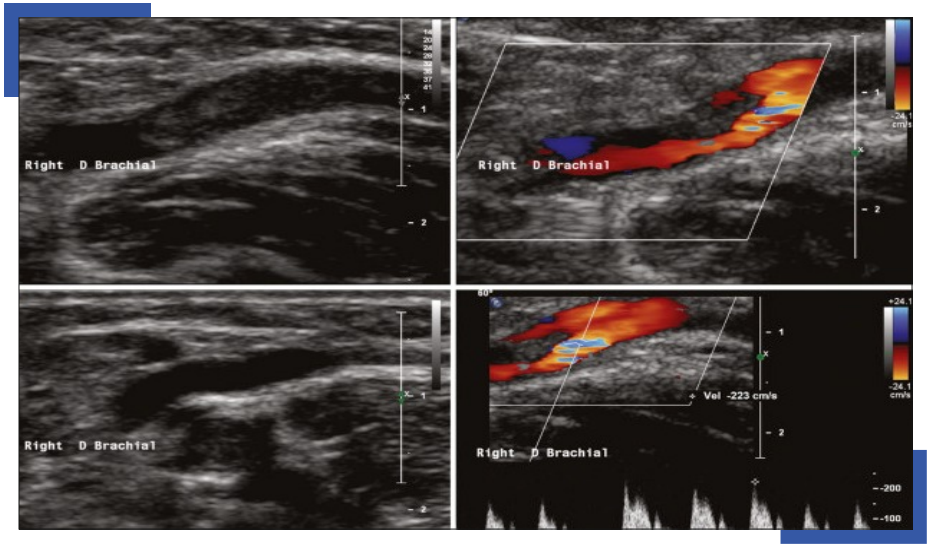
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Understanding
Colour Doppler - Both Upper Limbs Arterial



What is Colour Doppler - Both Upper Limbs Arterial?

Colour Doppler of Both Upper Limbs Arterial is a non-invasive ultrasound examination that is used to assess the arteries of both arms. It is a combination of conventional ultrasound with Colour Doppler and Spectral Doppler techniques for the evaluation of the structure of the arteries, direction and characteristics of blood flow, and arterial circulation.

Why is it Performed?

It may be performed when there are symptoms or clinical concerns related to arterial circulation in the arms. It may be used to assess decreased blood flow to an arm, narrowing or blockage of blood vessels, altered blood flow, pain, numbness, weakness, coldness, or other clinical signs or symptoms suggesting abnormal arterial circulation.

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 or procedure.

Procedure

The patient is positioned while comfortably lying on an exam table, and ultrasound gel is applied to the arms. The ultrasound probe is very gently moved from one place to another on both upper limbs to check the arteries. Blood velocity, flow, direction, and other arterial attributes are measured using colour Doppler and spectral Doppler techniques. Arteries in the upper arm, elbow, forearm, and wrist may be assessed as a part of the examination as might be required if the clinical need so dictates.

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, procedures, or treatment.

Safety Precautions

Colour Doppler employs sound waves, and there is no ionising radiation. It is generally considered safe when performed by trained professionals using appropriate ultrasound techniques in line with the correct ultrasound procedures. The examination is non-invasive and should not generally require the use of any injections or contrast agents.

When to Seek Medical Attention?

Seek medical attention for sudden or severe pain in an arm, significant swelling, numbness or weakness, marked coldness, or a sudden change in skin colour or temperature. Sudden loss of movement or sensation in an arm requires immediate medical evaluation. At Molecular Diagnostics and Therapy, Colour Doppler of Both Upper Limbs Arterial is performed using appropriate vascular ultrasound protocols and trained medical supervision, with attention to assessment of arterial blood flow, patient safety, and comfort.