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.)

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**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