

WHAT IS MDCT?

Multi-detector computerized tomography (MDCT), "CT" or "CAT" scan are terms for a diagnostic imaging procedure that uses a combination of x-rays and computer technology to produce very detailed cross-sectional images or "slices" of the body.

With an MDCT scan, a radiologist can see the location, nature and extent of many different diseases or abnormalities inside the body. Richly-detailed data can be captured about almost any body organ, such as the liver, pancreas, intestines, kidneys, adrenal glands, lungs and heart, as well as the blood vessels, abdominal cavity, bones and spinal cord.

WIS offers one of the most advanced MDCT scanning systems available. Our technology provides faster, higher-quality image acquisition with less radiation exposure. In fact, while the time allotted for your procedure may range from 10 to 30 minutes, the actual time spent scanning the body part being imaged is on average 20-30 seconds.

When you come to WIS for your MDCT exam, be assured that our skilled and compassionate staff will be dedicated to your care, comfort and safety.



Our MDCT scanner's large opening, fast imaging speed and an automatic radiation reduction mode offer patients the best of today's technology.

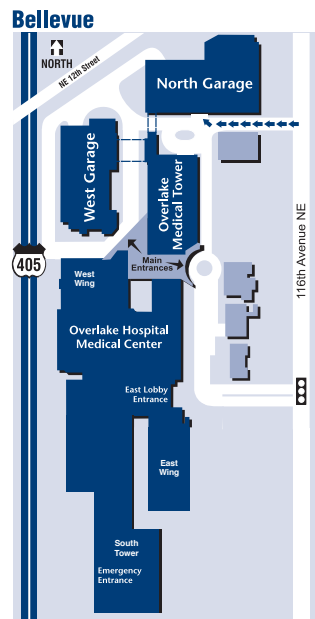
HOW TO FIND US

WIS in Bellevue

Overlake Medical Tower
1135 116th Ave. N.E.
Suite 260
Bellevue, WA 98004
425.688.0100

Southbound
Exit I-405 at N.E. 8th St., eastbound. Merge to the left lane and turn left (north) at 116th Ave. N.E. Go past the next light and turn left at signage toward hospital parking. Turn right into the North Garage. Take the elevator to the street level and walk across the street to the Overlake Medical Tower. WIS is straight ahead down the hall.

Northbound
Exit I-405 at N.E. 4th St. Turn right on N.E. 4th St. and turn left on 116th Ave. N.E. Go past two lights and turn left at signage toward hospital parking. Turn right into the North Garage. Take the elevator to the street level and walk across the street to the Overlake Medical Tower. WIS is straight ahead down the hall.

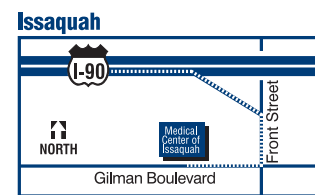


WIS in Issaquah

Medical Center of Issaquah
450 N.W. Gilman Blvd.
Suite 105
Issaquah, WA 98027
425.688.0100

Eastbound
Take the I-90 exit #17 and merge south onto Front St. Turn right on Gilman Blvd. Turn right into the Medical Center.

Westbound
Take the I-90 exit #17. Turn left onto Front St. Turn right on Gilman Blvd. Turn right into the Medical Center.



www.washingtonimaging.com

MDCT

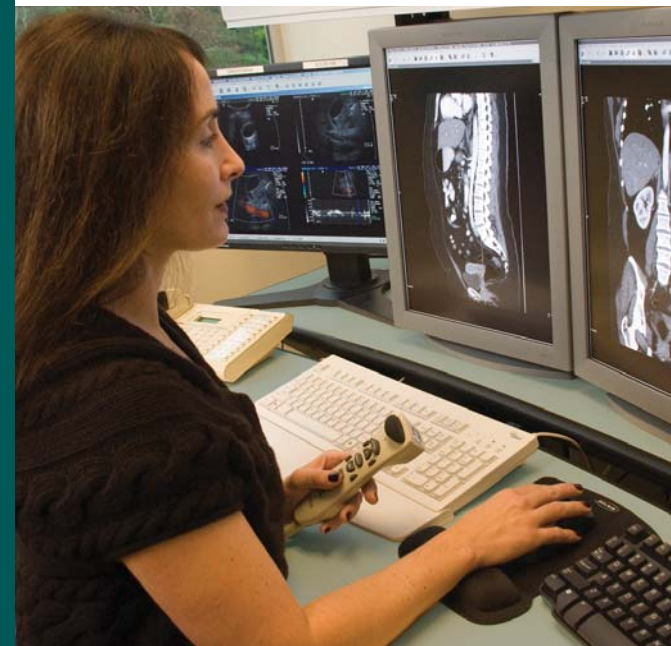
IT STARTS WITH A QUESTION

Because your doctor needs more information about your condition to guide your care, you have been referred to Washington Imaging Services for a diagnostic exam.

You are in good hands.

We make your comfort and safety the focus of our concern. Our technologists specialize in using today's most advanced imaging equipment to efficiently and caringly capture the detailed anatomical images needed for accurate diagnosis and treatment planning.

Then, one of our board certified radiologists with subspecialty training will interpret your exam and promptly report the results—giving you and your doctor a clearer, more accurate picture of your health.



MULTI-DETECTOR COMPUTED TOMOGRAPHY



IMAGING FOR ANSWERS

We understand that diagnostic tests and the reasons for having them may make you feel anxious. This brochure will help answer some of the most frequently asked questions about having an MDCT exam.

If you need additional help or information, please call us at **425.688.0100**.

You will also find detailed information on our website at www.washingtonimaging.com.



WASHINGTON IMAGING SERVICES, LLC

How is the exam performed?

A WIS technologist will help position you comfortably on a cushioned table. The table top will move through a gantry (shaped like a big donut) that has an x-ray tube on one side and an arc-shaped detector mounted on the opposite side. During each full rotation, a fan-shaped x-ray beam is passed through your body and an image of a thin section is acquired. The detector records about 1,000 images or slices of the expanded x-ray beam per rotation.

A computer reconstructs the slices into two-dimensional (cross-sectional) and/or three-dimensional images of your internal anatomy. Normally, an entire scan can be done with a single breath hold.

Some MDCT studies require a contrast material to enhance the visibility of certain tissues or blood vessels. The contrast is given either through the mouth or injected through an I.V. in your hand or arm. You may feel a warm, flushed sensation and experience a metallic taste in your mouth that lasts for a few minutes. If your exam requires a contrast agent, you will be given complete instructions in advance.

Depending on the type of study, an MDCT scan can take between 10-30 minutes. A technologist will be available to you at all times during the procedure to answer questions and provide comfort.

What should I wear?

Wear comfortable clothing without zippers, snaps or metal buttons. Or, you may change into a hospital gown or scrubs after arriving. Please leave all your valuables at home. All jewelry and any metal objects must be removed prior to the exam. A lockable storage space will be provided for your personal items during the exam.

When should I arrive and how long will the exam take?

Please arrive 15 minutes before your appointment time to register. Be sure to bring your insurance information. Completing the patient forms in advance (found on our

website) will save time. Allow approximately 30 minutes for your scan.

How should I prepare for my MDCT?

Follow the instructions given to you when scheduling your exam. You may be asked to refrain from eating or drinking a few hours before the exam. Some scans require the use of a contrast dye to differentiate certain body tissues or structures. If needed, the dye will be given orally or through an injection in the vein. If you've had a reaction to contrast agents in the past, please let us know before your appointment.

Continue to take prescribed medications (with water) on the day of your MDCT, unless instructed otherwise by your physician.

Here are some of the most common MDCT exams and preparations.

Abdomen /Pelvis

- Allow 15-30 minutes for the exam.
- Drink (2) containers of Redi-Cat (450ml each) 3 hours prior to the exam.
- If you are over the age of 65 or have renal insufficiency and will be receiving I.V. contrast as part of your MDCT exam, you must have a BUN/Creatinine drawn within 30 days prior to the exam.
- An additional cup of Redi-Cat will be given to you to drink just before your exam.

Brain

- Allow 20 minutes for the exam.
- Take nothing by mouth 3 hours prior to exam.

Chest

- Allow 15-30 minutes for the exam.
- Take nothing by mouth 3 hours prior to exam.

CT Angiogram

- Allow 30 minutes for the exam.
- Take nothing by mouth 3 hours prior to exam.

Sinus

- Allow 5 minutes for the exam.
- No preparation or appointment necessary.

Spine

- Allow 10 to 15 minutes for the exam.
- No preparation necessary.

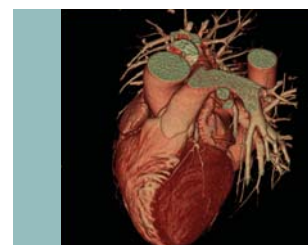
You may leave as soon as your exam is completed and resume normal activities and diet. If you were given a contrast agent orally or by I.V., drinking plenty of water after the exam will help flush your system.

When will my results be available?

One of our board certified radiologists will interpret your MDCT and send your referring physician a written report and pictures detailing the findings of your exam within 24 hours. Since the imaging study done at WIS may be only one tool in your clinician's work up, additional time may be needed to correlate all of the associated reports and data before they are ready to talk to you. Please wait for your clinician's office to contact you about the scan results.



Complicated disease conditions can be analyzed in a 2D image of the heart.



A 3D view of the heart provides complete anatomical detail of all sides of the organ.

Save Time—Complete Your Patient Forms in Advance

For your convenience, the required patient forms are available on our website at www.washingtonimaging.com. Under the Scheduling Information tab, click on Patient Forms. Print out and complete the Patient Registration and History forms and bring them with you to your appointment.

You have an appointment scheduled for:

Date: _____

Time: _____ AM _____ PM

- Location:
- Bellevue Suite 260
1135 116th Ave. N.E.
Bellevue, WA
- Issaquah Suite 105
450 N.W. Gilman Blvd.
Issaquah, WA

Please arrive 15 minutes prior to your exam to register.

Professional radiology interpretations are provided by Overlake Imaging Associates, P.C., a separate entity. Cover photo of radiologist Katharine Yoler, MD.

Find out more about MDCT by visiting our website at www.washingtonimaging.com.