Course Description

This three-day post-processing course teaches the fundamentals of Canon Medical Informatics Vitrea Advanced Visualization software.

Each student will utilize their own workstation in a classroom setting with lecture, exam assessments and hands-on training. The course will consist of education covering 2-D imaging including multi-planar reformatting (MPR) and maximum intensity projection (MIP). 3D volumetric studies including cardiac, multi-phase imaging, lung analysis, vessel analysis, brain perfusion, virtual colonoscopy and endovascular stent planning will be reviewed. The student will perform exam specific assessment reviews and have relevant case studies to work with.

Intended Audience

This course is open to all Radiologic Technologists, Cardiologists and Physicians working in a CT or MR discipline. It is ideal for new and experienced users.

Goals and objectives

After completing this course, the participant should be able to:

1. Describe volumetric imaging concepts.
2. Perform orthopedic imaging workflows.
3. Identify and interrogate cardiac, peripheral, and other vascular anatomy.
4. Describe multi-planar reformatting techniques.
5. Discuss basic patient prep for CTA exams.
6. Demonstrate workflow for volumetric imaging and reporting.
7. Demonstrate proficiency of CTA concepts.
8. Discuss image reporting and distribution techniques.
9. Demonstrate patient confidentiality techniques including HIPAA compliance.
10. Perform neurological post processing techniques such as brain perfusion.

Accreditation

The American Society of Radiologic Technologists (ASRT) has approved this 3-Day course for 11.0 CE Credits. CME credits are not associated with this course.

Faculty

The course is taught by Canon Medical Informatics Clinical Application Specialists who are registered technologists.

Schedule

Day 1	
8:30am-8:45am	Welcome and Overview
8:45am-9:00am	Introductions and Power Point
9:00am-9:30am	**Study List Page** --Applications, Results & Study Tabs --Help Page --Choose Study, Application and Series --Launch Study
9:30am-10:30am	**Ortho Part 1** --Basic Tool Function --MPR Imaging Basics
10:30am-10:45am	Break
10:45am-11:30am	**Ortho Part 2** --Segmentation Bone and Hardware --3D and MPR Batch Creation
11:30am-12:00pm	Review and Questions
12:00pm-12:45pm	Lunch
12:45pm-1:45pm	Aorta
1:45pm-2:45pm	Runoff
2:45pm-3:00pm	Break
3:00pm-3:30pm	Calcium Score
3:30pm-4:00pm	Review and Questions
4:00pm	Adjourn

Day 2	
8:30am-8:45am	Assessment Review Day 1
8:45am-9:15am	Circle of Willis
9:15am-10:00am	Carotid
10:00am-10:15am	Break
10:15am-11:15am	EVSP
11:30am-12:00pm	Basic MRA
12:00pm-12:45pm	Lunch
12:45pm-1:45pm	CCTA
1:45pm-2:00pm	Break
2:00pm-2:45pm	Cardiac Functional Analysis
2:45pm-3:30pm	EP Planning
3:30pm-4:00pm	Review and Questions
4:00pm	Adjourn

Day 3

8:30am-8:45pm	Assessment Review Day 1
8:45am-9:30am	Renal/Urogram
9:30am-10:30am	Virtual Colonography
10:30am-10:45am	Break
10:45am-11:30am	Liver Segmentation/Liver Tumor
11:30am-12:00pm	Lung Nodule
12:00pm-12:45pm	Lunch
12:45pm-1:45pm	TAVR
1:45pm-2:00pm	Break
2:00pm-3:00pm	Brain Perfusion
3:00pm-3:45pm	Review and Questions
3:45pm-4:00pm	Assessment of Training
4:00pm	Adjourn