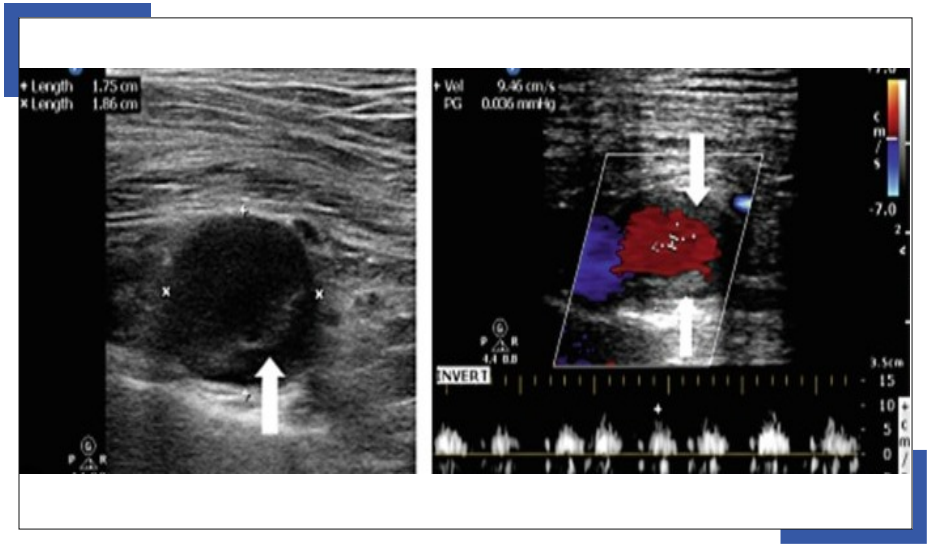
MOLECULAR
DIAGNOSTICS AND THERAPY
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Understanding
Colour Doppler - Both Upper Limbs - (Artery & Vein)



What is Colour Doppler - Both Upper Limbs - (Artery & Vein)?

Both Upper Limbs - (Arterial & Venous) Colour Doppler is a non-invasive ultrasound examination used to assess the arteries and veins in both arms. It combines conventional ultrasound with Colour Doppler and spectral Doppler techniques to better understand the structure of the blood vessels, direction, velocity, and other characteristics of blood flow. The examination may help evaluate abnormalities affecting arterial or venous blood flow.

Why is it Performed?

This examination may be indicated if one experiences arm pain, swelling, heaviness, numbness, changes in skin colour or skin temperature, or is suspected to have circulation problems. It can be used to evaluate blood clots, arterial narrowing or blockage, and other vascular irregularities like venous insufficiency. It can also be employed to follow up established vascular disorders, following some procedures, and when bilateral comparison of the upper-limb vessels is clinically

Preparation

- Usually, no special fasting is required.
- Wear loose and comfortable clothing that allows easy access to both arms.
- Inform the medical team about your current medicines and relevant medical conditions.
- Carry previous Doppler, ultrasound, vascular, or other relevant medical reports.
- Inform the sonologist about any previous vascular surgery, catheter

Procedure

The patient is positioned comfortably, with the arms accessible for examination. Gel is placed on the surface of the skin, and a handheld machine, called a transducer, is used to look at the arteries and veins on the arms as it is moved across the skin. A standard bilateral upper-limb arterial/venous Doppler focuses on the upper-limb vessels. Neck vessels are not routinely included unless specifically requested/indicated. Colour Doppler helps assess the direction and distribution of blood flow. Spectral Doppler provides information about blood-flow velocity and waveform characteristics. The examination is generally painless,

Important Instructions

- Remain relaxed and keep the arms still as instructed during the examination.
- Inform the sonologist if any area is painful or particularly sensitive.
- Follow any positioning or other instructions given during the scan.
- Inform the medical team about recent vascular procedures or catheterisation.
- Bring previous imaging reports for comparison when available.

Safety Precautions

Colour Doppler ultrasound uses sound waves and does not use ionising radiation. When performed by a trained professional, it is generally considered safe. Patients should let the doctors know of any relevant medical conditions, previous vascular surgery or procedures, and current symptoms. The examination is generally well tolerated and is performed with attention to patient safety and comfort.

When to Seek Medical Attention?

If you experience sudden or severe pain in the arm, rapidly increasing swelling, marked changes in skin, sudden arm numbness or weakness, and/or difficulty moving the arm, seek prompt medical attention. In the presence of swelling and/or pain in the arm, and chest pain, extreme dyspnea, fainting spells, or other acute symptoms, medical evaluation is urgent. Colour Doppler of Both Upper Limbs (Arterial & Venous) is carried out at Molecular Diagnostics and Therapy with suitable ultrasound and Doppler techniques, in a secure and convenient environment, under expert supervision, to evaluate the blood vessels and blood flow, with attention to patient safety and comfort.