



GE Healthcare

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Dose Check will be arriving soon

Dear GE Healthcare CT Customer,

As part of the Medical Imaging & Technology Alliance's (MITA) Radiation Dose Reduction Plan and CT Dose Check Initiative, GE Healthcare will be installing Dose Check, at no cost, on your new and compatible existing GE CT systems over the coming months. It will also be part of the standard configuration for all new compatible GE CT systems produced worldwide. GE Healthcare plans to release CT Continuum Pack software updates with Dose Check on these scanners throughout 2011 and 2012:

Discovery CT750 HD	Discovery CT590 RT
LightSpeed VCT series	Optima CT580 RT
Optima CT660	Optima CT580 W
BrightSpeed series	Brivo CT315/325
LightSpeed 16 series (select models)	

Dose Check provides alerts and notifications to scanner operators when pre-defined radiation dose levels – as determined and set by you – will be exceeded. Dose Check allows you to set two levels of thresholds: Notification Values and Alert Values.

Notification Values apply to single image series (e.g. a single helical series) while Alert Values apply to a complete exam. Both $CTDI_{vol}$ and/or Dose Length Product values can be set. In addition GE Healthcare allows you to enter an additional alert value based on the patients' age. More details will also be in the Dose Check information and training materials.

When installed by your GE Healthcare Field Service Engineer, the Notification Values will all be set to none (N). We encourage you to immediately establish thresholds appropriate for your practice and enter these into your scanner(s). To help, the American Association of Physicists in Medicine (AAPM) has posted guidelines for setting thresholds on their website (see "Guidelines for the CT Dose Check Standards" at www.AAPM.org) These guidelines provide suggested settings for the Notification Values to be used with the Dose Check feature. Training materials and AAPM guidelines are also available at www.gehealthcare.com/LowerDoseByDesign.

The $CTDI_{vol}$ Alert Value for all exam types is preset to 1,000 mGy as recommended by the U.S. FDA, but you may change this value as appropriate for your practice.

Soon, a GE Healthcare representative will schedule an appointment with your facility's Radiology Department to install the software update and deliver an informational packet and training materials. Please notify your CT staff of Dose Check and prepare them for training utilizing the following materials:

- Updated Operator's Manual
- Computer based training materials: Dose Check Training Tutorial & Video CDs
- Dose Check Quick Guide for console-side reference

GE Healthcare is committed to helping you lower and monitor radiation dose while maintaining high image quality. In addition, GE is also developing a dose recording and reporting system to help you track levels administered over time. Reconstruction technologies like ASiR™ are also available to help you provide excellent low dose care for your patients.

Training in dose lowering techniques is available through GE Healthcare's Doctor to Doctor Low Dose Symposiums, Webinars, and Masters Series courses. TiP Application training is also offered. Please contact your GE Healthcare representative for more information. CE and CME credits are available on most courses. Visit www.gehealthcare.com/LowerDoseByDesign for tuition-free global and local education opportunities.

For decades GE has invested to help radiologists see the body more clearly and tailor imaging exams to the needs of patients of all ages and conditions. With today's advanced technology and safety features like Dose Check, GE Healthcare is helping facilities like yours around the world provide superior diagnostic care and maximum patient care.

Thank you for your time.

Sincerely,



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Not all products globally available. Some Dose Check installments may require additional time per local regulations.