

Dear Doctor,

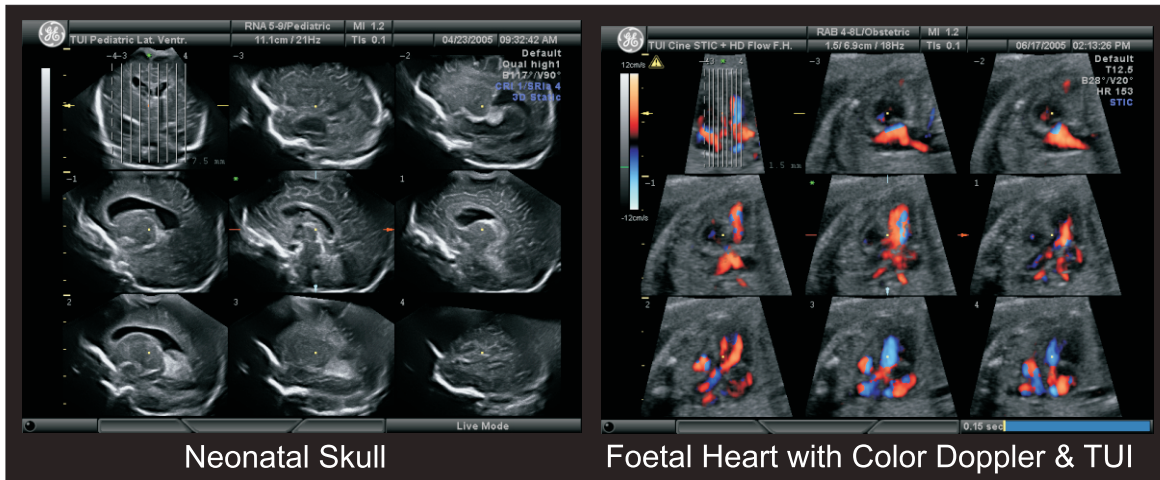
ARC has acquired two new, high end ultrasound machines.

- 1) New Voluson BT 05 with the latest 3D-4D features (just launched this year in U.S.A)
- 2) Logiq 5- Expert with advanced Color Doppler functions, high resolution small part imaging & Extended Field of view.

Your patients benefit with these new Advanced Technology.

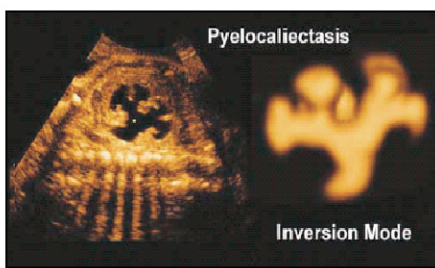
1. Tomographic Ultrasound Imaging (TUI)

With volume ultrasound it is now possible to appreciate the same display format of MRI and CT scans. It allows for the presentation of parallel slices, in either axial, frontal or coronal direction as well as in any organ specific, longitudinal, transverse or coronal axis. The advantage of this is that the entire organ may be displayed on one screen, and a finding documented in its total extent. TUI can be displayed on real-time as well, such as the foetal heart.

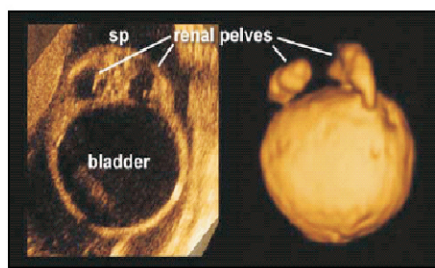


2. Inversion Mode.

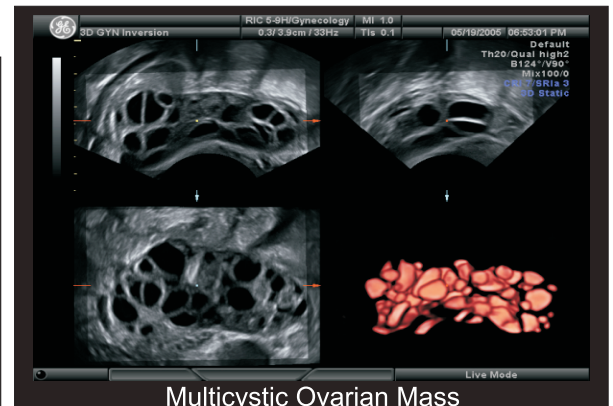
This rendering algorithm transforms echolucent structures into solid voxels. e.g. The anechoic structures such as the heart chambers, lumen of great veins and cystic structures appear echogenic on the rendered image whereas structures that are normally echogenic prior to inversion such as bones become anechoic. It can display scattered or contiguous fluid-filled structure in ways that can be very difficult or impossible to accurately characterize with conventional ultrasonography.



Dilated Renal Pelvis & calyces in a 27 wk fetus



Enlarged Urinary Bladder & Hydronephrosis in a 17 wk fetus



Multicystic Ovarian Mass

FACILITIES:-

- WHOLE BODY-ULTRASOUND
- COLOR DOPPLER
- MAMMOGRAPHY
- BMD-DEXA
- ECHO CARDIOGRAPHY
- PATHOLOGY

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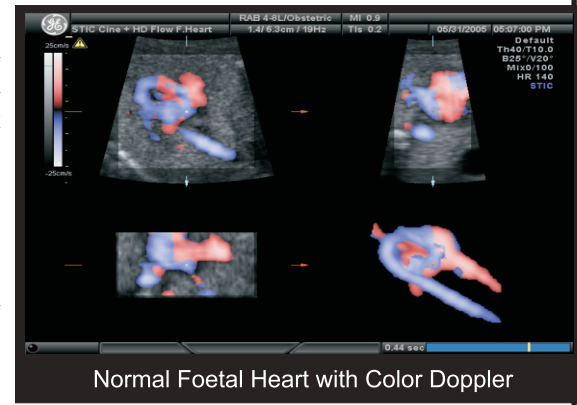
www.arcbombay.net

Timings:

9.00 am to 7.00 pm

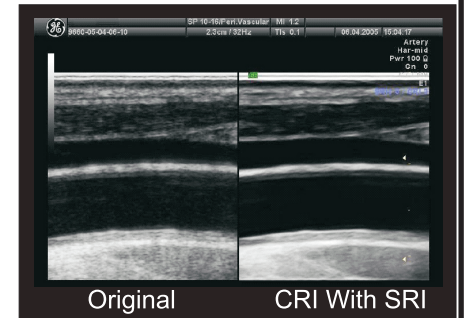
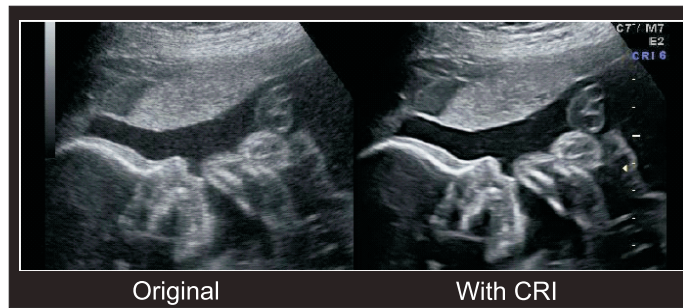
3.STIC imaging with Color Doppler for better evaluation of the foetal heart.

A full fetal heart cycle is captured beating in real time and the volumes saved for later analysis. With this data, the heart chambers, valves, septum and outflows tracts can be thoroughly examined, even off line, that is after the patient has left and the images can be sent to an expert anywhere in the world. In combination with TUI, Inversion mode and Color Doppler, the complete fetal heart can be navigated and imaged for maximum clinical information.



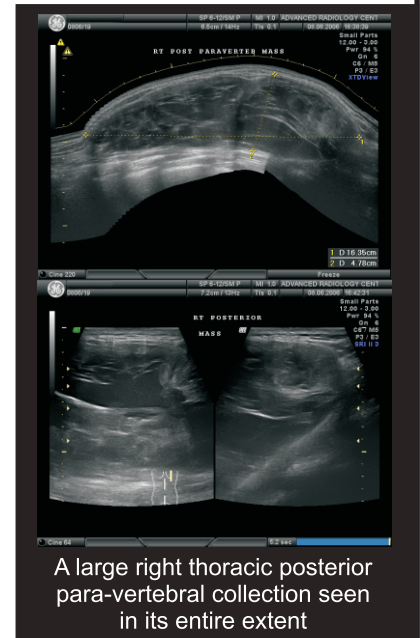
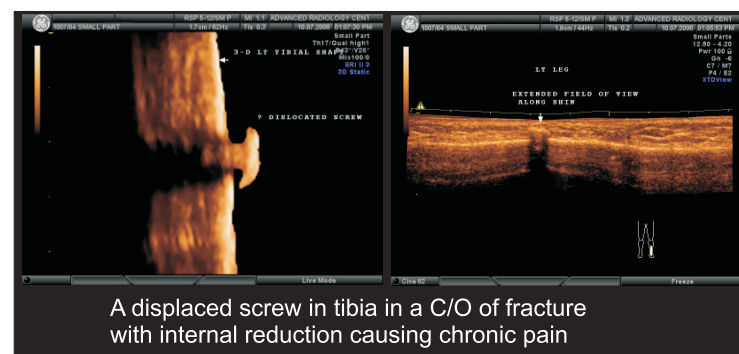
4.Speckle reduction and cross beam imaging

Ultrasound images suffer from intrinsic artifact called "Speckle". With the new feature, a lot of speckle can be reduced which increases contrast resolution by increasing the signal to noise ration with enhanced contrast resolution , better tissue differentiation and clear organ borders.



5.Extended Field of View.

Very long and large structures/pathologies which do not fit into the ultrasound beam can be displayed in its entire extent and accurately measured, e.g. Long muscle tendon or large masses / collection anywhere in the body..



6.Faster 4-D Examination.

The volume frame rate has increased from 16 frames per second to a whopping 40 frames per second! This considerably improves the 4-D examination of the foetus.

We are very grateful for your support and good will and we shall always strive to give the best possible quality in ultrasound diagnostic imaging and contribute positively in the management and care of your patients.

DR. GEETA SHAH
 M.D., D.M.R.D.

DR. SONALI GANDHI
 D.M.R.D.