ACUSON S Family™ Ultrasound System
Manipulating an Endovaginal 3D Volume

1. Select an EV volume in review.

2. Select 3D/4D Soft Key.

3. Zoom image if desired. Click on A plane with arrow (this is the left/center image on the 3:1 view – green box will highlight image).
4. Rotate Cine wheel to find center of sagittal uterus.

5. Use Trackball and move Reference dot to endometrium in the fundus.

6. Rotate Z axis control to line up endometrium parallel to C slice plane.
7. Use thumbwheel and go to B Quadrant and Rotate Z axis control to line up endometrium parallel to C slice plane.

8. Go back to A plane with thumb wheel and Press Priority once to activate VOI size. Move trackball to the Right to make VOI wide and then push trackball up to make VOI as narrow as possible.
9. Press Priority two more times to get back to the Reference dot (pan function). Move reference dot/VOI up/down to fine tune the Coronal view (whale’s tail) on the Volume image. Use Z and X to adjust cornua/endometrium in C Plane. Dial Thumb Wheel down so C plane is now active and green.

10. Use the Z axis hard key and roll trackball to the right to move image 90 degrees to straighten out C plane. As you do this the Volume will also follow. At the same time, the A and B planes will switch places. Click the Select key to get your arrow back.