RSNA®
Radiological Society of North America

820 Jorie Blvd
Oak Brook, IL 60523
TEL 1-630-571-2670
FAX 1-630-571-7837
RSNA.org

NEWS

RSNA Press Release

New Image Wisely® Radiation Safety Case on CT Brain Perfusion Now Available

Released: April 17, 2014

Reston, Va. (April 15, 2014) — Image Wisely recently launched its third Image Wisely Radiation Safety Case — CT Brain Perfusion Dose Optimization. This is the latest in a series of free, online and mobile-compatible educational offerings, developed with the assistance of the American College of Radiology, that allow radiologists, imaging technologists and medical physicists to assess their understanding of important radiation safety concepts — including dose monitoring and optimization.

"Several years ago, the U.S. Food and Drug Administration investigated a series of unexpected high exposures associated with CT brain perfusion procedures that resulted in skin injuries and hair loss," said Lifeng Yu, PhD, primary author of the new radiation safety case. "In an appropriate clinical setting where CT perfusion exams are justified and scanning techniques are correctly used, it is unlikely that the radiation dose would reach the threshold level for skin burns to occur. This case presents strategies to optimize radiation dose in CT brain perfusion exams."

Six radiation safety cases are presented throughout the year. Case content includes embedded questions that provide expert feedback as well as references and resources for further study. Continuing education credit for radiologists, imaging technologists and medical physicists is available.

"Radiation is an invaluable diagnostic resource, and attention to its appropriate use is paramount to patient safety," said Donald Peck, PhD, director of the Image Wisely Radiation Safety Case series and member of the Image Wisely Executive Committee. "Imaging professionals are encouraged to complete these free radiation safety cases to reinforce their knowledge on these important topics."

The third case, *CT Brain Perfusion Dose Optimization*, offers a total of 0.5 *AMA PRA Category 1 Credits&tm;*; .5 *MPCEC credit* by the Commission on Accreditation of Medical Physics Education Programs, Inc.; and 0.5 *Category A credit* hours of the American Registry of Radiologic Technologists.

Image Wisely is an initiative of the American College of Radiology, the Radiological Society of North America, the American Association of Physicists in Medicine and the American Society of Radiologic Technologists with the objective of lowering the amount of radiation used in medically necessary imaging studies and eliminating unnecessary

Copyright © 2024 Radiological Society of North America (RSNA)

procedures. Image Wisely offers resources and information to radiologists, medical physicists, other imaging practitioners and patients.

For additional information about Image Wisely, visit imagewisely.org.

To speak with an Image Wisely spokesperson, contact Shawn Farley at 703-648-8936 or PR@acr.org.

# # #

Copyright © 2024 Radiological Society of North America (RSNA)