

# Voluson™ e4D Education

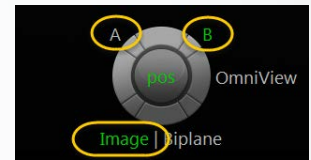
Expanding your knowledge in electronic 4D technology



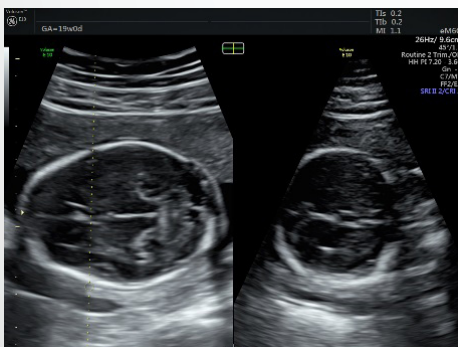
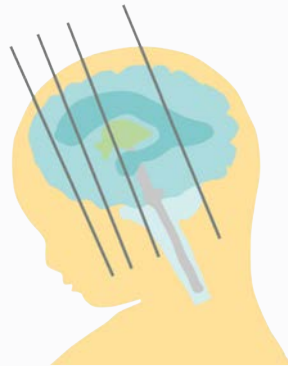
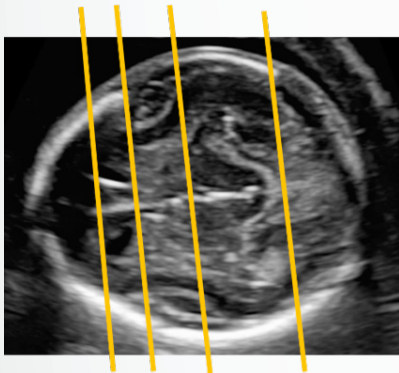
## Bi-Plane

Bi-Plane Imaging provides simultaneous display of high resolution, high frame rate images in two perpendicular planes.

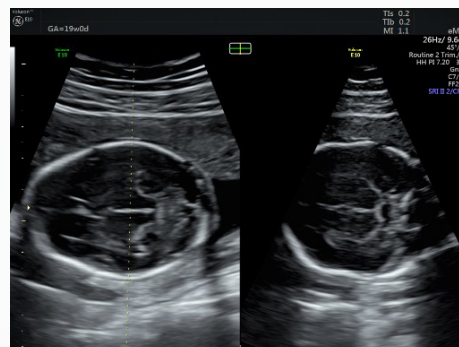
1. Select desired 2D imaging preset
2. Optimize the 2D image. Add color Doppler or HD-Flow™ if desired
3. Select Bi-Plane on touch panel
4. Adjust Angle A/B to include the desired amount of anatomy and optimize frame rate
5. Adjust the location of the Bi-Plane line with the trackball to desired location
6. Adjust the Bi-Plane Steer to achieve the desired angle
7. Position the Bi-Plane fulcrum to a location along the Bi-Plane line to achieve maximum steer angle
8. Move or adjust individual planes by selecting A or B on touch panel or trackball
9. Save as a single image or as a cine clip



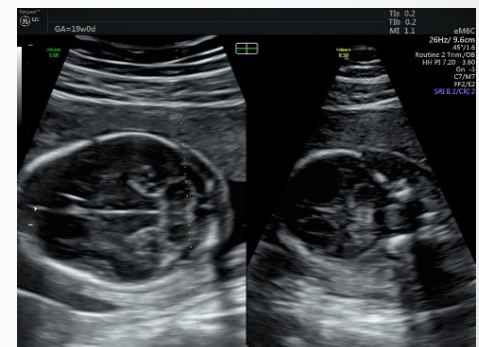
**Brain:** Acquisition plane: BPD plane



Transfrontal

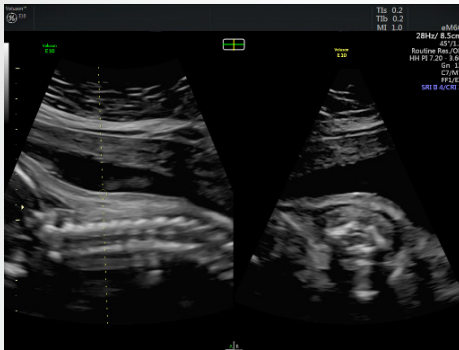
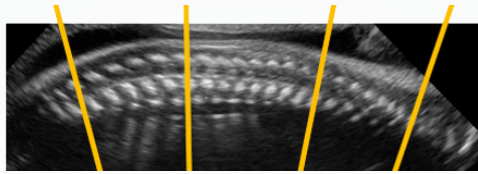


Transthalamic

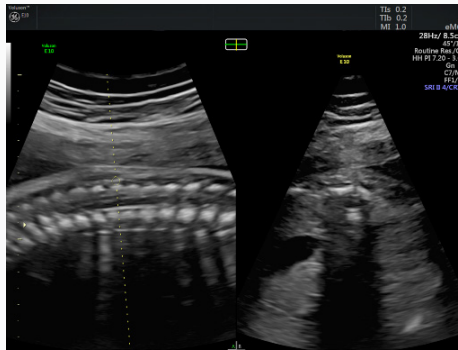


Transcerebellar

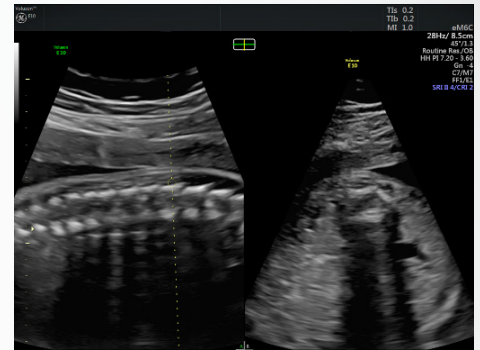
**Spine:** Acquisition plane: Sagittal view of the spine



C-Spine



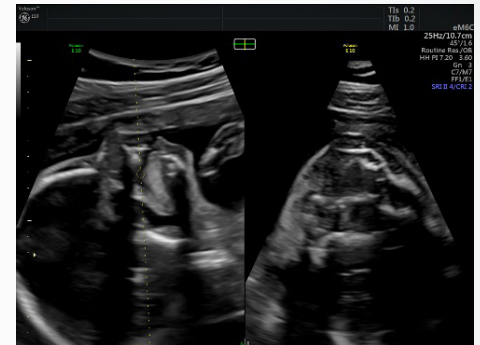
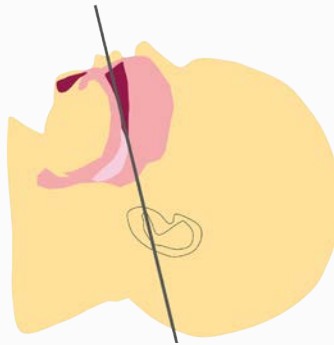
T-Spine



L-Spine

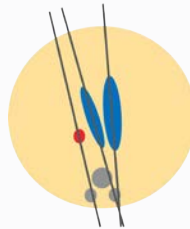
**Palate:** Acquisition plane: Sagittal profile view

**Tip:** View from under maxilla to prevent shadowing of palate



Palate

**Cardiac:** Acquisition plane to visualization of the arches is a 3 vessel view aligned horizontal



SVC/IVC



Aortic Arch



Ductal Arch



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