

Pediatric CT Radiation Safety

1. In developed countries, what percentage of diagnostic radiological procedures are CT examinations?
 - a. 5%
 - b. 10%
 - c. 15%
 - d. 20%
2. At the time the text was written, how many pediatric CT exams were performed?
 - a. 5 million
 - b. 6 million
 - c. 7 million
 - d. 8 million
3. An _____ increase in pediatric CT has occurred over the past 20 – 30 years.
 - a. sevenfold
 - b. eightfold
 - c. ninefold
 - d. tenfold
4. Which of the following is an immediate step to reduce pediatric CT doses?
 - a. Only necessary CT exams are to be performed
 - b. The number of multiple scans with contrast needs to be reduced
 - c. The family needs to be asked about previous procedures
 - d. All the above
5. In children, what is the first line imaging study of the abdomen?
 - a. MRI
 - b. Radiography
 - c. Ultrasound
 - d. CT
6. Ultrasound has to be the examination of choice for children suspected of _____.
 - a. Acute appendicitis
 - b. Bowel perforation
 - c. Kidney stone
 - d. Bladder perforation
7. True or false. It **is not** important to reduce the number of multiple scans with contrast media.
 - a. True
 - b. False
8. Many aspects of the acquisition of a study affect _____ and image quality.
 - a. Radiation dose
 - b. Frame rate
 - c. Picture archive
 - d. None of the above
9. The perception of study quality is also related to the display of the _____.
 - a. Image
 - b. Data
 - c. Pathology
 - d. Structures