PET Scan (Brain only)
Patient Instructions

How to Prepare
- Do not eat or drink anything except plain unflavored water within 6 hours of your appointment. (If you are diabetic, please see instructions below for diabetic patients.)
- Avoid heavy physical activity, such as running, working out, sports, yoga, and deep massages, in the 24 hours before your scan.
- Drink 1-2 cups of plain water (not sports drinks or flavored water) before the scan.
- Take any prescription medications at the normal time (unless you are diabetic; see below).
- IMPORTANT: Do not take liquid medications containing sugars or artificial flavoring during the fasting period. If you will be taking Valium, Ativan, or any medication that may impair your ability to drive, you MUST have a plan to get home without driving.
- Please try to avoid wearing metal (jewelry, belts, etc.), otherwise these items will need to be removed prior to the scan.

Diabetic Patients
- If you are diabetic, do not eat or drink anything except plain unflavored water within 4 hours of your appointment. High or low glucose levels can affect the PET scan result.
- Please schedule your appointment for a time of day when your blood glucose would usually be less than 150.
- If you take insulin or oral medications that increase insulin release, schedule the scan so that you will not need to take insulin or oral medications within 4 hours of your appointment. Other anti-diabetic medications should be taken when you normally would. Our nurses can help you with this.

What to Expect
- A nuclear medicine technologist will explain the scan, take your height and weight, and answer any questions you may have about the exam.
- A small IV (intravenous needle) will be placed in an arm vein. A small amount of blood will be taken to measure your blood glucose, followed by the injection of the radioactive tracer. The injection of the radioactive tracer has no side effects and is painless.
- You will be asked to rest quietly in a private room for 60 minutes. After the resting period, you will be asked to empty your bladder before the scan.
- The PET/CT scan itself takes 15 minutes to complete.
- Friends and family members are welcome to wait in our waiting area during your scan.
- In some instances the scan may need to be repeated 3 hours after the tracer was injected.

Pregnant Women and New Mothers
- Generally, PET/CT scans are NOT performed on pregnant women. If you are pregnant or think you could be pregnant, discuss this with your physician.
- If you are breastfeeding, you should not breastfeed for 24 hours after the scan. Nursing mothers are encouraged to pump and store milk before being injected with the radioactive tracer.

After the PET/CT Scan
- For 24 hours after your scan, limit the amount of time you are in close contact with children and with pregnant or potentially pregnant women.
- Drink plenty of fluids and empty your bladder often after the scan.
How to Find Us

**Longwood Campus (Boston)**
Nuclear Medicine is located on level L2 of the Dana building. To get to Nuclear Medicine from Dana-Farber’s parking garage or any floor of the Yawkey Center for Cancer Care, please use one of these route options.

A. **From level P2 of the parking garage:**
   1. Walk through the Tomsich Family Gallery (gene display) to reach the Dana building.
   2. Turn left after the Tomsich Family Gallery to find the Nuclear Medicine reception desk.

B. **From the 3rd floor of the Yawkey Center for Cancer Care:**
   1. Cross the PMC Bridge to reach the Dana building.
   2. Take a Dana building elevator down to level L2, where you’ll find the Nuclear Medicine reception desk.

**Chestnut Hill Campus (Newton)**
Nuclear Medicine is located on the 3rd floor. Enter the parking garage on Boylston Street and park on level P3. Take the Boylston elevators to the 3rd floor and check in at the desk.

For driving directions to Dana-Farber, visit [www.dana-farber.org/directions](http://www.dana-farber.org/directions) or call 617-632-3400.

**Questions?**
A staff member will call you to review these instructions and answer any questions about 1-3 days before your scan. If you need to reschedule your appointment, call Nuclear Medicine at 617-632-3223.