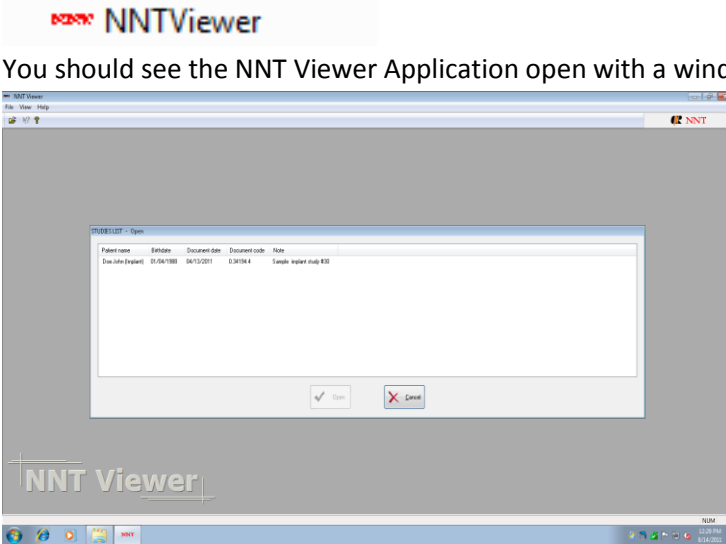


# NNT Viewer Instructions (How to view your Study & get DICOM files)

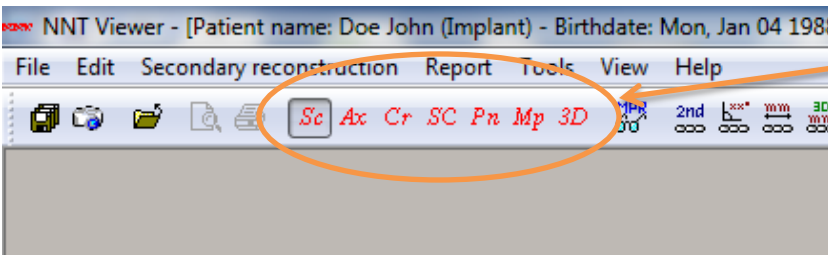
1. Load your Viewer CD containing your scan information into your computer.
2. If the CD automatically opens displaying the NNT Viewer, skip to #5.
3. If CD does not automatically open, go to  
Start Menu → "Computer" → (find the Disk on your computer drive) → Right-Click on the Drive containing the disk and click "Open"
4. Scroll down the files and double click on "NNT Viewer" Application.



5. You should see the NNT Viewer Application open with a window displaying your patient's name:
6. Highlight your patient's name and click "Open"
7. After processing, you should see two scout views to the left of the screen (Top scout view: Frontal View of the patient; Bottom scout view: Lateral View of the patient) and the CBCT scan information to the right of the screen.



8. On the upper left corner, you should see a number of "red" buttons.



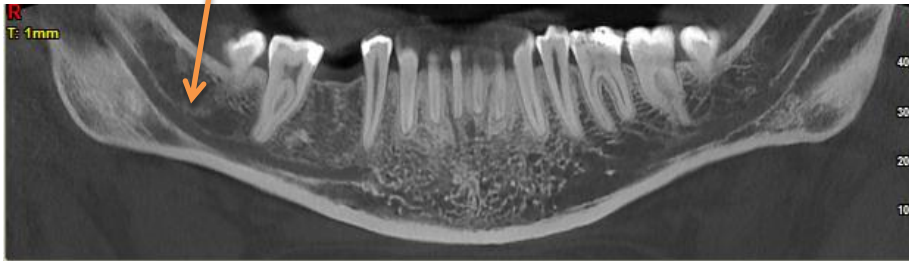
These buttons stand for the following:

- Sc** = Scout View
- Ax** = Axial View
- Cr** = Cross Sections (desired area of interest)
- SC** = Series of Cross Sections
- Pn** = Pano View
- Mp** = Multiplanar View
- 3D** = 3D images saved to your viewer

9. Click on each of those buttons to familiarize yourself with its view.
10. **To see a particular area's cross section**, click on the **SC** or **Mp** button. Place your mouse over the cross sections from either of those buttons mentioned above and use the mouse's scroll wheel to navigate through the cross sections.

11. **To see the nerve**, go to *Mp* or *Pn* view. Your Scan Operator should have already “extracted” the nerve for you to see.

Nerve is “extracted” from the CBCT scan for the surgeon to see clearly.



12. **To draw in the nerve** with the “pen” tool, look at the far right side of the screen, and click on the button with the red dot. (This can be done on the *Pn* or *Mp* view)

**FIRST:** To draw in the nerve with a “pen” click, on the button with the red dot.

**SECOND:** Choose the size of the “pen” to draw in the nerve.

**THIRD:** Once you have pick a “pen” size, go to the area of interest and Left-Click on desired start point and trace the path of the marker while moving the mouse. To terminate the command, Right-Click.

13. **To measure**, click on the "mm" button. (This can be done on the **Ax**, **Cr**, **SC**, **Pn**, or **Mp** views)

The image shows two side-by-side screenshots of the NNT software interface. The left screenshot shows a toolbar with a 'Zoom' section (100%, 75%, 50%), an 'Enable toolbar' section with buttons for '2nd', 'Lsc', 'mm', '3D', 'W', 'abc', and 'v', and a 'Utility' section. An orange arrow points from a callout box to the 'mm' button in the 'Enable toolbar' section. The right screenshot shows a similar toolbar but with a different 'Utility' section containing measurement tools. An orange arrow points from a callout box to the 'mm' button in this section.

**FIRST:** Click on the "mm" button.

**SECOND:** Click on the button indicated by the arrow.

**THIRD:** Go to the area of interest and Left-Click on the start point to be measured and drag to the end point to be measured, then Left-Click again. A display of length will be seen. To place the display in a location, Left-Click again at the desired location for the length display.

14. **To view NNT 3D images**, go to the top of the menu, click on the **3D** button, then click on the button shown below. (Depending on the type of study, your Scan Operator may generate 3D views of your area of interest. If so, this button would be red.)

Click on the button to see all the 3D images saved into your study. The full version of NNT software allows the operator to generate the 3D images. The NNT Viewer can only display the 3D images.

The image shows a screenshot of the NNT Viewer software interface. The title bar reads "NNT Viewer - [Patient name: Doe John (Implant) - Birthdate: Mon, Jan 04 1988 - Document code: 0.34194.4]". The menu bar includes "File", "Edit", "Secondary reconstruction", "Report", "Tools", "View", and "Help". The toolbar contains various icons for navigation and viewing, including a button labeled "3D" which is highlighted with an orange arrow. Other buttons in the toolbar include "MPR", "2nd", "Lsc", "mm", "3D", "W", "abc", and "v".

15. **To Get DICOM files**, go to “File” on the menu bar and follow the instructions below. (Your Scan Operator may have already exported your DICOM files to your Viewer Disk, check the “Dicom” folder on the disk. See #3 instruction above.)

Click on “File”, then “Save in DICOM format” → “Sequence of Axial images” → “512x512 Matrix”  
(a window may pop up asking you if you want the DICOM images to shrink, click “YES”)  
\*\* save the DICOM images to the Desktop for you to find easily for your third party software.

