

AbstractID: 2590 Title: Introduction- Goals

Purpose:

To introduce the purpose and topics of the Continuing Education Symposium "Teaching of Physics to Radiology Residents"

Method and Materials:

The Symposium consists of discussions of A) What physics instruction is attempting to accomplish; B) Where we are now in this endeavor. C) How Physics teaching can be improved; D) How can we measure our success and E) to provide a list of resources and aids physics teaching. The discussions will be based on the premise that the purpose of every teaching program is to provide the Radiology resident with a solid physics foundation both to understand and utilize the technology in practice 25 years from now, and to pass the ABR examination. A look at current and previous physics teaching practices and results will put today's discussions in perspective. Like it or not, most residents will take the ABR examination in their first year. There is a fundamental core base of knowledge including signal to noise effects on images, biologic effects of radiation, sources of artifacts which must be included in any physics curriculum. Questions regarding the depth and breadth of the physics curriculum will be reexamined. The use of computer and web based instruction will be discussed.

Results: The results of this symposium are designed to assist current instructors of physics to be aware of changes in the expectations of our customers

Conclusion: There are many challenges and opportunities facing today's physics instructors. The teaching of Radiology Residents may be improved through a review of what is being taught both in breadth and depth of material and the use of web based resources.

Conflict of Interest (only if applicable): N/A