

RADIOLOGY

Vertical Integrated Curriculum Overview

The radiology curriculum is presented in a longitudinal, or vertical, format beginning in the first and second preclinical years and extending into the third year clinical clerkships. The vertical structure of the radiology curriculum allows flexibility in timing so that the radiology curricular topics correspond to and intersect with topics covered in Structure of the Human Body, Mechanisms of Human Disease, and Patient Centered Medicine courses and the clinical clerkships. In the first and second years, the material is presented primarily as a series of on-line, systems-based modules available for self-study on the school website (LUMEN), supplemented by regularly scheduled occasional face-to-face lectures or workshops. In the third year, the students are presented with on-line weekly radiology case-based modules that correspond with the student's concurrent clinical clerkship. Each student's answer is reviewed by a Radiology faculty member, who provides personalized written feedback.

In the first and second preclinical years, the learning objectives are focused on becoming familiar with the fundamental principles of different imaging modalities and to recognize and understand the appearance of normal anatomy and pathological conditions. The objectives of the third year curriculum are to be able to interpret and provide differential diagnoses for radiological images in a given clinical context, and to gain non-interpretative skills by understanding appropriate imaging work up of common clinical conditions.

The knowledge and skills related to radiology are assessed via written exams (first, second and third year), attendance at hands-on radiology chest x-ray workshop (second year), and completion of case-based radiology modules integrated into individual clerkships (third year).