Volume 20, Number 1, June 2015

iPad Impact in Radiologic Technology

Heather Schmuck, M.S., R.T.(R)

Abstract
Classrooms of higher education must evolve with the changing needs of today's students. Tablet computers hold potential for educational possibilities. This research study examined replacing lecture time in higher education with iPad-based learning activities to facilitate students studying radiation physics. Students were surveyed, interviewed, and observed to gauge perceptions of integrating the iPad technology. Insights from the teaching perspective were also examined. Results indicate student preference for group work and reported motivation levels decreased when using technology in the classroom. However, the majority of students felt the iPad integration increased teaching effectiveness and created a better learning environment.

Creating an Effective Student Learning Environment in the Imaging Sciences: A Theoretical Perspective

Tammy L. Jones, M.P.A., R.T.(R)(M)

Abstract
Effective student learning is the goal of any educational curriculum. In order to facilitate effective student learning, cognitive theories of knowledge acquisition, modes of delivery, and pedagogical frameworks are examined. A literature review of relevant scholarly resources was conducted to provide a foundational knowledge base for the constructs of cognitive theory and pedagogical frameworks discussed. Through this exploration of literature, the theoretical perspective that an application of cognitive theories coupled with pedagogical framework and impactful modes of delivery foster effective learning environments for students in the imaging sciences was concluded.