



The First

64 SLICE PET/CT SCANNER IN THE UAE

**Now Available At The American
Hospital Dubai For Comprehensive
Care Of Cancer Patients**



Organization Accredited
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PET/CT

PET/CT (Positron Emission Tomography combined with Computerized Tomography) is standard imaging tool that allow physicians to pinpoint the location of cancer within the body before making treatment recommendations. PET/CT is also used for assessment of memory disorders, seizures and other central nervous system disorders.

HOW IT WORKS

In case of suspected cancer, the patient is injected with radioactive sugar into the body through the vein. Cancer cells absorb sugar more quickly than normal cells, so they «light up» on the pictures created by the PET scanner. The CT scan shows anatomical data such as the size, shape, and location of a tumor. Generally, the scan includes nearly the entire body.

COMMON USES OF PET/CT

PET/CT scans are performed to:

- Detect cancer early.
- Determine whether a cancer has spread to the other parts of the body.
- Assess the early response to cancer treatment.
- Determine if a cancer has returned after treatment.
- Evaluate brain abnormalities, such as tumors, memory disorders and seizures and other central nervous system disorders.
- Cardiac Viability.

RISKS

Because the doses of radiotracer administered are small, this procedure results in very low radiation exposure, acceptable for diagnostic exams. Thus, the radiation risk is very low compared with the potential benefits. Allergic reactions to radiopharmaceuticals are extremely rare and are usually mild. Women should always inform their physician or radiology technologist if there is any possibility that they are pregnant or if they are breast-feeding their baby.

BEFORE SCAN

PET-CT technologist will give you detailed instructions on how to prepare for your scan. You should not normally have anything to eat for 6 hours before the scheduled exam. You can usually drink water, but you must not have any sugary drinks and sweet food. Unless you are told otherwise, you should carry on taking any medicines prescribed for you by your doctor.

DURING THE SCAN

You will lie very still on a comfortable table that will move slowly through the scanner as it acquires the information needed to generate diagnostic images.

AFTER THE SCAN

You can expect to resume your normal activities immediately after your PET-CT scan, including driving. You may be told to drink water to flush the contrast material and radioactive sugar out of your body. You can eat and drink as soon as the scan is over.

It is best not to be close to children for the rest of the day. This is to avoid exposing them to any radiation, although the dose is extremely small and it is just to be on the safe side. If you have had diazepam (Valium) before the scan you must not drive for the rest of the day, as it makes you drowsy.

THE RESULT

Usually a PET/CT specialist examines your scan and prepares the report. The report is usually sent to your physician within 24 hours.

ALTERNATIVES

This scan forms part of series of investigations your doctor will recommend for proper diagnosis and treatment. There is no equivalent scan to this procedure.

HOW TO FIND US

PET/CT section is located on the ground floor of the main building in the American Hospital Dubai.

Our Specialized Team

Dr. Shah Numani

MD Radiology, MD Nuclear
Medicine, Fellowship PET/CT,
American Board Certified.

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PET/CT

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