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ABSTRACT

DEVELOPMENT OF HISTOLOGY TEACHING MODULES. McBride, JM*; Tarabishy, B**. *Cleveland Clinic Lerner College of Medicine, **Case Western Reserve University School of Medicine.

STATEMENT OF THE PROBLEM/QUESTION: During the past decade, there have radical changes in the histology and pathology curriculums of medical schools across the country as the transition has been made from traditional histology laboratory sessions to virtual microscopy.¹ Many schools have, in addition to virtual microscopy, added a host of web-based teaching tools and have reported favorable results with their use.²

OBJECTIVES OF PROJECT/INTERVENTION: 1) To augment the current histology curriculum at the Lerner College of Medicine with a self-study component, 2) To allow students to assess their knowledge of histology, 3) To gauge student feedback concerning the two previous changes to the curriculum.

DESCRIPTION OF THE PROJECT/INTERVENTION: We propose to create a series of annotated images for each of the major histology blocks to supplement the current curriculum at the Lerner College of Medicine. Students will review these images on their own time and then complete a series of self-assessment questions to assess their comprehension. We will pilot early versions of these teaching modules among a group of Cleveland Clinic students during one of their histology seminars. We will then obtain feedback through the use of a questionnaire.

FINDINGS TO DATE/EVALUATION TO DATE: IRB approval for the questionnaire has been obtained. Self-assessment questions are still under development.

KEY LESSONS LEARNED SO FAR: Thought provoking question development is an arduous process.

UNANSWERED QUESTIONS: 1) Do histology self-study teaching modules enhance student comprehension of the material?

¹Bloodgood RA, Ogilvie RW. Trends in histology laboratory teaching in United States medical schools. *Anat Rec B New Anat.* 2006 Sep;289(5):169-75.

²Marchevsky AM, Relan A, Baillie S. Self-instructional "virtual pathology" laboratories using web-based technology enhance medical school teaching of pathology. *Hum Pathol.* 2003 May;34(5):423-9.

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