Active Learning Strategies to Promote Critical Thinking: Thinking about Learning
Tracy Herrmann, MEd, RT(R)

Abstract: Critical thinking and active learning strategies go hand in hand in the development of conceptual and applied knowledge in the medical imaging and radiologic sciences. This session will describe interactive teaching strategies that can be used to involve students in critical thinking in a meaningful way. Tips for creating effective learning experiences and assessments will be provided.

The participant will:
• Identify critical thinking skills and active learning strategies applicable to medical imaging and the radiologic sciences.
• Review and critique methods for providing an interactive learning environment.
• Evaluate potential assessment tools for critical thinking.

Outline:
I. Introduction
II. Student learning outcomes for critical thinking
III. Active learning strategies
   a. Concept mapping
   b. Problem based learning
   c. Case based learning
   d. Reflection
   e. Other Simple strategies
IV. Planning Activities and Assessments
V. Assessment tools
VI. Conclusion