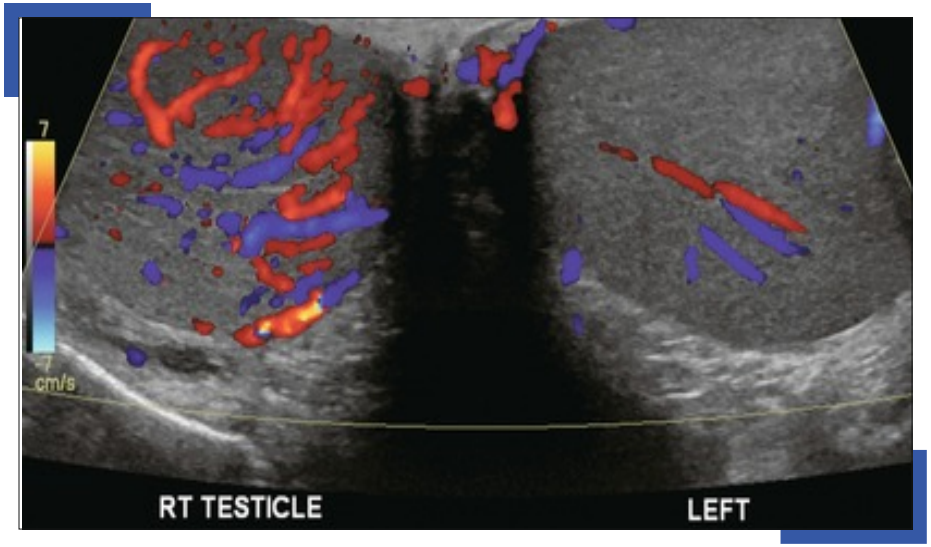
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Ghaziabad: Plot No 14 & 15, Block P, Sector 23, Sanjay Nagar, Ghaziabad
Near ALT Bus Stand, Phone No.: +91-9217244110
info@molecularit.com www.molecularit.com

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Understanding
USG Colour Doppler Scrotum



What is USG Colour Doppler Scrotum?

USG Colour Doppler Scrotum is a non-invasive ultrasound test to assess the testicles, epididymis, scrotal sac, surrounding tissues, and blood flow. It integrates the characteristics of blood flow and direction from the vessels in the testicles and in the scrotal area with the normal ultrasound images. The examination is without the use of ionising radiation.

Why is it Performed?

USG Colour Doppler Scrotum is ordered to assess symptoms like scrotal or testicular pain, swelling, tenderness, palpable lump, or changes in testicular size. It has special value in the evaluation of blood flow disorders like suspected testicular torsion and varicocele. It may also be used to assess epididymitis, orchitis, hydrocele, cysts, trauma-induced changes, and inflammation.

Preparation

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

Procedure

This exam is typically done in an examination bed with the patient lying in a comfortable position. Ultrasound gel is placed on the scrotal region, and a high-frequency probe is gently glided over both testicles and surrounding tissues. Testicular size, shape, internal appearance, and position are examined. The epididymis and other tissues are also inspected. Blood flow in the testicular and scrotal vessels is assessed with colour Doppler and, if necessary, with spectral Doppler. Several points are usually evaluated on both sides.

Important Instructions

- Follow any instructions provided by the diagnostic centre.
- Bring previous imaging reports when available.
- Inform the healthcare professional about recent trauma or surgery.
- Report significant pain or tenderness before the examination.
- Remain still and comfortable during the scan.
- Additional imaging or follow-up may be recommended depending on the findings.

Safety Precautions

Ultrasound and Colour Doppler are based on sound waves and do not use ionising radiation. If they are done correctly by trained personnel, they tend to be safe. This test is non-invasive, and contrast is typically not needed. Doppler assessment gives information about the blood flow and should always be used in conjunction with clinical findings.

When to Seek Medical Attention?

Sudden, severe pain in either testicle, or a sudden, rapid swelling, or nausea or vomiting with testicular pain, or profound pain after trauma should prompt medical evaluation. Testicular torsion is a condition that requires urgent management, especially, and may not be delayed for routine investigations if it is suspected to be acute. Molecular Diagnostics and Therapy offers USG Colour Doppler Scrotum service with a proper imaging protocol and experienced medical supervision, ensuring evaluation, patient safety, privacy, and comfort.