



Dunlee tubes deliver patient dose indistinguishable from OEM tubes

Aurora, Illinois, December 5, 2011, RSNA Booth #4003 – Dunlee is a leading manufacturer of replacement X-ray tubes compatible with CT scanners from most major OEMs. Dunlee tubes are meticulously engineered to be identical in form, fit, and function and are tested to ensure proper operation, optimal image quality and dose rates well within guidelines published by the OEM.

In recent years, with the growing concern about radiation safety, doctors, radiation physicists, biomedical engineers and hospital administrators need to validate patient dose rates. As a leader in the imaging industry for over 65 years, Dunlee set a precedent by sponsoring an independent study to evaluate whether their replacement tubes delivered a comparable dose to the OEM tube.

This extensive study was conducted by Dr. Robert L. Dixon, Ph.D, an independent hospital physicist and president of Radiological Physics Consultants, to measure and evaluate the use of Dunlee tubes on GE CT systems and to determine whether Dunlee CT replacement tubes deliver a dose within the published GE specifications for its own CT scanners equipped with a comparable GE tube. Dose measurements were made on three clinical CT scanners of each type (GE VCT and LightSpeed-16* scanners) with the appropriate Dunlee replacement tubes installed by in-house CT service engineers.

According to Dr. Dixon, “The Dunlee replacement tubes for both the GE VCT scanner and the GE Lightspeed -16 slice scanners were found to deliver a radiation dose which is indistinguishable from that of the GE tube it replaces as specified in the respective GE technical manuals for each scanner model.”

For a copy of the study, go to:

<http://www.dunlee.com/resources/content/2/0/7/4/documents/White%20Paper%20VCT%20%20Lightspeed.pdf>

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