normal departmental duties at an assigned affiliated clinical site. Students are expected to function with supervision equivalent to that provided to entry-level staff sonographers. The exposure of clinical patients will vary on location and patient scheduling. Students are to use the instructional objectives for direction on the level of expectations to be attained during this experience. This clinical will require 36 hours per week of clinical practice plus 1 hour per week seminar.

Lab Content

This is the final course in a series of five clinical rotations that will integrate knowledge and skills learned in the DMS program. Emphasis will be placed on critical thinking that is necessary for diagnostic medical sonography. Students will be expected to perform sonographic procedures on clinical patients and perform normal departmental duties at an assigned affiliated clinical site. Students are expected to function with supervision equivalent to that provided to entry-level staff sonographers. The exposure of clinical patients will vary on location and patient scheduling. Students are to use the instructional objectives for direction on the level of expectations to be attained during this experience. This clinical will require 36 hours per week of clinical practice plus 1 hour per week seminar.

Method(s) of Instruction

- Lab (04)
- DE Live Online Lab (04S)
- Work Experience (20)
- Field Experience (90)
- Non-Directed Clinical (NDR)

Instructional Techniques

Observation, hands-on scanning, image evaluation, on-site lectures.

Reading Assignments

It is recommended that students read a minimum of 5 hours per week from the sonography textbook.

Writing Assignments

Weekly, monthly, mid-term, and final evaluation of work and progress by clinical educator and student. The student will contribute 1 hour per week towards the clinical evaluation.

Out-of-class Assignments

Sonographers or allied health staff may give students a topic to investigate and report back information to staff. This may be 2-4 hours of investigation/research.

Demonstration of Critical Thinking

Skill demonstrations, completion of required hours. Performance evaluation including exam proficiency for abdomen. Log of examinations student participated in.

Required Writing, Problem Solving, Skills Demonstration

Weekly, monthly, mid-term, and final evaluation of work and progress by clinical educator.

Eligible Disciplines

Diagnostic medical technology-diagnostic medical sonography, neurodiagnosti...: Any bachelors degree and two years of professional

experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Reber-Bonhall, C.L. McLaughlin, J.D.. DMS Clinical Workbook, ninth ed. Costa Mesa: Orange Coast College, 2018 Rationale: -