AAPM Dose Check Education Slides

Philips

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Disclaimer

- Screen captures are examples of a common (or latest) software version only and all software versions are not represented

- The information contained herein is current as of the date shown on the title slide

- Modification of the content of these slides is not allowed.

User Access Controls

- ## Access Control for Dose Notifications

  - Add or make changes to the Dose Notification exam card setting in **Exam Card Manager**.

  - To limit access, enable the password feature in **Exam Card Manager.** Once the password feature is enabled, the system requires the password to make any exam card setting changes.

- ## Access Control for Dose Alerts

  - Make changes to Dose Alert settings by selecting **Preferences**, select **Dose Management.**

  - To limit access, choose **Change Password** from the **Dose Alert** settings screen. Once the password is enabled, the system requires the password to make changes.

Configuring Dose Notifications

Dose Notification		
Dose Notification Value CTDIvol:	80	mGy
Dose Notification Value DLP:	None	mGy*cm

Dose Notification value is set in **Exam Card Manager** and is available on all exam cards.

The Dose Notification setting alerts the user when the $CTDI_{vol}$/DLP of a single scan exceeds the threshold.

Philips does not have global setting

Configuring Dose Alerts

Dose Management

Dose Alert

Enter Password	Change Password

Body accumulated upper limit CTDIvol	1000	mGy
Body accumulated upper limit DLP		mGy*cm
Head accumulated upper limit CTDIvol	1000	mGy
Head accumulated upper limit DLP		mGy*cm

Set the Dose Alert value in **Preferences** per region (head or body).
Dose Alert Setting alerts the user when accumulated $CTDI_{vol}$ or DLP of an exam reaches the alert value.

If the Alert Value is exceeded when creating an Exam Card or while planning an exam, a Dose Alert message will display.

Acknowledging Notifications

If the CTDI$_{vol}$ and/or DLP of a scan exceeds the set limit, the user will see this pop-up message. The scan will not start until:

- The user clicks **Confirm and proceed;** this will result in an entry in the Dose Log, or the user clicks **Go back and adjust scan parameters** in order to reduce the CTDI$_{vol}$ and/or DLP below the set limit.
- The user may enter the diagnostic reason for exceeding the notification value, though this step is not requirement.

Note: If the scan parameters are adjusted so the notification values are not exceeded, a Dose Log entry will not be created.

Acknowledging Dose Alerts

If the accumulated CTDI/ DLP Dose Alert setting is exceeded during an exam, the user will see this pop-up message. The scan will not start until:

- the User's name is entered; entering the diagnostic reason is optional.

- Click **Confirm and Proceed** to override the Alert warning, or click **Go back and adjust scan parameters.**

Note: An Optional Password can be enabled in **Preferences.** This password would be required when choosing **Confirm and Proceed**.

If the scan parameters are adjusted so the alert values are not exceeded, a Dose Log entry will not be created.

Turning off Dose Alert Feature

CTDI$_{vol}$ values are included in the factory default settings ; DLP values have not been set .

CTDI$_{vol}$ values have been set at 1000mGy, which is consistent with FDA suggested values, and would deliver approximately half the dose associated with the onset of skin injury.

To Turn off **Dose Alerts**, remove the value from Dose Alert in **Preferences**.

Location of alert/notification log

The **Dose Log Viewer** can be accessed under Home in the **Utilities** tab

- All alert and notification events are kept in the Dose Log for one year.
- The user may export the Dose Log to a removable disk. To export, click on the **Export to…** button in the top left corner of the Dose **Log Viewer**.
- The user may display all alert and notification values set on the scanner via the Dose Log Viewer screen.