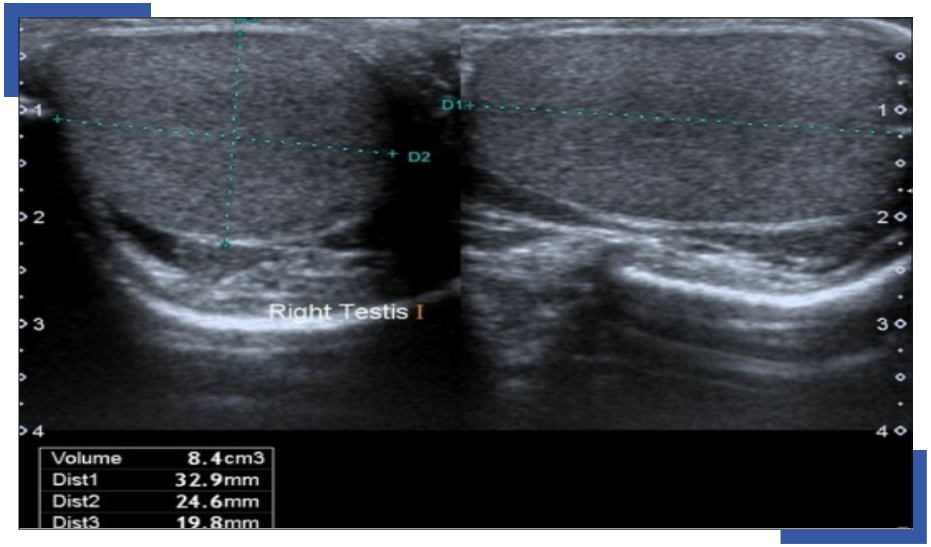
MOLECULAR
DIAGNOSTICS AND THERAPY
...where technology meets patient care

Ghaziabad: Plot No 14 & 15, Block P, Sector 23, Sanjay Nagar, Ghaziabad
Near ALT Bus Stand, Phone No.: +91-9217244110
info@molecularit.com www.molecularit.com

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



Understanding
USG Testis



What is USG Testis?

The USG Testis is an ultrasound scan performed as a non-invasive (no instruments are inserted into the body) examination of the testicles, epididymis, scrotum, and surrounding tissue. It provides real-time images that help evaluate the size, appearance, and structure of the testicles. Doppler ultrasound can be used to evaluate blood flow in the testicles and surrounding tissues.

Why is it Performed?

USG Testis is indicated for pain/swelling/enlargement of the testicles, a palpated lump, injury, and other concerns regarding the scrotal area. It is appropriate for evaluating inflammatory conditions, fluid collection, cysts, varicocele, and the presence of torsion. This test may be used to help locate an undescended testicle and evaluate causes of infertility, such as varicocele.

Preparation

- Wear loose and comfortable clothing.
- Bring previous ultrasound, CT, MRI, or other relevant reports.
- Inform the sonologist about any medications, recent injury, surgery, or treatment involving the testicles or scrotum.

Procedure

The patient lies on a scanning table, with proper positioning to support the scrotum. Ultrasound gel is applied to the skin, and the ultrasound probe is glided lightly over the scrotum and testicles. Images are taken of both testicles and surrounding tissues to be analyzed and compared. If clinically indicated, Doppler assessment is used to assess blood flow. This is not generally painful; however, if the area is swollen or painful, it may include some tenderness.

Important Instructions

- Remain relaxed and follow positioning instructions during the examination.
- Inform the sonologist if you experience discomfort or significant tenderness.

Safety Precautions

USG Testis uses sound waves and does not involve ionising radiation. It is generally considered safe when performed by trained professionals using appropriate ultrasound protocols. Doppler assessment may be used when necessary to evaluate blood flow. The examination is performed with attention to patient privacy, comfort, and obtaining clear diagnostic images.

When to Seek Medical Attention?

Sudden or severe testicular pain requires prompt medical evaluation because conditions such as testicular torsion reduce blood flow to the testicle and require urgent treatment. Seek immediate medical attention for sudden severe pain, rapidly increasing swelling, nausea or vomiting associated with testicular pain, or other acute scrotal symptoms. At Molecular Diagnostics and Therapy, USG Testis is performed using appropriate ultrasound protocols and trained medical supervision, with attention to diagnostic imaging, patient privacy, safety, and comfort.