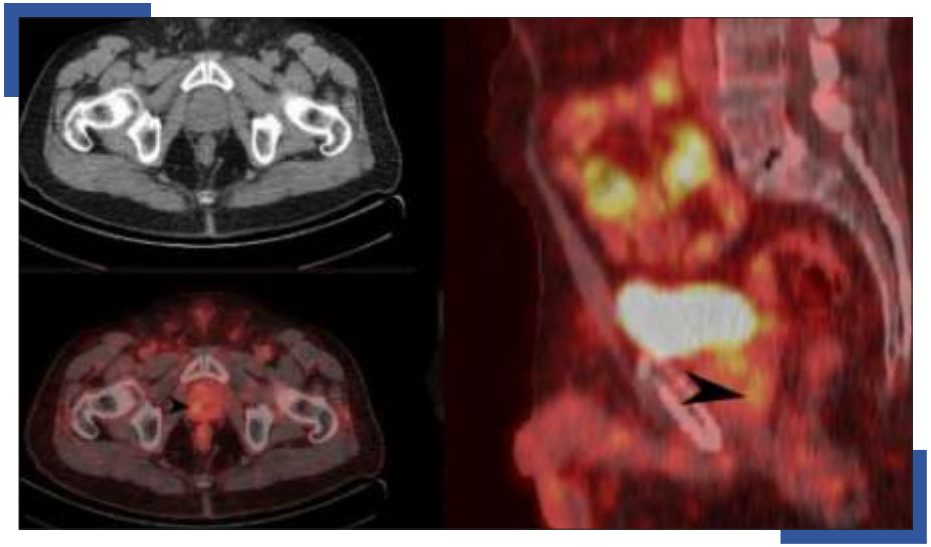
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Understanding
68Ga-PSMA PET-CT



What is 68Ga-DOTANOC Whole Body PET-CT?

A 68Ga-PSMA PET-CT is a very advanced imaging scan. This involves a radioactive tracer being injected into your body called Gallium-68 Prostate-Specific Membrane Antigen (68Ga-PSMA). This binds to the PSMA proteins found on prostate cancer cells to give detailed images of your body.

Why is it Performed?

This scan can help to identify prostate cancer and whether it has spread to your lymph nodes, bones, or other organs. It can also help to identify if it has come back, how well it is responding to treatments, and help plan treatments.

Preparation

- Inform the imaging team if you are pregnant, think you may be pregnant, or are breastfeeding.
- Share details of your current medicines, medical history and previous prostate cancer treatments.
- Carry previous PET-CT scans, PSA reports, biopsy reports and other relevant medical records, if available.

Procedure

A small quantity of radioactive Gallium-68 PSMA tracer is injected via a cannula, usually in your arm. You will be asked to wait for a certain amount of time to allow the tracer to travel through your body and bind to the PSMA proteins. Once this time has passed, you will lie on the scanning bed whilst images are taken using the PET-CT scanner. You must remain as still as possible to ensure clear images are obtained. The length of time will depend on the type of images needed.

Important Instructions

- Drink fluids as advised by the medical staff.
- Empty your bladder before the scan if instructed.
- Inform the staff if you feel uncomfortable during the injection or scan.

Safety Precautions

As you will be exposed to a small amount of radiation during this test (due to the radioactive tracer and CT), please advise us if you think you may be pregnant or breastfeeding. Please also advise us if you have any relevant medical conditions or have had any negative reactions to injections in the past. Our medical team will advise you on drinking lots of fluids. We will also advise you on any restrictions for pregnant women and young children.

When to Seek Medical Attention?

If you have any unusual symptoms, please speak to your doctor. If you are experiencing any difficulty breathing, facial/throat swelling, or any signs of anaphylaxis after the injection, please seek urgent medical attention. Please speak to a healthcare specialist regarding your scan results. This should be alongside your symptoms, PSA levels, medical history, and other tests. Molecular Diagnostics and Therapy support you throughout your diagnosis.