



AAPM Dose Check Education Slides

Siemens Healthcare

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Disclaimer

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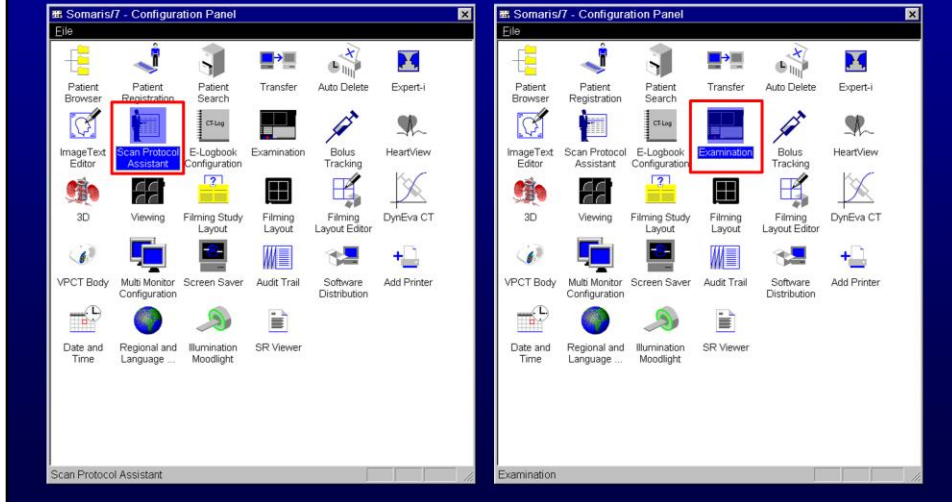
Disclaimer

- 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
- Access Control for Dose Alerts

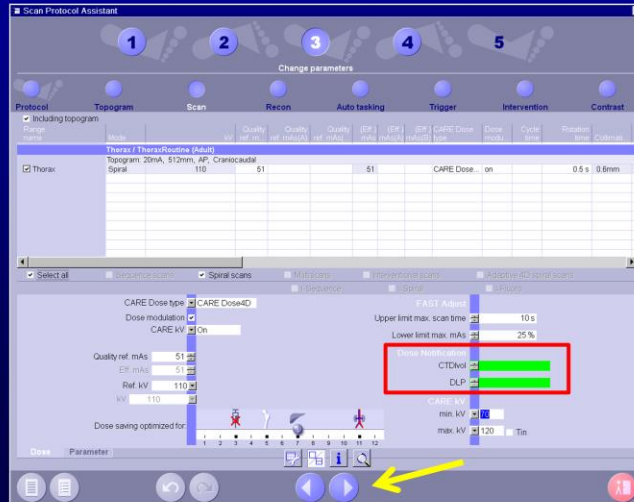


- To Access the **Configuration Panel** – go to **Options + Configuration**
- **Dose Notifications (Protocol Specific)** – select **Scan Protocol Assistant**
- **Dose Alerts (Global)** – select **Examination**



Configuring Dose Notifications

- Protocol Specific Dose Notification

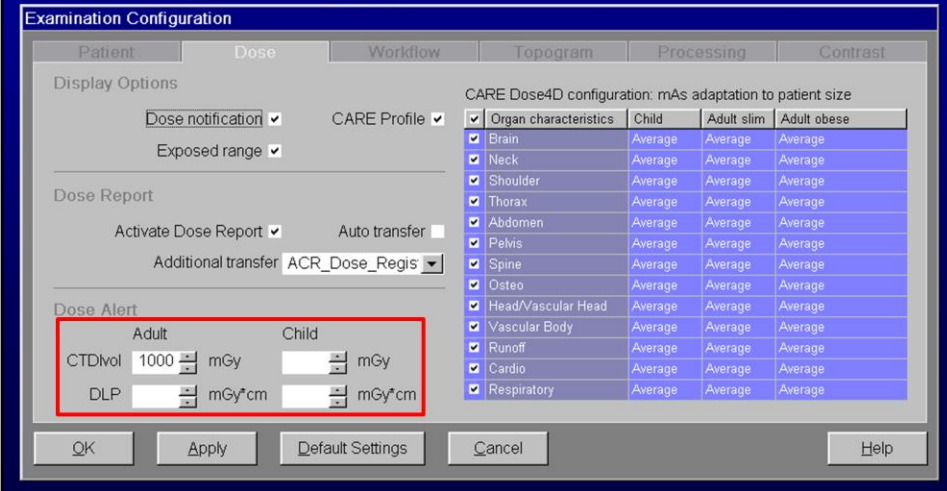


- In **Scan Protocol Assistant** – select desired Protocol
- Advance (using arrows at bottom) to **Change Parameters** Tab
- Limits (max):
 - CTDIvol: 2000 mGy
 - DLP: 99999 mGy*cm



Configuring Dose Alerts

- Dose Alert Threshold Configuration
- Dose Report and Display Options

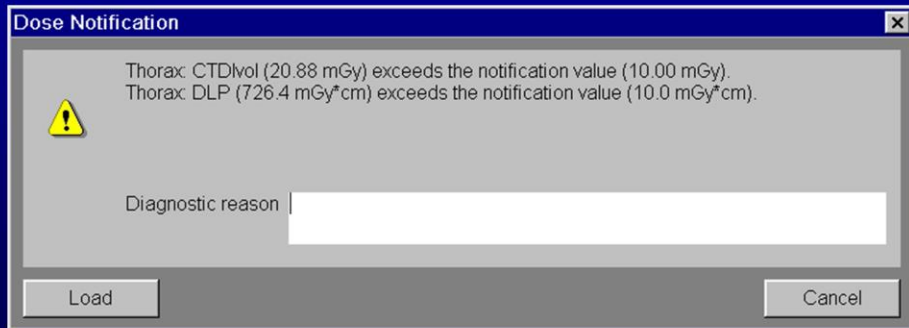


- In **Examination Configuration** – select **Dose** tab to access **Display Options**, **Dose Report** and **Dose Alert** Settings
- Limits (max):
 - CTDIvol: 2000 mGy
 - DLP: 99999 mGy*cm
- *Note: Dose Alert screenshot for an Adult Protocol*



Acknowledging Notifications

- Dose Notification Popup

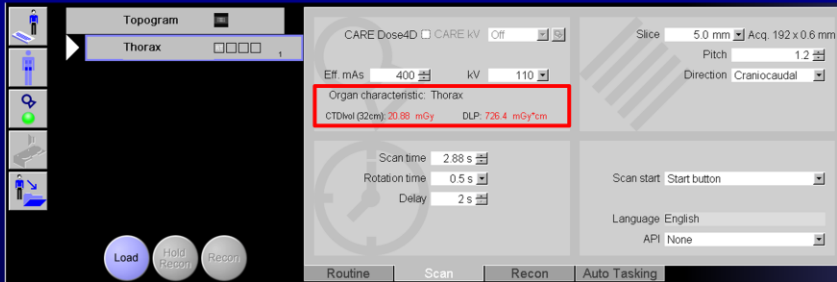


- To advance past popup
 - A **Diagnostic Reason** is optional
 - Alternatively, just click **Load**.



Acknowledging Notifications

- Scan Protocol Dose Notification (highlighted in red)






Acknowledging Dose Alerts

- Dose Alert Popup

Dose Alert

A dose value will be exceeded!

 The accumulated CTDIvol (16.12 mGy) will locally exceed the alert value (10 mGy for Adult). Please reconsider the current examination procedure.

Hint: The currently used scan protocol can not be saved!

User name (mandatory)

Diagnostic reason

Password

- If a scan protocol is loaded that exceeds the recommended dose limits, the software notifies the user accordingly. To use the protocol the customer needs to confirm this with a password. The password is entered here.
- If the password field is left blank, then it will be dimmed in the dose alert window.
- **Username** - Mandatory
- **Diagnostic Reason** - Optional



Turning off Dose Alert Feature

- To **turnoff** Dose Alerts – set values to 0
- To **turnoff** Dose Notifications – **deselect Dose Notification in Display Options**

Examination Configuration

Patient Dose Workflow Topogram Processing Contrast

Display Options

Dose notification CARE Profile

Exposed range

Dose Report

Activate Dose Report Auto transfer

Additional transfer: ACR_Dose_Regis

Dose Alert

Adult Child

CTDvol 1000 mGy mGy

DLP mGy*cm mGy*cm

CARE Dose4D configuration: mAs adaptation to patient size

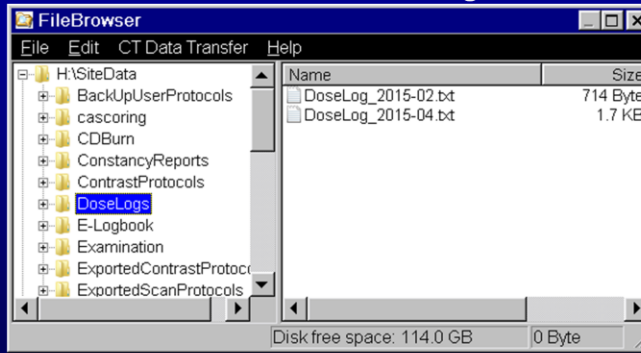
<input checked="" type="checkbox"/> Organ characteristics	Child	Adult slim	Adult obese
<input checked="" type="checkbox"/> Brain	Average	Average	Average
<input checked="" type="checkbox"/> Neck	Average	Average	Average
<input checked="" type="checkbox"/> Shoulder	Average	Average	Average
<input checked="" type="checkbox"/> Thorax	Average	Average	Average
<input checked="" type="checkbox"/> Abdomen	Average	Average	Average
<input checked="" type="checkbox"/> Pelvis	Average	Average	Average
<input checked="" type="checkbox"/> Spine	Average	Average	Average
<input checked="" type="checkbox"/> Datec	Average	Average	Average
<input checked="" type="checkbox"/> Head/Vascular Head	Average	Average	Average
<input checked="" type="checkbox"/> Vascular Body	Average	Average	Average
<input checked="" type="checkbox"/> Runoff	Average	Average	Average
<input checked="" type="checkbox"/> Cardio	Average	Average	Average
<input checked="" type="checkbox"/> Respiratory	Average	Average	Average

OK Apply Default Settings Cancel Help

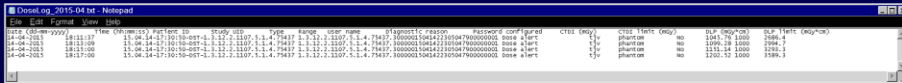


Location of alert/notification log

Path to Dose Alert Log



Example Dose Alert Log



- Access DoseAlert Log – Go to **Options** → **FileBrowser** → **H:\SiteData\DoseLogs**
- Log is a **.txt** file