



## TECHNOLOGIST CERTIFICATION EXAMINATION CDT<sup>®</sup> - INFORMATION SHEET

### **Technologist Certification Examination**

The Certified Densitometry Technologist (CDT<sup>®</sup>) is a professional certification in the field of densitometry offered internationally only. It recognizes technologists who meet specified knowledge requirements measured through a standardized testing process. Successful candidates can use the CDT<sup>®</sup> designation after their names.

**Technologist:** A person who performs **central bone** densitometry, lumbar spine and proximal femur.

The course is not a requirement to take the certification examination.

### **Body of Knowledge**

The ISCD Technologist Body of Knowledge covers the principles and concepts of bone density testing, diagnosis and treatment of osteoporosis and metabolic bone disease. The Content Outline developed covers the knowledge on these topics and is the basis for the certification examination.

### **Content Outline**

- I. Overview of Osteoporosis
- II. Basic Science of Bone Densitometry & Device Operating Principles
- III. X-Ray Science, Radiation Safety & Quality Assurance
- IV. Quality Control
- V. Role of the Technologist
- VI. Role of Anatomy in Bone Densitometry
- VII. Understanding the Results
- VIII. Clinical Management of the Osteoporotic Patient
- IX. Patient Care in the Bone Densitometry Lab
- X. Patient Positioning and Scan Acquisition
- XI. Scan Analysis
- XII. Computers in Bone Densitometry
- XIII. Evaluating DXA Scans

## **References used for the Body of Knowledge:**

- 1) Bonnick, Sydney Lou and Lewis, Lori-Ann, *Bone Densitometry for Technologists*: Second Edition, Humana Press, 2006. ISBN: 1-58829-670-9 EISN: 1-59259-992-3.
- 2) *ISCD Technologist Course Syllabus and Associated Reading Materials*: Version 8.0 The International Society for Clinical Densitometry, 2008.
- 3) *2007 Official Positions of the International Society for Clinical Densitometry*; International Society for Clinical Densitometry, October 2007.

The ISCD Web site has information on how to obtain these products  
**<http://www.iscd.org/Visitors/publications/boneyard.cfm?fromhighlights=2>**

To prepare for the examination it is recommended that you read and review the references.

## **Certification Examination**

- There are 75 multiple choice questions (closed book)
- It is a two hour examination
- Ten of the questions require analysis of scan images
- A calculator is not allowed nor is it required for the examination
- Approximately 75% of the candidates pass the exam the first time
- Cell phones are not permitted in the examination hall
- All examination materials must be returned to the proctor before leaving the room in order for your examination to be marked
- A practice test is available online at  
**<http://www.iscd.org/Visitors/pdfs/PracticeQuestionsTechnologist.pdf>**

## **RECERTIFICATION**

Recertification is required every five (5) years to maintain the CDT<sup>®</sup> credential. To recertify, the technologist must provide official documentation showing 35 Category A CEs or Category 1 CME credits obtained from a minimum of two courses or programs on osteoporosis, bone densitometry or metabolic bone disease. An individual may choose to recertify by retaking the certification exam. For further information on recertification go to **<http://www.iscd.org/Visitors/certification/recertification.cfm>**