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

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**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

<table>
<thead>
<tr>
<th>Dose Notification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose Notification Value CTDI(_{\text{vol}}):</td>
<td>80 mGy</td>
</tr>
<tr>
<td>Dose Notification Value DLP:</td>
<td>None mGy*cm</td>
</tr>
</tbody>
</table>

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\(_{\text{vol}}\)/DLP of a single scan exceeds the threshold.

**Philips does not have global setting**
Configuring Dose Alerts

Set the Dose Alert value in **Preferences** per region (head or body).

Dose Alert Setting alerts the user when accumulated CTDI\textsubscript{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.

<table>
<thead>
<tr>
<th>Dose Alert</th>
<th>Body accumulated upper limit CTDI\textsubscript{vol}</th>
<th>1000 mGy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Body accumulated upper limit DLP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Head accumulated upper limit CTDI\textsubscript{vol}</td>
<td>1000 mGy</td>
</tr>
<tr>
<td></td>
<td>Head accumulated upper limit DLP</td>
<td></td>
</tr>
</tbody>
</table>
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 a requirement.

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