

Study Material for ABR Physics Part I

Part I – General Portion

- *The Physics of Radiation Therapy*, Kahn
- *Introduction to Radiological Physics and Radiation Dosimetry*, Frank Attix
- Imaging and Nuclear Physics
- Review old Raphex Exams
 - Not only will it help you with the subject material, but will also help you become accustomed to sitting for a few hours
- Don't be surprised to see questions on data transmission and image storage
- Finds ways to connect one subject to another while studying

Part I – Clinical Portion

- *Radiobiology for the Radiobiologist*, Hall
- Review diagnostic structures (all imaging modalities)
- *The Essential Physics of Medical Imaging*, Bushberg et al.
- *Radiation Detection and Measurement*, Knoll
- Fetal dose effects and radiation syndrome
- Health Physics

Calculator

- Practice with TI-30XS to familiarize yourself with all of its functions

Develop a System

- Create a schedule of topics to study
- Tailor a program that fits your studying strengths
- Always remember, Part I wants to test your understanding of the principles
- Don't get caught up with minute details

PearsonVue

- Make sure to register for the test as soon as possible
 - most of the testing centers only have a few seats available
- Do not be late to the testing center
 - Leave yourself plenty of time for travel
- PearsonVue gives a practice test
 - Use this in order to become familiar with their testing interface

***REMEMBER: The ABR Part I is the first step in obtaining board certification. They are not trying to trick you. The purpose of this test is to make sure you know the basics.