

## 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
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