



## Providing exceptional patient care for more than 15 years, Canada Diagnostic Centres offers:

- Convenient appointment times
- Quick reporting back to your physician
- Free parking
- Leading-edge diagnostic imaging technology
- Images provided on a CD for ultrasound, MRI and CT scans
- Culturally sensitive professional care
- Highly trained staff and a friendly, welcoming environment

To book your ultrasound appointment, please call 1.877.420.4CDC (4232)

Since 1993, Canada Diagnostic Centres has provided patients and healthcare providers with highly advanced diagnostic imaging of the body's most important organs and systems.



### Locations:

Brentwood  
830 – 3630 Brentwood Rd NW  
Calgary, AB T2L 1K8

Chinook  
1 – 6020 1A St SW  
Calgary, AB T2H 0G3

Pacific Place  
959 – 999 36 St NE  
Calgary, AB T2A 7X6

Westhills  
200A Stewart Green SW  
Calgary, AB T3H 3C8

Okotoks  
141 – 31 Southridge Dr  
Okotoks, AB T1S 2N3

Westgate  
172, 17010 – 90 Avenue  
Edmonton AB T5T 1L6

All clinics hours:  
Monday to Friday 8 am – 6 pm

MRI service hours:  
Monday to Friday 8 am – 8 pm

### Contact Information

General Bookings: 403-212-5855  
MRI and CT Bookings: 403-212-5847  
Toll Free: 1.877.420.4CDC (4232)  
Fax: 403-253-4669  
Web: [www.canadadiagnostics.ca](http://www.canadadiagnostics.ca)

Affiliated centres are located across Canada.



2D | 3D | 4D  
**ULTRASOUND**



## State of the Art Technology

The GE Voluson imaging equipment available at Canada Diagnostics Centres is among the most advanced medical technology available today, providing not just traditional two-dimensional (2D) imaging but also three-dimensional (3D) and even four-dimensional (4D). These machines offer superior resolution, generating clearer images that can allow for more accurate diagnostics.

# Ultrasound

## Tips for Understanding Ultrasound

Ultrasound uses sound waves to generate an image, similar to sonar but in much finer detail. It is commonly used for obstetrics and looking at solid or fluid filled structures in the abdomen such as the liver, kidney or gallbladder.

Ultrasound is also a good tool for looking at muscles and tendons, such as the rotator cuff in the shoulder, or other tissues near the surface of the skin like lymph nodes.

Most major blood vessels can be assessed in great detail to look for blood clots or blockages. Ultrasound cannot see through bone however, or into organs containing air such as the lungs, stomach or bowel.



**2D Ultrasound** offers a single snapshot or slice of a particular area and is highly dependent on the technologist's skill to recognize and capture relevant abnormalities. It is an extremely valuable and sophisticated tool in well-trained hands and is the main diagnostic imaging method for investigation.

**3D Ultrasound** technology takes a stack of 2D slices to provide a multi-dimensional view of the area which is called a volume sample. While 2D takes a single thin slice image of an organ like the kidney in one direction, 3D imaging offers a range of viewpoints through the entire organ simultaneously.

**4D (Real Time) Ultrasound** represents the latest breakthrough in medical imaging technology. Unlike 3D images which are stationary, 4D technology reconstructs the 3D images in real time, producing life-like internal images that can be viewed like a video. This provides great value in obstetrics when looking at the fetal face, spine, extremities and heart especially.

A CD of fetal images is available for patients upon request.



Your healthcare provider can help determine the most appropriate scan for your needs.

All Ultrasound services are covered by Alberta Health Care and require a medical referral. To book an ultrasound, please call: 1.877.420.4CDC (4232)

Routine scans available include abdomen, pelvis, kidney and bladder; all obstetrical scans including Nuchal Translucency, routine 18-20 week anatomic surveys and biophysical profiles; vascular studies such as Venous Dopplers, Arterial Dopplers with ABI and Carotid Dopplers; as well as the thyroid, scrotum, breast and shoulder.