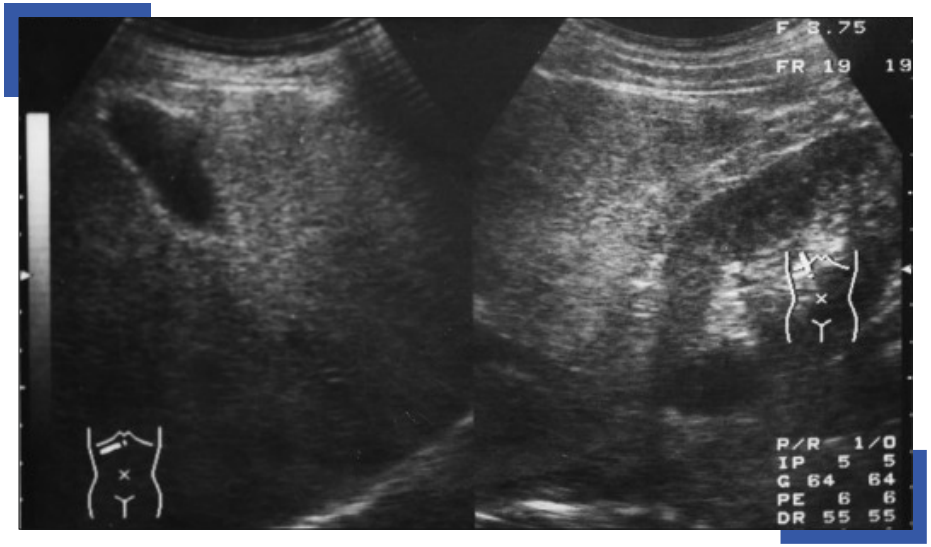
MOLECULAR
DIAGNOSTICS AND THERAPY
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Understanding
USG Guided Procedure



What is USG Guided Procedure?

A minimally invasive procedure with the aid of real-time ultrasound imaging is a USG-guided procedure. With ultrasound, the doctor visualizes the selected area clearly and accurately directs a fine needle to the selected site. Fine Needle Aspiration Cytology (FNAC), fluid aspiration, and other sampling procedures are carried out using this ultrasound.

Why is it Performed?

USG guidance is utilized to obtain a tissue specimen or fluid sample from a certain region to send to other regions for additional evaluation. A small sample of cells is taken from lumps, nodules, or other suspicious areas to assess the condition, using a technique known as FNAC. The aspiration is done to take out fluid from a cyst or other fluid-filled space. This real-time guidance with ultrasound aids the doctor in targeting the precise location and procedure.

Preparation

- Inform the medical team about current medicines, allergies, pregnancy and medical conditions.
- Bring previous ultrasound, CT, MRI, or other relevant reports.

Procedure

Ultrasound gel is placed on the skin, and the sonologist identifies the area to target using the ultrasound probe. Once the skin is cleaned and anaesthetic is applied as needed, a fine needle is carefully guided towards the target using ultrasound, which enables the viewing of the ovary. This allows the internal structure of the ovary to be visible. When the procedure is being performed, cells or fluid are removed for laboratory testing, and there is a small dressing that put on top of the site.

Important Instructions

- Follow all pre-procedure instructions carefully.
- Inform the doctor about blood-thinning medicines or bleeding disorders.
- Take medicines only as directed by your doctor.
- Remain still and follow positioning instructions during the procedure.
- Inform the medical team if you experience significant pain or discomfort.
- Keep the procedure site clean and follow dressing instructions.
- Bring previous imaging and laboratory reports.
- Follow all post-procedure instructions provided by the healthcare team.

Safety Precautions

USG-guided procedures do not employ ionising radiation but use ultrasound imaging. This technique is carried out under sterile conditions and necessary precautions to minimize the risk of infection and other complications. Minor discomfort, bruising, swelling, or pain may be experienced depending on the procedure and where it is performed. Our medical staff assesses a patient's health status and then takes necessary precautions before and throughout the process.

When to Seek Medical Attention?

If patients have any unusual symptoms after the procedure, such as persistent bleeding, swelling, severe or aggravating pain, redness, fever, or wound drainage, contact their healthcare professional. At Molecular Diagnostics and Therapy, professionals perform USG-guided procedures (FNAC, aspiration) under trained medical supervision, ensuring procedural accuracy, patient safety, and comfort.