

## Chapter DHS 157

### APPENDIX L

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#### Topics to be Covered in the Cross-training of Operators of Pet/Ct Systems

- I. The CT Computer
  - A. Hardware differences between CT and PET
  - B. The data acquisition system
  - C. Software
  - D. Algorithms
  - E. Postprocessing techniques
  - F. Keyboard layout
  - G. Peripheral device orientation
  - H. Image display, manipulation, recording and archiving
  - I. Image quality in CT
  - J. The computed tomography process
  - K. Spiral computed tomography
  - L. CT, applied terminology
  - M. Procedure protocols
  - N. CT exam procedures
  - O. DICOM/PACS
  
- II. Contrast Media Used in CT Procedures
  - A. Contrast media agents
  - B. Adverse reactions
  - C. Emergency response equipment and procedures
  
- III. Image Quality in CT
  - A. Determinants
  - B. Influencing factors
  - C. Measurements
  - D. Quality control procedures
  
- IV. The CT Process
  - A. Data acquisition methods
  - B. The data acquisition system and components
  
- V. Spiral CT Protocols and Procedures (if appropriate)
  
- VI. Radiation Protection in CT
  - A. Dose reduction techniques
  - B. Technique determination
  
- VII. CT Sectional Anatomy

**Note:** Details of the curriculum may be found at the following web site:  
<http://www.asrt.org/educators/asrt-curricula/pet-ct>