

MR-PET Screening & Information Form for Non-Fasting Studies

MBI-FRM-C004-V3

Please complete **BEFORE** scan and bring with you to MBI on the day of the scan

WHAT IS MR-PET? ARE THERE ANY RISKS?

An MR-PET scanner is a scanner that combines both MRI and PET imaging simultaneously. Magnetic Resonance Imaging (MRI) uses radio waves and very strong magnetic fields to make detailed pictures of the inside of your body. There are no known harmful effects from either the radio waves or the magnetic field.

However, some people have electronic devices (such as cardiac pacemakers), metal fragments in the eye, or surgically implanted metal objects, which could be badly affected by the strong magnetic field.

Positron Emission Tomography (PET) is a highly sensitive molecular imaging technique that uses small amounts of radioactive tracers. These tracers are given by injection, usually into a vein in the arm. The MR-PET scanner is used to obtain images showing the distribution and location of the tracer within the body.

There are no after-effects from an MR-PET scan. The amount of radioactivity used for the scan is small and the chance of any side effects is very low.

If there is a chance you may be pregnant or you are breast-feeding you must tell the researcher and nuclear medicine technologist. You MUST NOT attend your appointment with pregnant people or children. It is important to limit close contact with pregnant people and young children for 6 hours after your injection.

PREPARATION

Attached is a detailed safety questionnaire to help us decide if there would be any risk to you during an MR-PET scan. Please fill this in and call MBI reception if you answer YES to any question on (03) 990 50100 before your scan appointment.

If you have participated in any research involving the administration of a radiopharmaceutical before, please let us know when, where and what the study was conducted for.

Otherwise no special preparation is necessary – please eat, drink and take your usual medications normally. Wear comfortable clothes. Do not use makeup or hairspray if you are having a scan of the head, face, or neck.

NOTE: Metallic fibres are often incorporated within fabrics in sports clothing/activewear. These can heat up and cause burns during the scan. You will be asked to change if you wear these types of clothes to your scan.

WHAT WILL HAPPEN?

We will review the questionnaire sheet with you to discuss any possible risks. We will then explain the procedure to you, and will be able to answer any questions you may have. *You can also ring us in advance – (03) 9905 0100*

Before you enter the MR-PET scan room you will be asked to take off your watch and any metallic jewellery. You may be asked to change into a hospital-style gown. Items such as CREDIT CARDS, and MOBILE PHONES MUST NOT be brought into the scan room – they may be severely damaged, and may also be hazardous to other persons in the room. A locker will be provided for safe keeping of such objects, other valuables, and clothing.

A needle will be inserted into a vein in your arm. The radiotracer will then be administered and scanning may either commence immediately or after a resting period of between 30 and 60 minutes depending on the study you are involved in. Most scans take between 30 to 90 minutes.

The MR-PET scanner looks like a large metal doughnut. The table on which you lie passes through the middle of the scanner. The part of the body being imaged must be positioned at the centre of the scanner. Cushions and pillows will be provided to make you comfortable on the table, and mirrors will be positioned to allow you to see out of the scanner.

During the scan, it is important that you keep as still as possible. You will hear various noises during the scan - these are quite normal. They are sometimes quite loud, and earplugs will be provided to protect your ears.

The radiographer and researcher will use the system to communicate with you between the scans and you will also have access to a buzzer if you require immediate attention.

AFTER THE TEST

Once the scan is completed, you will be free to go. There will be no after-effects from the scan. You may drive and resume normal activities after an MR-PET scan. Although the MR-PET scans are setup for the individual research projects and not chosen to show clinical information, they will be viewed and reported by a radiologist and a nuclear medicine physician. ***It is important to limit close contact with pregnant people and young children for 6 hours after your injection.***

PARTICIPANT DETAILS:

Given Names: Surname:

SEX: M / F Date of Birth:/...../..... Phone:

Address:

Suburb.....Post Code.....

Height (cms) Weight (kgs).....

RESEARCHER & MBI STAFF TO COMPLETE:

Researcher's Name: Scan Region: Brain Other:.....

MBI Project ID: XNAT Subject ID Session Number:

Weight: Kg Height :cm

TO ENSURE YOUR SAFETY & COMFORT PLEASE ANSWER THE FOLLOWING:
PET SAFETY SCREENING INFORMATION
MEDICAL HISTORY:

PET procedures involve the injection of small doses of radioactive pharmaceuticals. The risks of these procedures are very small and are similar to having other radiology procedures like a CT scan. However the effect on an unborn child is not fully understood. Therefore, it is best not to perform these procedures in pregnant people.

Please think carefully as to whether you may be pregnant.

Are you pregnant, suspect you may be pregnant or breastfeeding?NO / YES

Have you had an operation, procedure chemotherapy or radiotherapy within the last 8 weeks.....NO / YES

If YES please give details:.....

.....

Do you have Diabetes.....NO / YES

If YES what medication do you take: Oral IV

Medication Name.....

What is your average Blood sugar level?.....mmol/L

Any Allergies.....NO / YES

Any Urinary Problems.....NO / YES

Any inflammation or infections.....NO / YES

Do you have a current radiation user licenceNO / YES

In the past 12 months have you had a PET or CT scan?NO / YES

NUCLEAR MEDICINE TECHNOLOGY STAFF

Cannulation Site

Correct Procedure (including verification of Justified exam) YES NO

Print name Signature Date / /



MR SAFETY SCREENING INFORMATION

Have you ever had any eye injury caused by metal? NO / YES
If YES:

- Did you see a doctor at the time? NO / YES
Did they remove the foreign body? NO / YES
Did they tell you that they got it all out? NO / YES
Was this the last injury involving metal? NO / YES

Are you pregnant, suspect you may be pregnant or breastfeeding?.. NO / YES

HAVE YOU EVER HAD AN OPERATION ON YOUR:

- Heart or Chest NO / YES
Brain NO / YES
Eyes NO / YES
Ears NO / YES
Spine NO / YES

DO YOU HAVE OR HAVE EVER HAD:

- A Cardiac pacemaker or defibrillator NO / YES
A cardiac valve replacement or cardiac loop recorder or stent or wire NO / YES
Abdominal aneurysm repair or IVC filter NO / YES
Brain aneurysm clips NO / YES
Deep brain stimulator NO / YES
Brain shunt tube NO / YES
Cochlear or stapes implants or grommets NO / YES
Implanted drug infusion devices NO / YES
Neuro or bone growth stimulator NO / YES
Shrapnel bullet or gunshot NO / YES
Any vascular, oesophageal or biliary stents NO / YES
Any surgical clips, wire sutures or mesh NO / YES
Any joint Replacements, plates, screws or Prosthesis NO / YES
Ocular prosthesis (eye implants) NO / YES

DO YOU HAVE:

- A Swan-Ganz Catheter NO / YES
Skin patches NO / YES
Intrauterine device (IUD) NO / YES
A penile prosthesis NO / YES
Any other implant, including a breast tissue expander NO / YES
Tattoos (including eyelids and eyebrows) NO / YES
Hearing Aid/s NO / YES
Removable dentures NO / YES
Any piercings, braces or retainers that CANNOT be removed NO / YES
Hair extensions NO / YES
Glucose monitoring patch for diabetes NO / YES

Have you had an operation or procedure within the last 8 weeks..... NO / YES

Have you had a previous MRI or PET Scan NO / YES

IF YOU ANSWERED YES TO ANY QUESTIONS PLEASE PHONE MBI RECEPTION ON (03) 99050100 BEFORE ATTENDING

Name..... Date of Birth: / /

Signature Date / /

If not completed by Subject, the name of the person completing the form

Relationship to the Subject Contact number

MBI / MRI Staff
Print name..... Signature Date / /