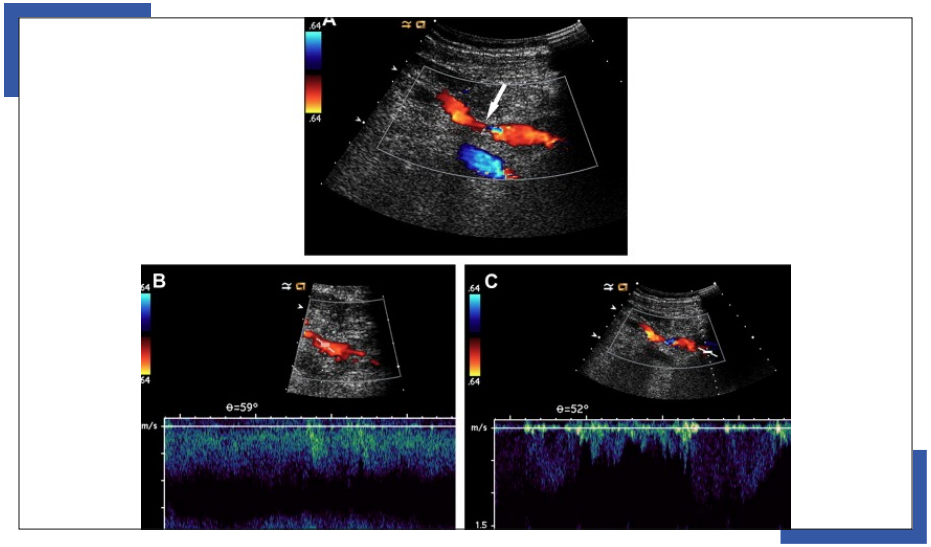
MOLECULAR
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Understanding
Colour Doppler - Both Upper Limbs Venous



What is Colour Doppler - Both Upper Limbs Venous?

Colour Doppler of Both Upper Limbs Venous is a non-invasive ultrasound test that is employed to evaluate the veins of both arms. Coupled with the use of conventional ultrasound, Colour Doppler and spectral Doppler are used to assess the vein's structure, the direction and features of blood flow, as well as the venous circulation.

Why is it Performed?

This may be conducted when a patient has symptoms or clinical concerns related to venous circulation in the arms. It may assist in the assessment of a clot in deep veins (DVT), venous obstruction, impaired venous flow, arm swelling, pain, or tenderness, among others. It can also be ordered if someone has had previous venous catheter placement, vascular procedure, or treatment involving the veins.

Preparation

- Wear loose and comfortable clothing that allows easy access to both arms.
- Inform the medical team about current medicines and medical conditions.
- Bring previous Doppler, ultrasound, CT angiography, or other vascular reports.
- Inform the sonologist about any previous vascular surgery, catheter placement, or vascular procedure.

Procedure

The patient is positioned on a examination table comfortably, and the ultrasound gel is applied to the arms. The sonographer carefully glides the probe over the veins of each arm to take pictures. Blood flow, direction, velocity, and other venous parameters are assessed by Colour Doppler and Spectral Doppler techniques. When necessary, compressibility of veins can be evaluated with gentle pressure by the ultrasound probe.

Important Instructions

- Wear comfortable clothing that allows easy access to both upper limbs.
- Remain relaxed and follow positioning instructions during the examination.
- Keep the arms in the position instructed during the scan.
- Inform the sonologist if you experience significant pain or discomfort.
- Bring previous vascular imaging reports when available.
- Inform the medical team about previous vascular surgery, catheter placement, procedures, or treatment.

Safety Precautions

Colour Doppler ultrasound uses sound waves to evaluate blood flow and doesn't involve ionising radiation. In general, Ultrasound is considered safe when performed appropriately by trained professionals. A contrast dye is not normally necessary, nor are injections; the examination is non-invasive. Appropriate positioning and ultrasound techniques are used to evaluate venous blood flow, with attention to patient comfort.

When to Seek Medical Attention?

Get medical help if you notice sudden or large swelling of an arm, sudden or severe pain, unusual skin sensations of redness, warmth, or general pain or feeling 'unwell', or a change in skin colour or temperature of an arm. Colour Doppler of Both Upper Limbs Venous is conducted at Molecular Diagnostics and Therapy using suitable vascular ultrasound techniques, accompanied by trained medical supervision, with appropriate assessment of venous blood flow, patient safety, and comfort.