

Chapter HFS 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>