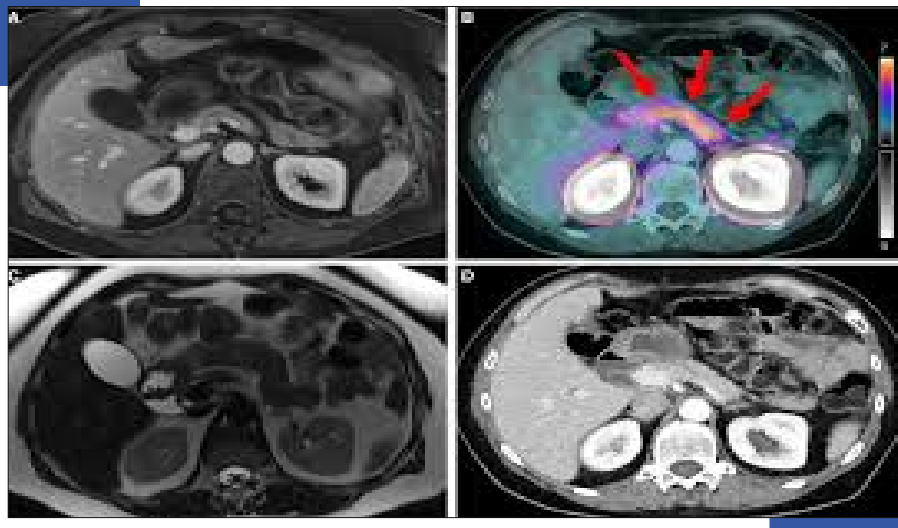




Understanding ¹⁸F-FDG Brain PET-CT Scan

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What is an 18F-FDG Brain PET-CT Scan?

An 18F-FDG Brain PET-CT Scan is a combination of PET and CT scans to get information about the brain from a functional point of view (PET) and an anatomical point of view (CT). The 18F-FDG tracer supplies information about the functioning of the various brain regions, while the CT supplies Anatomical information. The composite scan guides medical professionals to determine areas that need future investigation.

Why is it Performed?

This scan might be suggested to provide details about brain function, metabolism, or neurologic abnormalities. The results are compared with the patient's symptoms, medical history, clinical examination, and other tests performed to assist with the patient's clinical evaluation and additional care.

Preparation

Please provide medical history and medication details before the scan.

- Inform the team if you are pregnant or breastfeeding.
- Carry previous brain imaging, pathology, and laboratory reports.

- Inform the team about medicines and allergies
- Follow the advised food, water, fasting, and medication instructions
- Share any other relevant medical information

Procedure

A small amount of the 18F-FDG radiotracer is injected, and then a time is provided for the tracer to distribute and get to the brain. The patient then lies on a scanning table that translates through the PET-CT scanner. The procedure time is dependent on the scan protocol and the individual's needs.

Important Instructions

- Follow instructions from the Molecular Diagnostics and Therapy team
- Remain still during imaging.
- Inform staff if you feel uncomfortable.
- Follow preparation and post-scan instructions.
- Drink fluids if advised and not medically restricted.
- Take medicines only as instructed.

Safety Precautions

The radioactive tracer that is prescribed is given under medical supervision, and precautions are taken as required for the scan.

When to Seek Medical Attention?

Inform your health care provider if you notice any unusual symptoms or concerns after the scan. Inquire about medications, if pregnant or nursing, preparation, or aftercare. Brain PET-CT uses 18F-FDG, which is a specialised procedure performed by a qualified specialist at Molecular Diagnostics and Therapy.