Prenatal diagnosis of fetal abnormalities has become one of the most important aspects of maternal fetal medicine. Patients and referring physicians heavily rely on correct diagnosis of potential congenital abnormalities.

3D / 4D USG has revolutionized the field of imaging with its ability to use multiple planes in which the area of interest can be displayed.

**Advantages:**
- Accurate diagnosis about fetal abnormalities
- Improved understanding of fetal anatomy by parents
- Improved maternal fetal bonding.

The importance of reassurance provided by 3D/4D USG in the absence of any fetal abnormalities is a blessing in disguise especially in high-risk families.

3D images are helpful in assessing motion of the ankles, opening & closing of the mouth, movement of the arms & legs & counting digits of the hands.

**VITAL PREGNANCY SONOGRAPHY PACKAGES**
- **DATING SCAN** at 6 – 8 wks
- **FIRST TRIMESTER** at 11 – 14 wks SCREENING
- **ANOMALY SCAN** at 18 - 20 wks
- **3D / 4D SCAN** at 18 - 20 wks
- **3D / 4D SCAN** at 28 - 34 wks
- **COLOUR DOPPLER** at 30 - 40 wks

Website: [www.vitalradiology.com](http://www.vitalradiology.com)
The Sound Of Babies…

3D - 4D USG!

- Cleft Lip & Palate is one of the most common congenital abnormality & is highly associated with other congenital abnormalities
- 3D / 4D USG is a useful tool in correct identification & determination of the extent of facial clefting
- Accuracy of diagnosis of facial clefting is higher using 3D US in comparison with 2D USG

A clear view of a fetal face with anomalies has a tremendous role in making decisions regarding continuation of pregnancy, bonding, & conceptualization of the postnatal surgical care of the newborn

3-D is particularly helpful in evaluation for Club Foot, both because the ankle can be displayed & evaluated in a standard orientation & movement of the ankle can be assessed using 4-D

3D / 4D APPLICATIONS IN ABDOMEN:
- Bladder – Masses, Polyps, Diverticula, Calculi.
- Prostate - BPH
- Vessels – Dissection, Plaques
- Gall bladder – Mass, Calculi, sludge
- Stomach – Rugal folds, masses
- Volumes of liver masses, gallbladder, or gallstones.
- Cysts & Collections

VITAL imaging centre
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ANDHERI WEST, MUMBAI – 53.
PH: 26301184 / 85
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Urinary Bladder Masses

GB Polyps

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