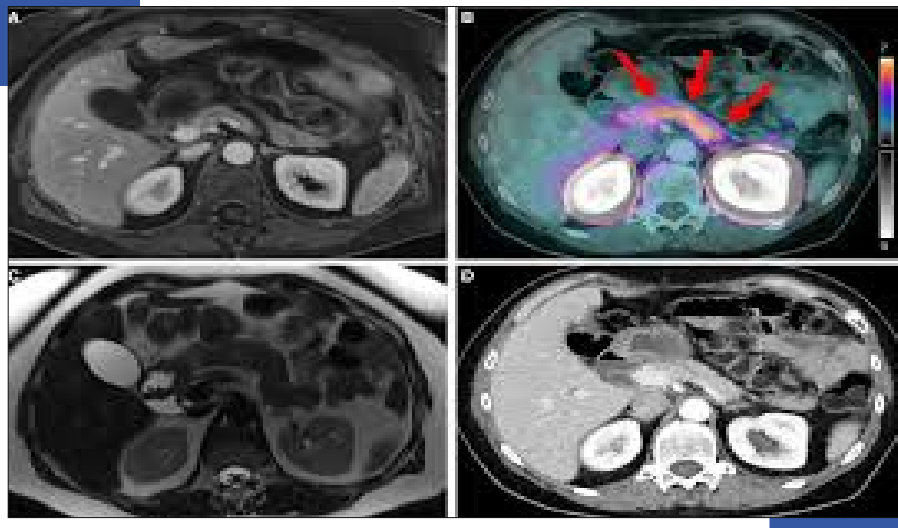




Understanding F-18 NOTA PET-CT Scan

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What is an F-18 NOTA PET-CT Scan?

F-18 NOTA PET-CT Scan is an advanced nuclear medicine imaging technique that merges PET and CT scans for information on cellular activity and body structures. A small dose of F-18 NOTA radiotracer is injected into the patient. The target for the tracer is somatostatin receptors that are found on some abnormal cells. PET reveals the distribution of tracer, and CT gives detailed anatomical images. The images work together to aid the physician in determining the condition of various parts of the body.

Why is it Performed?

This scan may be recommended when somatostatin receptor imaging is required, particularly for the evaluation of certain neuroendocrine tumours. It can help doctors identify receptor-positive areas, assess the extent of disease, look for possible spread, and monitor treatment response. Results are interpreted along with the patient's medical history and other investigations.

Preparation

- Inform the team if you are pregnant or breastfeeding.
- Inform the team about current medicines and relevant medical conditions.

- Follow any specific medication instructions provided before the scan.
- Drink water as advised by the medical team.
- Carry previous imaging, pathology, and laboratory reports.

Procedure

The prescribed F-18 NOTA radiotracer is administered through an injection. You will rest for a specified period to allow the tracer to distribute through the body. You will then lie comfortably on the scanning table, which moves through the PET-CT scanner. PET and CT images are obtained according to the required imaging protocol. It is important to remain still during scanning. The total procedure time may vary depending on the clinical requirement.

Important Instructions

- Follow all instructions given by the Molecular Diagnostics and Therapy team.
- Remain relaxed and avoid unnecessary movement during the procedure.
- Inform staff if you feel uncomfortable.
- Follow all medication and hydration instructions provided.
- Drink fluids after the scan if advised and not medically restricted.
- Follow all post-scan instructions given by the medical team.

Safety Precautions

F-18 NOTA PET-CT uses a prescribed radiotracer dose under trained medical supervision. Mild discomfort at the injection site may occur. Inform the team about pregnancy, breastfeeding, medicines, allergies, or other relevant medical conditions before the scan.

When to Seek Medical Attention?

If you experience unusual symptoms or have concerns after the procedure, inform your healthcare professional. F-18 NOTA PET-CT Scan is a specialised imaging procedure. Results should be interpreted by a qualified specialist along with your medical history and other clinical information. Molecular Diagnostics and Therapy provides patients with support and guidance throughout the procedure.