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

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Understanding
USG Lower Abdomen



What is a USG Lower Abdomen?

USG Lower Abdomen is an ultrasound examination of the lower abdominal and pelvic organs and structures, and it is safe and non-invasive. New technology consists of high-frequency sound waves that generate real-time images without the use of any ionising radiation. The scan includes the urinary bladder, kidneys, uterus, ovaries, prostate, and surrounding pelvic structures depending upon the clinical requirements of the patient.

Why is it Performed?

USG of the lower abdomen is recommended if there is a urinary problem, damage, swelling, or abdominal discomfort. It helps to diagnose kidney stones, bladder defects, ovarian cysts and fibroids, enlarged prostate, fluid accumulation, or other defects.

Preparation

- Fasting is generally not required unless specifically advised by your doctor.
- A comfortably full bladder may be required for better visualisation of pelvic structures.
- Drink approximately 4–6 glasses (750–1000 mL) of water 45–60 minutes before the examination and avoid urinating until the scan is completed, unless instructed otherwise.
- Continue regular medicines unless advised otherwise.
- Bring your doctor's prescription and previous ultrasound, CT, MRI, or laboratory reports.
- Wear loose and comfortable clothing.
- Inform the medical team if you are pregnant.

Procedure

The water-soluble ultrasound gel is placed on the lower abdomen, and our expert team glides the ultrasound (US) transducer over the area of interest for real-time images. The scan is not accompanied by any radiation and is usually painless.

Important Instructions

- Follow all instructions provided by the ultrasound team.
- Keep your bladder comfortably full if instructed.
- Do not urinate before the examination when a full bladder is required.
- Inform the sonologist if you experience discomfort.
- Bring previous reports for comparison whenever available.

Safety Precautions

USG Lower Abdomen does not involve the use of ionising radiation and is generally considered safe. It takes place under trained medical supervision with a proper ultrasound protocol.

When to Seek Medical Attention?

If you have abdominal or pelvic pain and heavy bleeding, fever, difficulty in passing urine, or other symptoms, inform the medical staff. In Molecular Diagnostics and Therapy, it comes with proper use of ultrasound techniques and is supervised by a trained specialist, ensuring the right imaging, safety, and comfort of the patient.