

Elective Description

Campus: Southwest (Bismarck)

Department: Radiology

Elective/Experience Title: Diagnostic Radiology

Course Number: RAD 9101-02

Location of Elective: CHI St. Alexius Health – Bismarck, ND

Preceptor(s): Michael Fortney, MD John Holmen, MD Douglas Peterson, MD Luke Roller, MD

Period(s) Offered: All periods

Number of students per period: 1-2

Purpose: To gain education and clinical experience in the practice of general radiology.

Objectives: Following successful completion of this elective, the student will be able to:

1. Review basic concepts and identify all major modalities as well as relevant anatomy in imaging studies.
2. Present a short differential of major pathology found on imaging studies.
3. Manage imaging decision-making in a clinical context.
4. Navigate modern PACS systems and workstations.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Reading of standard text books and primary literature to expand understanding of disease presentation through imaging.
2. Assisting the preceptor with data gathering available in the imaging or clinical records.
3. Limited communication of findings to relevant colleagues.
4. Manipulation of images in a PACS environment.

Criteria for Grading: During and following this elective, the preceptor will:

1. Assess the student's visual awareness of significant pathology on studies via case-to-case reviews of images.
2. Evaluate the communication skills of the student through descriptions of pathologic imaging findings.
3. Discern how well the student might utilize imaging resources as a clinician by discussion of reviewed cases.
4. Assess appropriateness of differential diagnosis based on presented pathology seen during workstation reviews.
5. Utilize the standardized UNDSMHS senior elective form