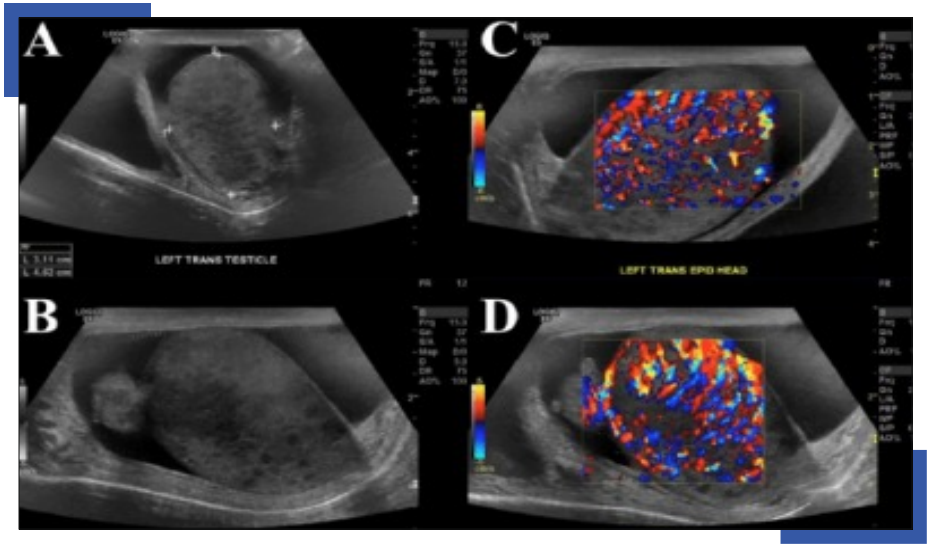
MOLECULAR
DIAGNOSTICS AND THERAPY
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Understanding
USG Scrotal



What is USG Scrotal?

USG Scrotal is a non-invasive ultrasound scan procedure that assesses the testicles, epididymis, scrotal sac, and adjacent soft tissues. It uses ultrasound waves of high frequency to make pictures of the scrotal structures without using any ionizing radiation. Evaluation of blood flow can require a Color Doppler evaluation during the examination.

Why is it Performed?

USG Scrotal is used to check physical signs like testicular pain, scrotal swelling, scrotal tenderness, lump, size, or appearance of the testicles. It can be used to make a general impression of the testicles, to see if there is any inflammation, a collection of fluid hydrocele, varicocele, cyst, changes in blood flow in the cord due to torsion, and other injuries or conditions of the scrotum or testicles.

Preparation

- No special bladder preparation is usually needed.
- Wear comfortable clothing that allows easy access to the scrotal area.
- Bring previous ultrasound reports or relevant medical records.
- Inform the doctor or sonographer about pain, swelling, injury, or previous scrotal surgery.

Procedure

When conducting the examination, the patient is lying on a medical examination table in a comfortable position. A small piece of ultrasound gel is spread over the scrotal skin, and the ultrasound probe is slowly scanned over both testicles and the surrounding structures. The size, shape, internal structure, and location of the testicles are evaluated, as well as the epididymis and surrounding tissue. When clinically indicated, colour and spectral Doppler can be evaluated to provide an assessment of blood flow. Generally, the exam is not painful, but may be if the area is painful.

Important Instructions

- Follow any instructions provided by the diagnostic centre.
- Bring previous imaging reports for comparison when available.
- Inform the healthcare professional about any recent trauma or surgery.
- Report significant pain or tenderness before the examination.
- Remain still during the scan to help obtain clear images.
- Follow-up imaging may be recommended depending on the findings.

Safety Precautions

An ultrasound is a sort of sound wave examination that does not utilize ionizing radiation. When executed properly by a trained professional, it is safe. The exam is noninvasive and typically won't require contrast. If blood flow needs to be assessed clinically, it can be combined with Colour Doppler.

When to Seek Medical Attention?

Sudden severe testicular pain, rapidly developing swelling, nausea or vomiting along with painful testes, or pain after substantial trauma should lead to urgent medical evaluation, as some of these situations require immediate treatment. Molecular Diagnostics and Therapy offers ultrasound services of the scrotum in accordance with the requirements of the procedure, proper imaging protocol, and trained medical personnel supervision, taking proper consideration of assessment, patient privacy, safety, and comfort.