

Frontotemporal Dementia

Alzheimer's Disease

## Your PET/CT Exam

### What It Is

Positron Emission Tomography (PET) and Computed Tomography (CT) are both imaging tools that physicians use to diagnose disease. The PET scan demonstrates the function of the organs, while the CT scan provides physical, anatomic information about the body part affected, such as size and shape. At the Lou Ruvo Center for Brain Health, we use PET frequently to help us diagnose causes of memory loss, such as Alzheimer's disease.

Not just for brains, Cleveland Clinic Lou Ruvo Center for Brain Health's PET/CT is available to diagnose and identify other diseases, including cancer, throughout the body. By tapping into the capabilities of this state-of-the-art technology, your physician can determine the extent of disease as early as possible, prescribe treatment and track changes.

## Contact Us



Cleveland Clinic Lou Ruvo Center for Brain Health  
888 West Bonneville Avenue, Las Vegas, NV 89106

To schedule an appointment, please call **888.370.8933**

To learn more about our center,  
visit [clevelandclinic.org/brainhealth](http://clevelandclinic.org/brainhealth)

## About Us

### Cleveland Clinic

Cleveland Clinic is a nonprofit, multispecialty academic medical center, consistently ranked among the top five hospitals in America by U.S. News & World Report. Founded in 1921, it is dedicated to providing quality specialized care and includes an outpatient clinic, a hospital with more than 1,300 staffed beds, an education institute and a research institute. [clevelandclinic.org](http://clevelandclinic.org)

### Cleveland Clinic Lou Ruvo Center for Brain Health

Cleveland Clinic Lou Ruvo Center for Brain Health provides state-of-the-art care for neurodegenerative disorders and for the family members of those who suffer from them. Clinical trials and development of new therapies are important themes of the center. The physicians and staff at the Lou Ruvo Center for Brain Health continuously work towards the development of early diagnosis and the advancement of knowledge and treatments concerning neurodegenerative disorders, which could one day delay or prevent their onset. Patients receive expert diagnosis and treatment at the Lou Ruvo Center for Brain Health, which offers a multidisciplinary patient-focused approach to diagnosis and treatment, promoting collaboration across all care providers, offering patients a complete continuum of care and infusing education and research into all that it does. [clevelandclinic.org/brainhealth](http://clevelandclinic.org/brainhealth)



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Lou Ruvo  
Center for  
Brain Health

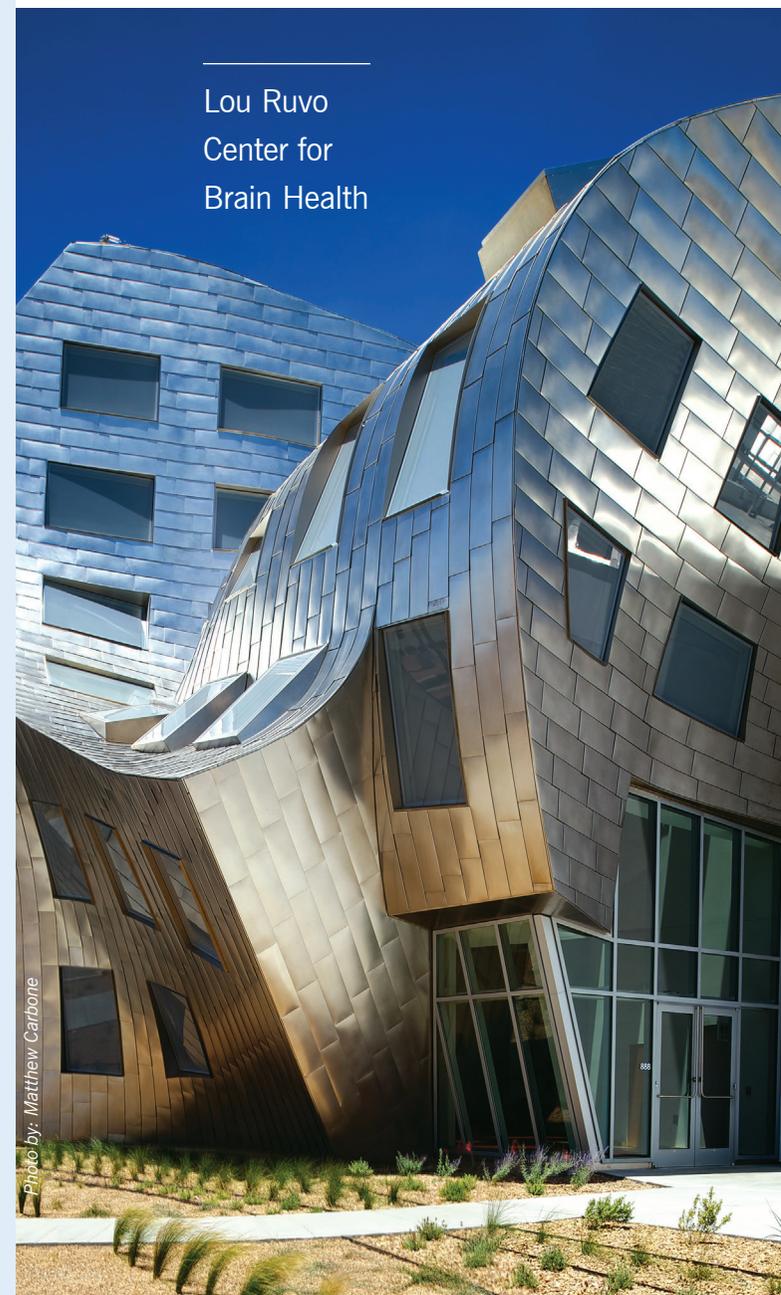


Photo by: Matthew Carbone

## About The Exam

### What to Expect

Cleveland Clinic staff is specially trained to make sure every individual has a comfortable imaging experience. Any special medical needs you may have will be addressed, and any questions you have will be answered.

A PET/CT scan is painless, with no side effects. After fasting overnight, you will receive an injection of a very small dose of a radioactive chemical, or radiotracer. After the 30-60 minute resting time is complete and the tracer is active, you will be asked to lie on a table that passes slowly through the scanner.

When making your appointment, you will be notified of the time necessary for the scan, which depends on the type of study being done.

### The Day of Your Appointment

When you arrive, check in with reception and complete any necessary paperwork. A technologist will review your health history. If there is a possibility of pregnancy, or if you are currently breastfeeding, please notify the technologist.

After the scan is complete, you may leave. The radioactive tracer that was injected will be eliminated naturally, so you may return to your normal activities.

The results of your procedure will be sent to your physician or any other provider you authorize.

In order to receive the best test results, please tell our scheduling staff if you have had treatment or surgery. If you have diabetes, please call 702.483.6000 and ask for a nuclear medicine technologist. You will receive instructions regarding fasting and/or medication.



### Why You Can Expect More

Not all imaging services are the same. Cleveland Clinic Lou Ruvo Center for Brain Health imaging services are backed by the full resources of Cleveland Clinic, a recognized world leader in medicine, ranked among the nation's top hospitals by *U.S. News & World Report*. Cleveland Clinic is a world-class academic center, as well as a designated national referral center and international health resource. Patients around the world routinely select Cleveland Clinic for second opinions and treatment of complex or multiple medical problems.

Cleveland Clinic's Imaging Institute is staffed by board-certified, academically trained subspecialty radiologists. Collectively, they interpret more than 1.5 million exams per year.

### Patient Checklist

#### The day before your exam:

- If canceling or rescheduling, it is important to notify your exam location 24 hours before your scheduled time because a special radioactive tracer must be ordered for your exam
- No strenuous exercise
- Eat a high-protein/low-carbohydrate dinner
- Drink at least three to five glasses of water
- Continue all medications unless notified by your doctor. Consult a physician if you have questions

#### The day of your exam:

- Drink at least three glasses of water
- No food or drink, other than water, after midnight
- Wear comfortable clothing free of metal (e.g., snaps and zippers). Workout clothes are ideal
- Please make sure to share with us any recent radiology scans and reports and your physician's imaging order