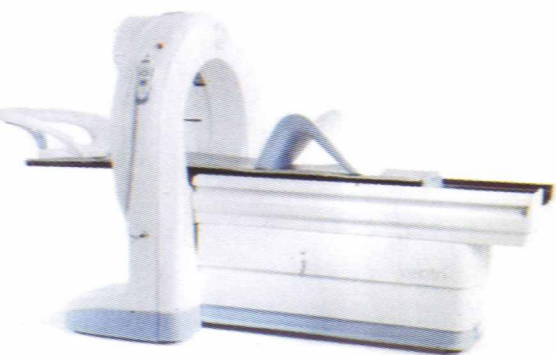


Myocardial Perfusion SCAN



**P. D. HINDUJA HOSPITAL
& MEDICAL RESEARCH CENTRE**

What is a Myocardial Perfusion Scan (MPS)?

Myocardial Perfusion Scan is a non invasive diagnostic test to assess the blood supply to different segments of the heart muscles. The procedure is done in two sittings.



Exercise study

The patient is given exercise on a bicycle or a treadmill and radioactive material is injected into a vein at the peak exercise. The a series of images of the heart are obtained for 30mints.

Rest study

Another set of images of the heart are obtained for 30 mins.

The radioactive material is SAFE, NOT allergic and FREE of side effects.

How does MPS work

The radio active isotope attaches itself to the red blood cells and is carried throughout the blood stream.

Radio active isotope can reach only those areas of the heart which have an adequate blood supply.

Hence no thallium will show up in the poorly perfused areas of the heart (**Cold spots**). These are ischemic areas which are detected at the very early stage, even before ECG shows changes.

Preparing for MPS

- Overnight (8 hours) fasting.
- The patient is allowed to have water.
- Chest preparation (Shaving) for males.
- No antidiabetic drug on the day of the study.
- No tea, coffee, alcohol, tobacco or smoking for 24 hrs before the test on the day of the study.
- After consulting your cardiologist, following drugs to be stopped.
 - Inderal, Ciplar or Betablocker for 48 hours.
 - Isopten & Nifedipine for 48 hours.
 - Monotrate, Sorbitrate & Angised for 24 hours.

What to bring

Please bring all your relevant medical reports (ECG, TMT, 2D ECHO, CAG, Angioplasty and CABG details) on the day of the study

Pregnant and Lactating woman are not advised to undergo this test

After your scan

- You can leave immediately only in rare cases, other set of images may be required
- You can resume your normal diet & prescribed medication after the study

- The MPS will be reviewed by a doctor & the report will be issued next day evening between 6:00pm to 8:00

Your MPS is scheduled for

Date: _____ Time: _____

MPS for

- Early detection of Ischemic Heart Disease
- Decide management by assessing the Haemodynamic significance of known coronary artery blocks.
- Improvement after a coronary angioplasty or bypass.

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