GE Healthcare

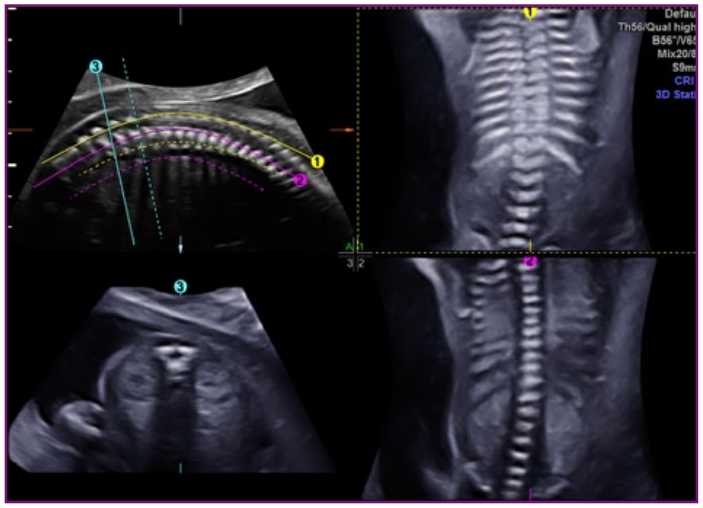
Voluson

Advanced VCI with OmniView

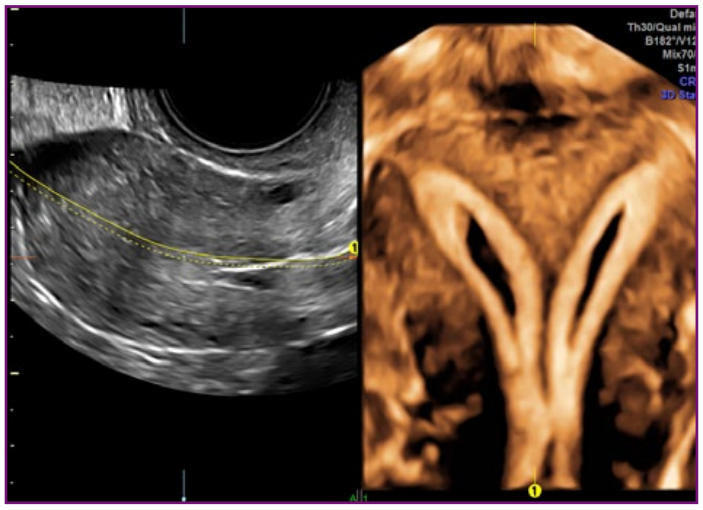
One of the clinical advantages of 3D ultrasound is the ability to obtain a volume of data for analysis in different planes. This is potentially useful in a wide variety of anatomical investigations. Until now however, the sections could only be obtained along linear planes and had to be viewed along with the other orthogonal planes or in slices parallel to each other. Advanced VCI (Volume Contrast Imaging) with OmniView allows the user to obtain sections oriented along any conceivable plane. This is an excellent approach for examination of complex structures that are not orthogonal or parallel to each other, or with curvilinear or irregular shapes. Advanced VCI with OmniView helps improve contrast resolution and visualization of the rendered anatomy with clarity in any image plane, even when viewing irregularly shaped structures.

Benefits of Advanced VCI with OmniView:

- Tracing along any shape or structure with a straight or curved line, polyline, or trace
- Allows view of a single slice or plane, or a slice of selectable thickness with Volume Contrast Imaging (VCI), to help improve contrast resolution
- "Any-Plane" function for 3D and 4D data can be viewed as a static 3D or in real-time 4D. It can be seen at the time of acquisition, or off line from a recalled volume
- Start from A, B, or C. Up to 3 planes can be displayed on a single display



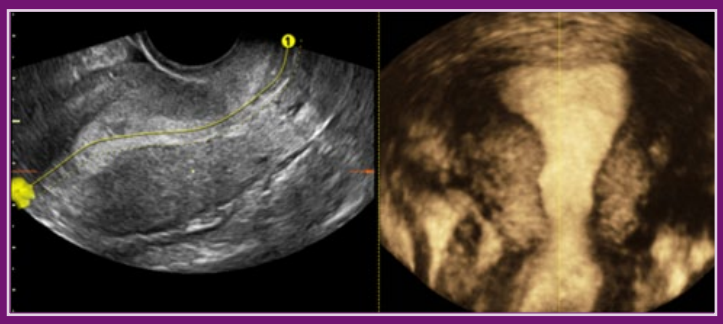
Up to 3 non-orthogonal planes can be displayed



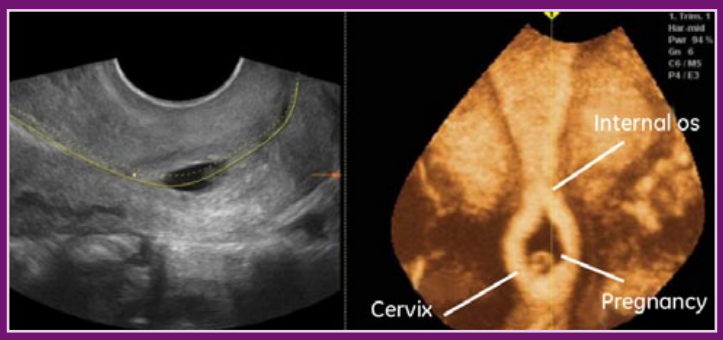
A curvilinear section is an excellent way to display a coronal view of a uterus

Obtain comprehensive anatomic information

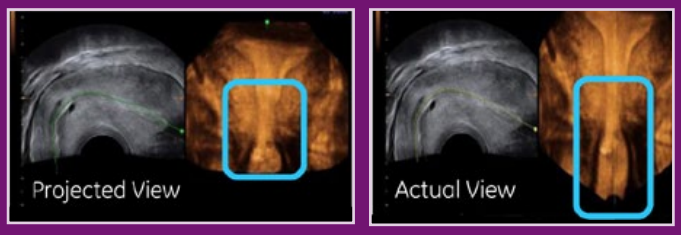
- Great flexibility in section analysis of complex anatomical structures
- Any-plane multiple slicing with simultaneous representation of the diagnostic elements in one single display
- Excellent contrast resolution and noise reduction



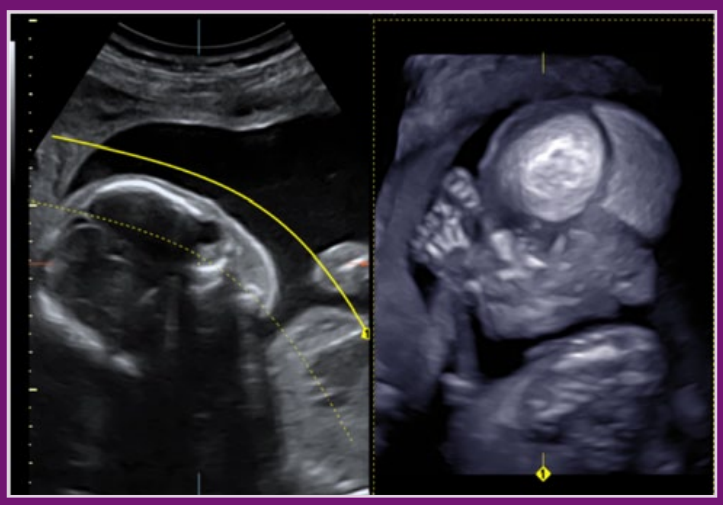
Polyline can easily follow the curvature of this endometrium for a quick coronal plane view



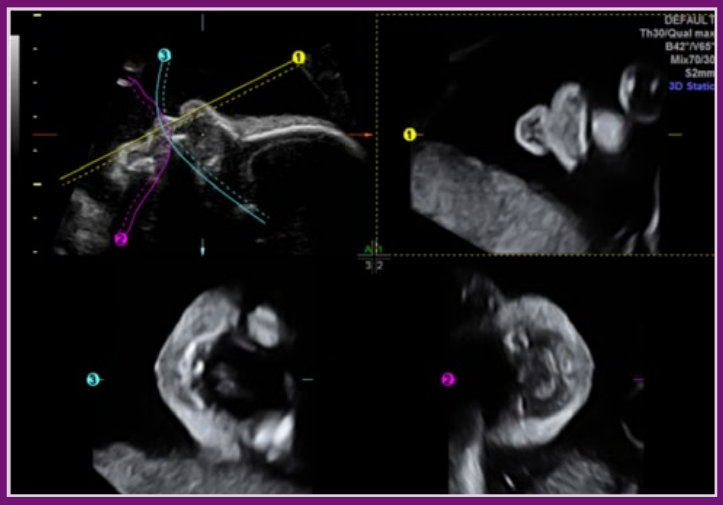
With polyline, pregnancy can be easily seen within the cervix and differentiated from the lower uterine segment when identifying the narrow internal os as a landmark



Projected View compacts a curved, polyline or traced image. Actual View allows line to be flattened representing a realistic view of anatomy



Using the skeletal rendering with this curved OmniView with VCI line allows visualization of the fetal skull sutures



Multiple views of the fetal face and palate, using multiple OmniView with VCI methods in a single display

GE Healthcare
9900 Innovation Drive
Wauwatosa, WI 53226
U.S.A.

Contact your GE sales representative for more information or call 888-202-5528.

imagination at work

DOC1264369