

DMS 60C: CRITIQUE & PATHOLOGY III

Foothill College Course Outline of Record

Heading	Value
Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	DMS 60B.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Recognize normal and abnormal anatomical structures.
- List the differential diagnoses that are responsible for sonographic changes.

Description

Interpretation and critique of normal and abnormal anatomy with correlation of didactic, clinical and image information. Written and oral case presentations with emphasis on gynecological and abdominal subjects. Intended for students in the Diagnostic Medical Sonography Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- demonstrate listening, writing, and speaking, communication skills, use of sonographic nomenclature through performance.
- define ethical and professional values related to sonography and medicine and its impact on patient/workers from various cultures, gender, and age populations.
- define the data found on the ultrasound examinations to relate to relevant patient information used for clinical reports.
- define quality assurance methods used.
- prepare and present a case study using the criteria provided to conform to quality case studies.
- define the various techniques and interpersonal skills needed to address patient populations from various background.

Course Content

- Communication characteristics for listening, verbal, and written skills
 - listen to patient's history and write findings using medical nomenclature
 - interview patients and prepare written reports
- Ethical and professional values as pertains to the practice of medicine, including all patients' backgrounds, age and culture
- Assessing and obtaining pertinent clinical information
 - components of the clinical report
 - assessing relevant from non-relevant data
 - artifacts
 - determine useful artifacts from other types of artifacts

- Image quality recognition for interpretation, presentation, and technical quality
 - produce quality studies for the physician to interpret
 - contrast diagnostic quality of examinations from suboptimal studies
- Components of a case review and presentation, including research
 - internet research to develop the case review and presentation
 - internet research for the differential diagnosis
- Applying described techniques to patients from diverse cultural, emotional, and socioeconomic status with sensitivity to their rights and comforts

Lab Content

Not applicable.

Special Facilities and/or Equipment

- VCR/TV, computer, monitor, viewboxes.
- When taught via Foothill Global Access, on-going access to computer with email software and hardware; email address.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Written quizzes
- Case presentations
- Case research
- Comprehensive final exam

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture presentations
- Cooperative learning exercises
- Oral presentations
- Demonstration

Representative Text(s) and Other Materials

Kawamura, D., and T. Nolan. *Abdomen and Superficial Structure*. 4th ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2018.

Stephenson, S., and J. Dmitrieva. *Diagnostic Medical Sonography: Obstetrics and Gynecology*. 4th ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott, 2018.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

A. Read the following position papers:

- Scrotal Sonography: Detection of Scrotal Pathology with Ultrasound
- Acute Abdomen: Evaluation of the Acute Abdomen

3. Breast Sonography: Sonographic Evaluation of the Breast

4. Embryology, Placenta: Embryology, Pathophysiology, and the Placenta

5. Sonographic Evaluation of Ectopic Pregnancies

Discipline(s)

Diagnostic Medical Technology