



CT Basics – A New Interactive Series from the ASRT

Colorful images and engaging animations explain the basics of CT in an easy-to-follow format. After successful completion of all 10 for-credit modules, participants will receive a diploma from the ASRT recognizing their achievement!

Total Credit Hours: 14.00

List Price: \$280.00

Member Price: \$214.00

CT Basics: Module 1 – Fundamentals (1 CE)

Covers the history and evolution of CT including design elements of the modern CT scanner

CT Basics: Module 2 – Equipment and Instrumentation (1 CE)

Explores the mechanisms of the CT apparatus and explains how the operator can affect the quality of each image.

CT Basics: Module 3 - Data Acquisition (1 CE)

Describes how components of modern CT scanners construct images and how images are affected by selectable scan factors.

CT Basics: Module 4 - Image Processing and Reconstruction (1 CE)

Focuses on the tools and applications needed for viewing, specialized scanning and archiving CT data.

CT Basics: Module 5 - Patient Safety (1 CE)

Demonstrates the methods used to measure patient dose, increase patient safety and reduce occupational exposure in CT.

CT Basics: Module 6 - Image Quality (1 CE)

Illustrates how image quality is a balance between selectable factors and radiation dose to the patient.

CT Basics: Module 7 – Procedures (2 CE)

Explores routine head, neck, chest, abdomen, pelvis, thoracic, lumbar spine and extremity examinations, as well as CT angiography of the chest.

CT Basics: Module 8 - Cross-Sectional Anatomy of the Head and Neck (2 CE)

Provides the necessary tools for understanding anatomy in three dimensions by demonstrating the location, function and appearance of major structures in the head and neck.

CT Basics: Module 9 - Cross-Sectional Anatomy of the Chest, Abdomen and Pelvis (2 CE)

Provides the necessary tools for understanding anatomy in three dimensions by demonstrating the location, function and appearance of major structures in the thorax (chest), abdomen and pelvis.

CT Basics: Module 10 - Additional Applications

Covers advanced CT scanning techniques and the postprocessing applications that can be used to manipulate volumes of data.