MOLECULAR
DIAGNOSTICS AND THERAPY
...where technology meets patient care

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Understanding
USG OBS - 3D/4D



What is USG OBS - 3D/4D?

USG OBS - 3D/4D is performed using a high-tech ultrasound imaging system to generate three-dimensional and real-time images of the developing baby is called a USG-3D/4D examination. It is a device that creates high-frequency sound waves to evaluate the baby and related structures without the use of any ionising radiation. The 3D ultrasound produces 3D images, and the 4D ultrasound takes these images and adds movement.

Why is it Performed?

Situated in this examination is a detailed picture of the developing baby, as well as the analysis and assessment of fetal growth and estimation of fetal weight and Other pregnancy-related characteristics. It can also be used to assess some anatomical structures if clinically necessary. Results are discussed in light of the pregnancy history, gestational age, and other clinical data.

Preparation

- Inform the ultrasound team about your gestational age and pregnancy history.
- Carry previous ultrasound reports and relevant medical records.
- Inform the team about any pregnancy-related medical conditions.

Procedure

You lie on the exam table, and a clear gel is applied over the abdomen. Images of the baby are taken as the sonographer moves the ultrasound transducer/probe over the abdomen. Various positions could be adopted to get appropriate 3D and 4D views. As required by clinical need, the assessment of fetal growth, fetal movements, position, and selected anatomical structures may be added to the examination.

Important Instructions

- Bring previous pregnancy and ultrasound reports.
- Remain comfortable and still during the examination.
- Inform staff if you feel uncomfortable.

Safety Precautions

Ultrasound uses sound waves and does not use ionising radiation. It is frequently employed in pregnancy when necessary. This should be conducted by sonographers who are qualified and trained to perform the procedure.

When to Seek Medical Attention?

Tell your healthcare professional if you have unusual or persistent symptoms. Let your physician know if you are concerned about your pregnancy, your symptoms, or your follow-up care. USG OBS - 3D/4D USG is a three-dimensional/four-dimensional obstetric ultrasound examination. Interpretation of results should be made by a qualified specialist, backed up by the pregnancy history and other clinical information. Molecular Diagnostics and Therapy offers assistance and instruction during evaluation.