MOLECULAR
DIAGNOSTICS AND THERAPY
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Understanding
Ultrasound Whole Abdomen + TVS



What is Ultrasound Whole Abdomen + TVS?

Ultrasound Whole Abdomen + TVS is a combination of imaging procedures for the assessment of abdominal and pelvic organs. The whole abdomen sonography scan reflects the liver, gallbladder, pancreas, spleen, kidneys, and bladder, while transvaginal sonography (TVS), it scans the uterus, cervix, ovary, and other pelvic organs. Both tests emit no radiation and employ sound waves.

Why is it Performed?

The combination test is done in cases of abdominal or pelvic pain, abnormal bleeding, irregular periods, urinary problems, problems with pregnancy, and any abdominal gynaecological issues. It assists in detecting abnormalities of the body, such as cysts, fibroids, fluid collections, stones, and other abnormalities in the position and shape of the body's organs.

Preparation

- Fasting may be required for the whole abdomen ultrasound, as advised.
- A comfortably full bladder may be required for the abdominal portion of the examination and the bladder may need to be emptied before the TVS portion.
- Inform medical team about pregnancy, medicines, and medical conditions.

Procedure

During a "whole abdomen" ultrasound, gel is put on the abdomen, and the ultrasound probe is swept over the abdomen where the areas to be scanned are checked. The TVS is performed in a comfortable position for the patient, and the ultrasound probe is covered and then carefully placed into the vagina to get a detailed image of the pelvic organs. The sonographer gently moves the probe to obtain additional views of the pelvic organs to obtain additional views. In general, TVS is safe and may cause temporary or mild discomfort in some patients.

Important Instructions

- Follow all preparation instructions provided by the ultrasound team.
- Maintain a full bladder for the abdominal scan if instructed.
- Empty the bladder before TVS when advised.
- Remain relaxed and follow positioning instructions.
- Inform the sonologist if you experience discomfort.
- Inform the team about pregnancy or any relevant medical condition.
- Bring previous reports for comparison when available.

Safety Precautions

Ultrasound Whole Abdomen + TVS uses sound waves and does not involve ionising radiation. Ultrasound is generally considered safe when performed by trained professionals using appropriate protocols. TVS is performed using a specialised probe with appropriate protective covering and hygiene precautions. Patient privacy, comfort, dignity, and safety are maintained throughout the examination.

When to Seek Medical Attention?

Sudden severe pelvic pain, particularly when associated with fainting, vomiting, or significant weakness, may require prompt medical attention. Ultrasound findings can help determine whether further evaluation or additional investigations are required. At Molecular Diagnostics and Therapy, Ultrasound Whole Abdomen + TVS is performed using appropriate ultrasound protocols under the supervision of trained medical staff, with attention to accurate imaging, patient privacy, safety, and comfort.