Reorienting a Patient Scan in the Section View Tab

Proper patient positioning for a scan would include the patient sitting all the way to the back of the chair with a straight back and the patient looking straight ahead with no head tilt. However this is not a perfect world and sometimes the patient position is not perfect. Fortunately, InVivo has a reorientation tool that may be used to correct improper positioning.

The following steps will allow you to reorient the patient volume in the Section view tab.

Step 1. Left mouse click on the Reorientation icon on the toolbar. Arrows will appear in each of the rendering windows.

Step 2. While there is no particular order that you have to follow, let’s start in the axial window. Place the mouse cursor on any arrow within the window and drag the mouse to correct for any left to right head rotation - the patient should be looking straight ahead. Scrolling through the slices to anatomical landmarks like the hard palate is sometimes helpful for correct positioning.

Step 3. Next, adjust the coronal view so there is no side-to-side head tilt.

Step 4. The sagittal view will enable you to make any necessary adjustments that may be needed if the occlusal plane is not level. First, either use the mouse scroll wheel while the mouse point is in the sagittal window or drag either vertical green line in the axial and coronal windows until you see the right or left arches in the sagittal window. Now, drag the red cursor line between the occlusal surfaces and drag an arrow until the occlusal plane is parallel with the line.

Step 5. Click the Reorientation icon on the toolbar to record the changes. The original DICOM scan data will not be changed and the reorientation will not be saved when the scan is unloaded from the software unless you choose to do so.

Step 6. If you click on the Reorientation icon again, you can adjust the changes that you have made or you can reset the scan as it was before changes were made.