

DMS 60A: CRITIQUE & PATHOLOGY I

Foothill College Course Outline of Record

Heading	Value
Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	BIOL 40A, 40B and 40C.
Corequisite:	DMS 50A, 50B and 72A.
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 diagnosis that is responsible for sonographic changes.

Description

Interpretation and critique of normal and abnormal anatomy with correlation of didactic, clinical and image information. Emphasis on communication skills via written and oral case presentations and critiques. 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 through performance, including sonographic nomenclature.
- 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, including artifacts.
- prepare and present a patient case study using the criteria provided to conform to quality case studies.
- describe the sonographic features of the topics covered.
- recite the abnormal lab values, clinical symptoms and history for the stated examination.
- demonstrate and select the appropriate image for quality and accuracy.
- recognize abnormal from normal anatomy, including the vasculature and primary pathology.

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
- Communication using profession specific nomenclature

- applying described techniques to patients from diverse cultural, emotional, and socioeconomic status with sensitivity to their rights and comforts
- Image quality recognition for interpretation, presentation, and technical quality
 - assessing and obtaining pertinent clinical information
 - components of the clinical report
 - assessing relevant from non-relevant data
 - produce quality studies for the physician to interpret
 - contrast diagnostic quality of examinations from suboptimal studies
 - artifacts - determine useful artifacts from other types of artifacts
- Components of a case review and presentation, including research
 - internet research to develop the case review and presentation
 - internet research for the differential diagnosis
- Correlates clinical history, symptoms, laboratory finding, image acquisition, quality control, sonographic norms and basic abnormal for:
 - abdominal structures
 - gynecology
 - obstetrics
 - vascular
 - superficial structures

Lab Content

Not applicable.

Special Facilities and/or Equipment

- DVD/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

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

Method(s) of Instruction

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

Representative Text(s) and Other Materials

Curry, R., and B. Tempkin. Sonography Introduction to Normal Structure and Function. 4th ed. Philadelphia, PA: Elsevier Publishing, 2016.

Curry, R., and B. Tempkin. Sonography Introduction to Normal Structure and Function: Workbook. 4th ed. Philadelphia, PA: Elsevier Publishing, 2016.

Netter, F. Atlas of Human Anatomy. 6th ed. Philadelphia, PA: Saunders-Elsevier, 2014.

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

- Written case reports

B. Case presentations

C. Case analysis

Discipline(s)

Diagnostic Medical Technology