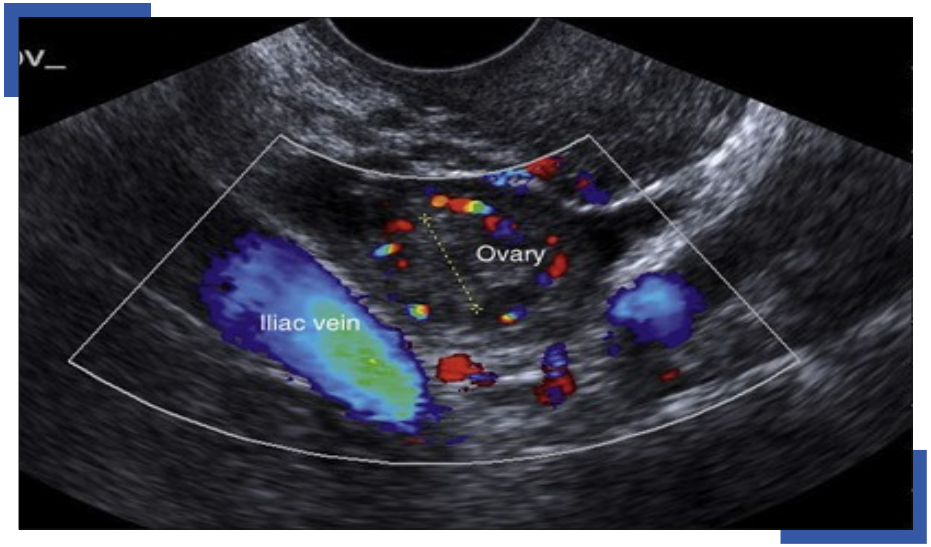
MOLECULAR
DIAGNOSTICS AND THERAPY
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Understanding
Colour Doppler - Pelvis



What is Colour Doppler - Pelvis?

Colour Doppler of the Pelvis involves a non-invasive ultrasound exam of blood flow in the blood vessels of the pelvis to determine the vascularity of various pelvic organs and assess various pelvic structures. It is a fusion of traditional ultrasound with Colour Doppler and Spectral Doppler techniques, gathering data regarding the direction, velocity, and nature of blood flow.

Why is it Performed?

This investigation may be carried out if blood supply to the pelvis is suspected or there are signs and symptoms of it. It can aid the assessment of malformations of the pelvic blood vessels, alteration of blood flow patterns, vascular obstruction, and hyper- or hypoflow to individual pelvic structures. In some cases, Colour Doppler is also able to measure vascularity related to pelvic masses.

Preparation

- Fasting may be advised when the examination includes assessment of certain abdominal or pelvic vessels.
- A comfortably full urinary bladder may be required for ultrasoundexaminations.
- Wear comfortable clothing that allows easy access to the lower abdomen and pelvic region.

Procedure

The patient lies on an examination table, and the gel is placed on the abdomen (over the pelvic area). The Doppler ultrasound probe is moved over the area being investigated to create images of the relevant pelvic structures and blood vessels. These techniques, called colour Doppler and spectral Doppler, allow examination of the direction, speed and flow of blood. The exam could be of individual pelvic arteries, veins, pelvic organs, or other pelvic structures, depending on the clinical situation.

Important Instructions

- Follow the preparation instructions provided for your specific examination.
- Maintain the required bladder filling if instructed.
- Follow fasting instructions when advised.
- Remain relaxed and follow positioning instructions during the scan.
- Inform the sonologist if you experience significant discomfort.
- Inform the medical team if you are pregnant or pregnancy is possible.

Safety Precautions

Colour Doppler is not based on ionising radiation and is made up of sound waves. When conducted properly by trained individuals utilizing imaging protocols, it's thought to be safe. This exam is not invasive and is not normally performed with an injection or with 'contrast,' a liquid that is used to capture images when the X-rays bounce off the object and off the body.

When to Seek Medical Attention?

Seek prompt medical attention for severe or sudden pelvic pain, heavy or unusual bleeding, fainting, severe abdominal or pelvic swelling, or other rapidly worsening symptoms. Sudden severe symptoms, particularly when associated with pregnancy, require immediate medical evaluation. At Molecular Diagnostics and Therapy, Colour Doppler of the Pelvis is performed using appropriate ultrasound and Doppler protocols under trained medical supervision, with attention to assessment of pelvic blood flow, patient safety, and comfort.