



GE HealthCare

Understanding imaging with DaTscan:

What it is, why it's ordered, and what to expect

Information for patients,
families, and caregivers

DaTscan[™]
Ioflupane I123 Injection

Please see last page for DaTscan Important Safety Information and link for full Prescribing Information.



Why your doctor recommended a DaTscan



Your doctor may recommend imaging with DaTscan if you have movement difficulties or changes in memory that may be connected to changes in a brain area that helps control movement and memory. This type of brain imaging may further assist in diagnosis.



Because symptoms can have different causes, imaging with DaTscan helps your doctor gather more information about whether your symptoms may be associated with changes that might have occurred in your brain.



By adding this information to your clinical diagnosis, your doctor may be able to provide a more accurate diagnosis and plan the right next steps.

How DaTscan works

DaTscan is an **imaging agent** used to take pictures of your brain.

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A small amount of agent is administered via a vein in your arm, allowing pictures of your brain to be collected.

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After a waiting period, a special camera called a **SPECT scanner** takes pictures.

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These images and your symptoms may help your physician to better understand your diagnosis.

.....

The scan shows patterns of activity. It does not diagnose a disease on its own.



- A SPECT scanner is a gamma camera that uses special imaging techniques to take photos of DaTscan localization in the brain.
- The DaTscan highlights dopamine transporter activity in the striatum, and the SPECT scanner takes pictures of the brain where the striatum is located.



How DaTscan fits into your care plan

- ✓ Imaging with DaTscan is **one piece of your diagnostic journey**. It can help your doctor see whether your symptoms may be associated with changes in the brain's dopamine activity.
- ✓ The images are reviewed by a **radiologist** (a doctor who specializes in reading scans).
- ✓ The report is sent to your **neurologist**, who considers the results alongside your medical history and physical exam.
- ✓ Together, these pieces help your care team make informed decisions about your treatment or next steps.

Conditions that may affect dopamine

- Parkinson's disease
- Multiple System Atrophy (MSA)
- Progressive Supranuclear Palsy (PSP)
- Dementia with Lewy Bodies
- Others*

*The scan cannot tell which Parkinsonian syndrome a person has. It simply provides more information for your doctor to consider alongside other findings.



Exam + Medical History + DaTscan = Next steps in care

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What to expect on the day of the scan



1.

Before your scan:

You'll take medication by mouth about an hour before the DaTscan injection to protect your thyroid gland from absorbing radiation.



2.

The injection:

A small amount of DaTscan is injected into a vein in your arm.



3.

Waiting period:

After the injection, you'll wait about 3-6 hours for your brain to pick up the DaTscan. Your care team will tell you if you can eat, drink, and take regular medications during this time.



4.

The scan:

You'll be asked to lie still during the imaging, which takes about 30 minutes. The camera comes close to your head but does not touch it.



5.

After the scan:

Stay hydrated for a day or two to help your body clear DaTscan.

This brochure summarizes key points from the Prescribing Information. It is for educational purposes only and is not a substitute for professional medical advice. Patients should consult their physician for personalized recommendations and follow their doctor's guidance at all times.

Our technologists will help you stay comfortable.

After the scan & next steps



Your neurologist will receive your DaTscan results soon after your scan.



You'll have a follow-up discussion to go over the findings and what they mean for your diagnosis or treatment plan.



Remember: Imaging with DaTscan is **one part** of understanding your symptoms and finding the right path forward.



Stay hydrated for a day or two after the scan to help your body clear DaTscan.

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Details about DaTscan (Ioflupane I 123 Injection)

DaTscan is a radioactive drug that is injected into your bloodstream so that images can be taken with a single-photon emission computed tomography (SPECT) camera. If you are an adult with changes in movement or memory, your doctor may decide to order this imaging test, along with other medical tests and clinical exams, to help decide if your symptoms may be connected to changes in a brain area that helps control movement and memory.

Clinicians use the results of DaTscan imaging to inform clinical diagnosis.

DaTscan is available only by prescription and may be ordered by your doctor.

Important Safety Information About DaTscan *(continued on next page)*

You should not be given DaTscan if:

- You are sensitive to any of the ingredients of DaTscan. Talk with your doctor; he or she can help you understand what the drug ingredients are

What is the most important information you should know about DaTscan?

- **Allergic and injection-site reactions** could occur following a DaTscan injection. If you have any symptoms of an allergic nature, including low blood pressure; trouble breathing; throat tightness; swelling of your face, lips, or tongue; or rash and itching, inform your doctor or go to your nearest emergency room right away
- **To help decrease the amount of thyroid exposure to radiation:** Your doctor will give you a medication at least one hour before you receive DaTscan. The purpose of this medication is to minimize the amount of radioactive iodine going into your thyroid gland
- **Pregnancy:** Clinical studies have not been conducted with DaTscan on pregnant women. Any radioactive drug, including DaTscan, may cause harm to the fetus. If you are pregnant or think you may be pregnant, talk to your doctor about whether receiving DaTscan is appropriate

- **If you are a nursing mother,** talk to your doctor about interrupting nursing after receiving DaTscan or not to receive DaTscan at all. If you receive DaTscan, pumping, and discarding breast milk for at least six days after receiving DaTscan can reduce the risks of radiation exposure to your nursing infant
- **If you have kidney and/or liver problems:** The effects of kidney and or liver damage from the use of DaTscan are not certain. DaTscan is removed by the kidney, and patients with severe kidney problems may have increased radiation exposure. Tell your doctor if you have reduced kidney or liver function
- **Children:** DaTscan is not approved for use in children

The most common side effects of DaTscan:

- The most commonly reported side effects include injection-site pain, headache, nausea and upset stomach, dry mouth, skin rash, hives, or dizziness

Please see next page for DaTscan Important Safety Information and link for full Prescribing Information.



Important Safety Information About DaTscan *(continued)*

What you should know about taking DaTscan with other medications:

- Be sure to tell your doctor what drugs, including any over-the-counter medications, you are taking so that he or she can decide whether you should stop taking any of them for a period of time before using DaTscan

Questions about the procedure:

- Always talk with your doctor if you have any questions about the SPECT imaging procedure or the use of DaTscan

Your doctor should advise you to:

- Drink plenty of water prior to and after receiving DaTscan, and go to the bathroom frequently for the first 48 hours after receiving DaTscan

The safety information included here is not comprehensive. If you have any questions, please be sure to discuss them with your doctor.

For more information about DaTscan, call GE Healthcare Customer Service at 800 292 8514.

To report SUSPECTED ADVERSE REACTIONS, contact GE Healthcare at 800 654 0118 (option 2, then option 1), or the FDA at 800 FDA 1088 or www.fda.gov/medwatch.

Please scan QR code for Full Prescribing Information for DaTscan.

