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/Media/Pdf/PETCTCurriculumAccepted021704.pdf

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