

Chapter DHS 157**APPENDIX L**

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