

AAPM Dose Check Education Slides

Neusoft Medical Systems USA

Last updated: 05/28/15



Disclaimer

The individuals involved in the production of this document along with the AAPM, ACR, ASRT, MITA, the FDA and the Image Gently Alliance and the Image Wisely Alliance do not endorse any of the specific products mentioned in these slides. Any screenshots of particular products are included for instructional purposes only.



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
- Changes to GLOBAL
 NOTIFICATION LEVELS can
 be made in System Settings-->
 Scan Miscellaneous Settings-->
 Dose Setting-->Max CTDIvol
 per series --> Max DLP per
 series(mGy*cm)
- Access Control for Dose Alerts
- Changes to GLOBAL ALERT LEVELS can be made in System Settings--> Scan Miscellaneous Settings--> Dose Setting --> Max CTDIvol per study--> Max DLP per study (mGy*cm)



Configuring Dose Notifications-NeuViz 16



- Dose Notification Limits are set in Protocol Edit, per protocol.
- CTDIvol per series and DLP per series can be set.

Note: Only users with Admin privileges can set the Dose Limits



Configuring Dose Notifications-NeuViz 16



Dose Check Tab

- This section displays all dose related values.
- If a value is red, the operator has exceeded a set limit



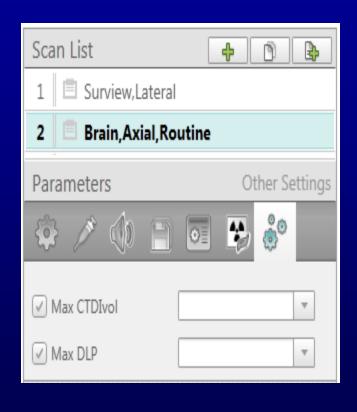
Configuring Dose Notifications NeuViz 64

Dose Setting	
Max CTDIvol per study (mGy)	
Max DLP per study (mGy-cm)	
Max DLP per series (mGy-cm)	
Use the value from setting only	
Max CTDIvol per series (mGy) Use the value from setting only	
Cose the value from setting only	

 After checking "Use the value from setting only", enter values in Max
 CTDIvol per series (mGy) and/or Max DLP per series (mGy*cm)



Configuring Dose Notifications per Protocol NeuVis 64



Protocol Settings

After checking Max CTDIvol and/or Max DLP, enter desired values in dropdown.



Configuring Dose Alerts- NeuViz 16

Neusoft	Review Filming Report	Service Help
System Setting		
Voice Manager Auto-delete settings Data Source CCT monitor setting Image information setting IP Manager Annotation Patient Registration Settings PID Generator Study ID Generator Print Scanner Option	Dose Check Setting General Setting Perform Dose Check On Off Password Validation	
- Dose Check Setting - Machine Information	● On ● Off	
- Hospital Information - User Management		
- Window setting - Option Key Setup	- Dose Limit Setting -	
- Lease	Head accumulated CTDIvol limit	1000 mGy
	Head accumulated DLP limit	0 mGycm
	Body accumulated CTDIvol limit	1000 mGy
	Body accumulated DLP limit	0 mGycm



Configuring Dose Alerts NeuViz 64

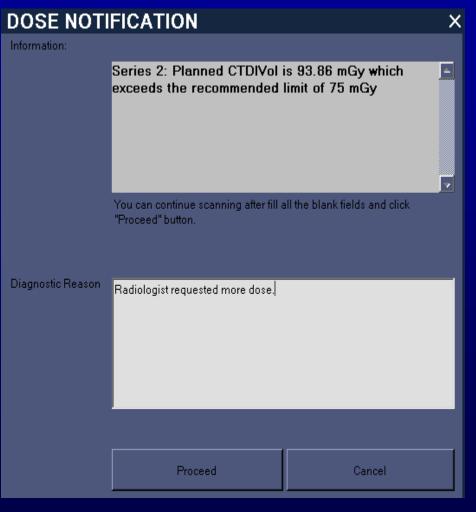
Dose Setting	
Max CTDIvol per study (mGy)	
Max DLP per study (mGy-cm)	
Max DLP per series (mGy-cm)	
Use the value from setting only	
Max CTDIvol per series (mGy)	
Use the value from setting only	

Global Dose Alert

 After checking Max CTDIvol per study (mGy) and/or Max DLP per study (mGy*cm), enter desired values.



Acknowledging Notifications-NeuViz 16

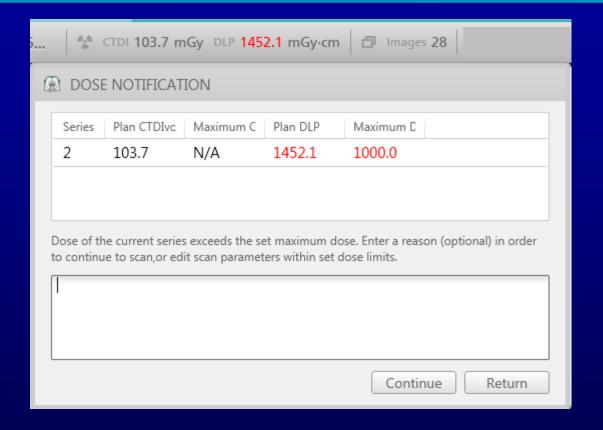


Dose Notification Pop-up

Diagnostic Reason may be entered, but it is not mandatory to proceed



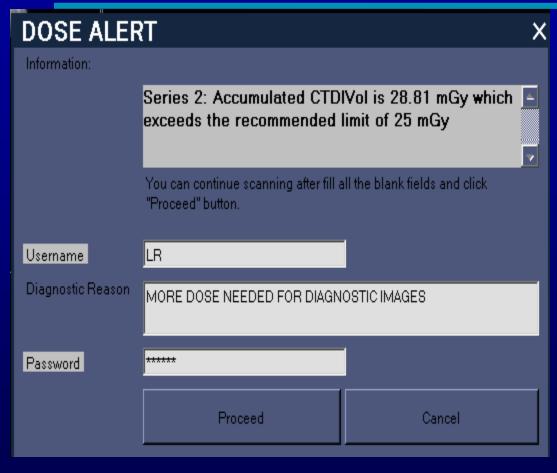
Acknowledging Notifications NeuViz 64



Optional message may be entered in the text box above. Press Continue to scan or Return to edit scan parameters.



Acknowledging Dose Alerts-NeuViz 16



 The default username and password location is left with the Admin or 'Super Users' who have Admin privileges. It is up to them to educate the rest of the staff on location of the default username and password.

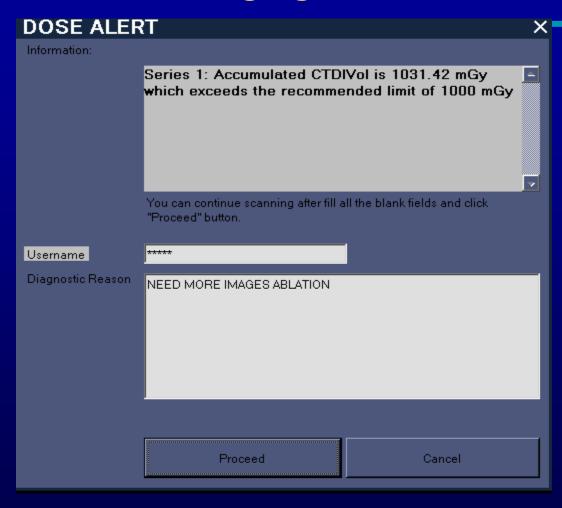
The system default configuration for Dose Check:

- Dose Check ON
- Password: OFF

In this Dose Alert example, Password is on, so user must fill in Username and Password to continue



Acknowledging Dose Alerts-NeuViz 16



 The default username and password location is left with the Admin or 'Super Users' who have Admin privileges. It is up to them to educate the rest of the staff on location of the default username and password.

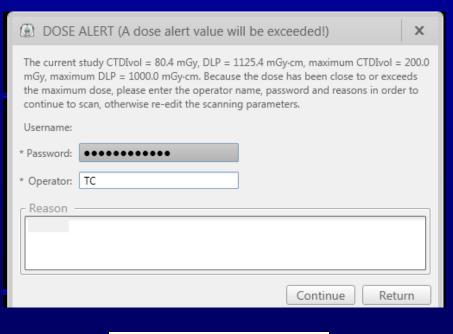
The system default configuration for Dose Check:

- Dose Check ON
- Password: OFF

In this Dose Alert example, Password is off. The user has the option to fill in Username, Diagnostic Reason, then Proceed



Acknowledging Dose Alerts NeuViz 64

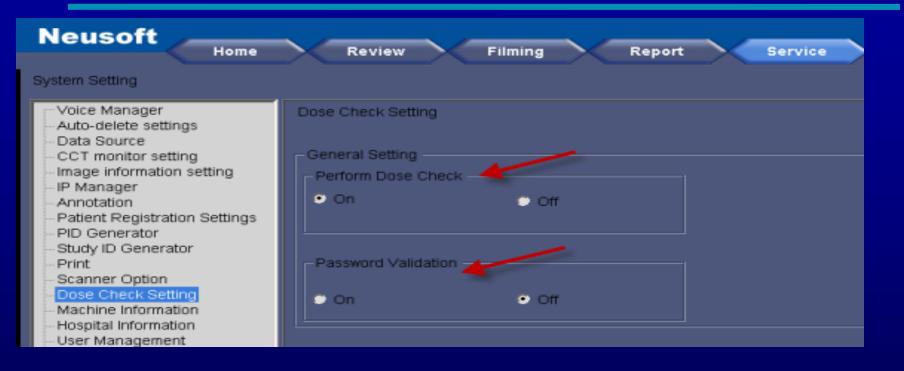




- The system is configured with Password Validation checked
 ON
- When checked, the operator must enter Password and Operator fields. Reason text field is optional



Turning off Dose Alert Feature-NeuViz 16



To Turn Dose Check Off (Logged into Admin) Service—Dose Check Setting—Perform Dose Check Select Off



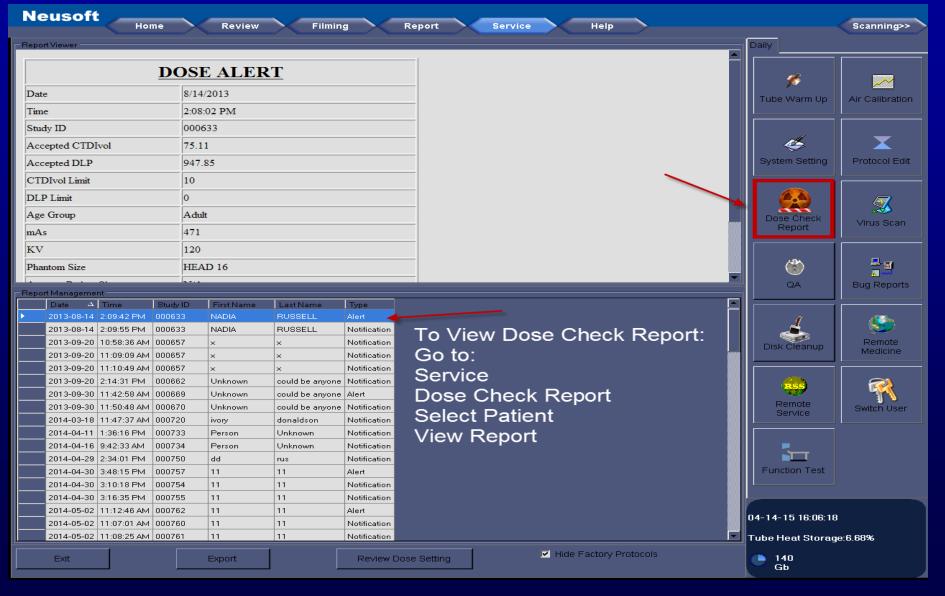
Turning off Dose Alert Feature NeuViz 64

Dose Setting
Max CTDIvol per study (mGy)
Max DLP per study (mGy-cm)
Max DLP per series (mGy-cm)
Use the value from setting only Max CTDIvol per series (mGy)
Use the value from setting only

Uncheck all boxes to turn off Dose Alert feature

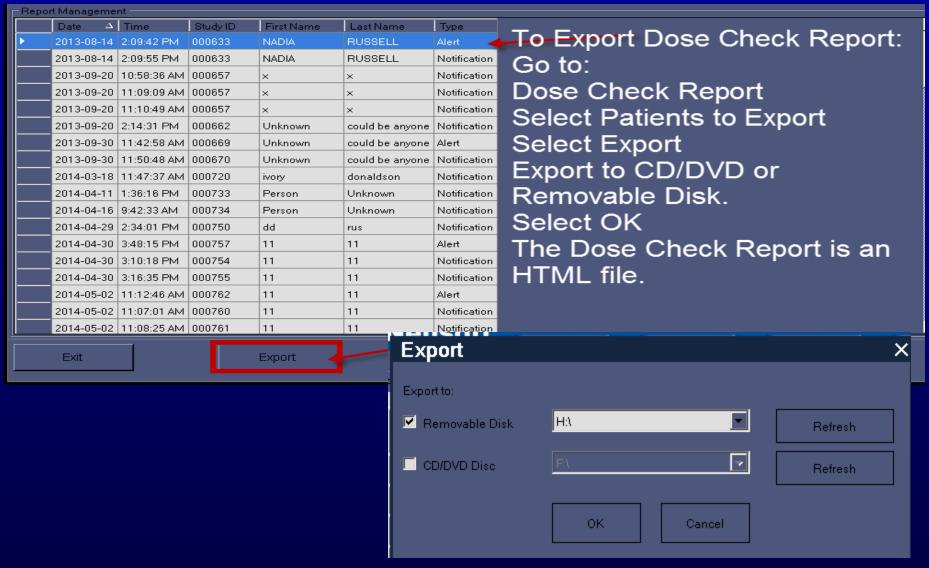


Location of Alert/Notification log-NeuViz 16





Exporting of alert/notification log-NeuViz 16





Location of alert/notification log NeuViz 64

Dose Check Log

ID	Patient ID	Time	Туре	Operator	Scan Time	Real CTDIvol(mGy)	Max CTDIvol Thresh
1	P-201504150325	2015-04-15 13:43:08	Notification		2015-04-15 13:43:07	98.7	200.0
2	P-201504150325	2015-04-15 13:46:50	Alert	tc		98.7	200.0
3	P-201504150325	2015-04-15 13:49:42	Notification		2015-04-15 13:49:41	93.0	200.0
4	P-201504150325	2015-04-15 13:49:43	Alert	tc		93.0	200.0

To view Dose Check Log, go to Service -->System Setting--> Dose Check Log