

## Information About Your FDG PET Scan

### Why do I need a PET-CT scan?



Hello. I am Dr. PET. I would like you to have a PET-CT scan so I can use radiation to see inside your body and find out how to make you better. Lots of problems can be seen from outside the body, but not organs.

### What is radiation?

Hi! I am Dr. CT.

Radiation are waves of energy that move like sunrays, but they have more energy. The scanner then sees how this energy moves within your body.



### Radiation Risks

Too much energy can be a bad thing. Your growing body is more sensitive to radiation than in adults, so the radiation can change your body's instructions for growing later in life.

However, this scan uses a small amount of radiation and the risk attached to this is low.

PET-CT scans are only ever needed when the benefit of seeing inside your body is greater than this risk. We give you the smallest amount of radiation we can to produce a good picture for the doctors.

### What will happen during my PET-CT scan?

- You will be met by a member of the team who will be looking after you during your PET-CT scan.
- They will explain what it is for and what they will do.
- They will take a small blood sample and then you will be injected with a small amount of radiation.
- You will then rest quietly for **1 hour** while the injection is absorbed into your body.
- You will be asked to go to the toilet to pee before the scan.
- You will then be asked to lie still on the scan bed so that the medical team can take pictures of different parts of your body.
- The scan will take **30-45 minutes**.
- When you are in the scanner, the member of the medical team looking after you will be able to see and hear you throughout, but will not be in the same room as you.

## Information for Patients

- You will be in the PET Centre for approximately **2-3 hours**.
- When the scan is finished, the pictures from the scan will be sent to your doctor. The doctor will then tell you what to do next.



Help Dr. PET and Dr. CT find the words below!

M Y O M L L H W R T E M Y P Q  
P U Y Y V Q J F P D V X R O H  
T I I M A G E V N A I R F T H  
H X C N F Z V U I T T A W A A  
U Q X B A H O O B C C Y X S V  
R E H P A R G O I D A R L S S  
I C J D G J U H N V O Z S I E  
V M O K R A D I A T I O N U U  
M S C S B Y A H E Z D W G M S  
E A W D M O T P F I A R P Y S  
B H D K E I N L K A R M G G I  
Y O T R O T C E T E D R D Q T  
Y M O Q F W D R S Z E A H R F  
F J J K Z C M Q A N W A E G H  
F N T H W X V L E Y O Q O B S

Background
Bones
Cosmic ray
Detector
Dose
Energy
Potassium
Radiation
Radioactive
Radiographer
Tissues
Uranium
X-ray

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