

Preparing for the Limited License Core Exam in Radiologic Technology

2021

Presented by Ray Winters, M.S., RT(R)(CT)
Emeritus Radiography Program Director at Arkansas State University

Friday Evening:

6:00 - 8:15 **Basic Physics and X-ray Production, X-ray Circuit and Tube Heat Management**
A look at the basic principles of physical science essential to an understanding of x-rays and their use. Includes the basic concepts of matter, energy, and electricity and relates these principles to radiography. Also includes x-ray tube structure, function and heat dissipation, and how these factors affect the primary beam

Saturday Morning and afternoon:

8:00 - 8:40 **Beam Characteristics, Scatter Radiation and its Control**
A look at the basic characteristics of the x-ray beam, as well as scatter radiation production and control.

8:45 – 10:20 **Image Production and Evaluation**
A look at technical factors and their effects on the image

10:20 – 11:20 **Radiobiology & Radiation Protection**
The basics of how radiation effects human and how to protect yourself and the patient.

11:30 - 12:30 **LUNCH on your own**

12:30 - 1:10 **Aspects of Patient Care**
A look at the basic aspects of patient care required of the technologist.

1:15 – 1:45 **Formulating X-ray Techniques**
The basics of kVp, mA and time, plus developing a technique chart.

1:45 - 2:00 **Digital Imaging**
The basics of digital imaging technology as required by the ARRT

2:00 – 2:25 **Mock Limited Exam** (results will be given in class.)

Dates and Place of the Seminar:

April 9 & 10 Pleasant Valley Church of Christ 10900 Rodney Parham Little Rock
(enter through the gym/family center)

Sep 10 & 11 Pleasant Valley Church of Christ 10900 Rodney Parham Little Rock
(enter through the gym/family center)

NOTE: The Saturday portion of the Prep Seminar can be used for the required 6 hours Continuing Education. Simply call and reserve a spot for CE. The Cost for CE is \$90.

Cost: \$300 payable at the door
(Make checks payable to Ray Winters)

Seating for each session is limited and pre-registration is suggested by calling (870) 974-3816 (cell) or (870) 972-1883 (leave message) or email rwinters@astate.edu