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

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