Basic Image Navigation

This worksheet will show you how to manipulate images in the rendering window with the keyboard and mouse.

**Slider Scroll**

- Click the mouse cursor over any slider and move it to adjust the image.
- Click the slider and keep the mouse cursor in the Control Panel before scrolling the mouse wheel forward or backward to achieve the image adjustment you like.

**Zoom In/Out**

- Place the mouse cursor in the center of the image you want to zoom.
- Hold down both the “Control” keyboard key and the left mouse button.
- While holding down the buttons indicated above, move the mouse up and down on the screen to zoom in or out on the image.

**Pan (Shift)**

- Place the mouse cursor in the center of the image you want to shift.
- Hold down both the “Shift” key and the left mouse button.
- While holding down the buttons indicated above, move the mouse in any direction to achieve the desired image displacement.

**Free Rotate**

- Place the mouse cursor in the center of the image you want to rotate and hold down the left mouse button.
- While depressing the left mouse button, move the mouse in any direction to achieve the desired rotational position.

**Free Rolling**

- Hold down both the “Space” key and the left mouse button.
- While depressing down the buttons indicated above, move the mouse up and down to rotate the image about a central axis.

**Increment Rotate**

- Use the keyboard arrows to rotate the 3D image one degree up, down, right, or left - perpendicular to the computer screen.

**Increment Roll**

* Hold down the “Control” key and use the keyboard arrows to rotate the 3D image one degree, rolling left or right about a central axis. Pressing the left or right arrows without the Control key pressed will roll the image left or right. Use the up or down arrows to roll the image up or down.

*Applicable only for 3D images.
Basic Image Navigation (continued)

Anatomical Plane Clipping

Clipping allows you to clip the 3D volume to see the patient's internal anatomy. You can slice the image along the predefined anatomical planes (sagittal, axial, coronal, and arch). You may choose “Flip” to change the clipping direction. Clipping is available in all views except Arch-Section, Ceph, TMJ and Gallery view tabs.

- After enabling clipping in the Control Panel, place the mouse cursor over the center of the image, then scroll the mouse wheel forward or backward to clip the anatomic plane in the chosen direction.

Scroll Slice

Use the scroll function when you would like to move through a series of sections when you are in any view tab with 2D rendering windows.

- Place the mouse cursor in the center of the image then scroll the mouse wheel forward or backward to move one section at a time as you advance through the data slices.

- In the ArchSection view Control Panel, you may change the slice intervals for the axial and the cross-sectional slices. The larger the number selected in the drop-downs the further the greater the distance between each scrolled section. 5.0 mm is the largest spacing available.

- In the TMJ view, cross-sectional (lateral) slice intervals may be changed in the Control Panel up to 5.0 mm.

- In the Section view, the slice intervals for the rendering windows may be changed. First, select Change Layout in the Control Panel. Next, when the dialog window appears, select an interval size up to 20 mm from the Slice Interval drop-down in the Light Box area then select a screen layout to lock in the changes.

Notes: