Stanford Computed Tomography

ECG-GATED CARDIOVASCULAR CT – WORKSHOP
Lucas Learning Center, Dept. of Radiology, Stanford University, June 6, 2009

08:00   Introduction   (FLEISCHMANN)

Morning Session:

08:10   Cardiac, Coronary, and Thoracic Vascular Anatomy and Physiology   (YOUNG)

08:30   HANDS ON: 2D, 3D and 4D Visualization of Cardiovascular Anatomy
(ROOS, YOUNG, FLEISCHMANN)

10:00   COFFEE BREAK (30 min)

10:30   Coronary CTA in the Emergency Room: Rationale and Indications
(PETROVITCH)

11:00   Technical Principles of ECG-gated CT and Radiation Dose Reduction.
(FLEISCHMANN)

11:45   Practical Cardiac CT: Beta-Blockers and Nitroglycerine for Coronary CT
(ROOS)

12:00   Practical Cardiac CT:
- Coronary CTA on the GE-VCT Scanner (DAMITS)
- Coronary CTA on the Siemens S64 (BIELER)
- Coronary CTA on the Siemens Dual Source (MOLVIN, ALKHADRA)
- Gated chest on the Siemens AS+ (EARLE, FLEISCHMANN)

13:00   LUNCH BREAK (1h 00min)

Afternoon Session:

14:00   Contrast Medium Administration: Principles for Cardiovascular CT
(FLEISCHMANN)

15:00   Pulmonary Embolism CT: The Role of the Technologist (MARSH, LIN)

15:45   Gated CT of the Chest: Clinical Role in Patients with Marfan's Syndrome
(FLEISCHMANN)

16:30   END

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