

Breast Imaging

*Mayfair Diagnostics is Canada's breast imaging leader, offering comprehensive breast wellness services that include **automated breast ultrasound (ABUS)**, **Volpara** breast density assessments, and the latest mammography technology that helps reduce patient anxiety by giving them a measure of control during their exam.*

A LOOK AT

BREAST IMAGING

Using the most advanced and sophisticated medical imaging technology, Mayfair Diagnostics' breast health team not only provides the best patient care, but also offers proactive breast cancer risk assessment based on breast tissue density for your patients.

Breast Imaging Exams

MAMMOGRAPHY

Our mammography technology provides 3D X-rays (tomosynthesis) of the breast that can be viewed in slices, providing a detailed view of breast tissue with a very small dose of radiation. This means suspected tumours and masses in the breast can be detected with a higher degree of accuracy leading to fewer callbacks and less anxiety for patients.

There are two types of mammograms:

1. Screening Mammography

- This is performed on women who have no obvious breast abnormality and display no sign of breast cancer.
- In addition to clearer, more detailed images, our newest mammography technology is ergonomically designed to be more comfortable and offers patients the option to use **patient-assisted compression** - a remote control that can adjust the level of compression during the exam, under the supervision of the technologist.

2. Diagnostic Mammography

- This is performed if a screening mammogram shows a possible abnormality and additional imaging is required, or if there are symptoms of a positive breast abnormality.

VOLPARA

This breast density assessment software helps determine a patient's breast density on their mammogram. Research shows that for women, breast density is the most prevalent risk factor for breast cancer¹, so knowing your patient's breast density is an important part of any breast wellness plan. Volpara provides four different breast density score levels from A to D.

¹Engmann et al. *JAMA Oncol.* 2017; 3(9) 1228-36.

AUTOMATED BREAST ULTRASOUND (ABUS)

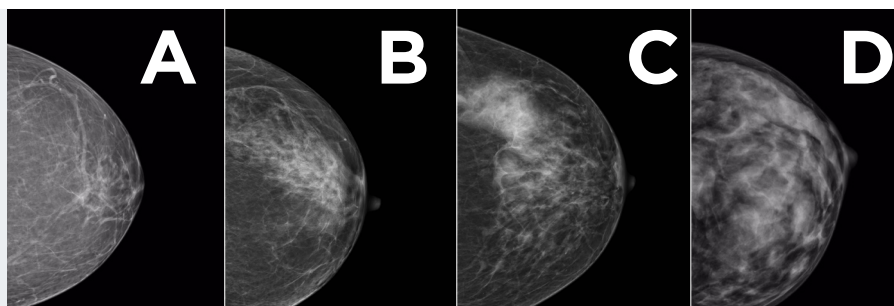
In addition to traditional handheld ultrasound, we offer this state-of-the-art technology that uses 3D ultrasound technology to obtain volumetric images of the whole breast, making sure that possible abnormal areas within the breast are not missed and the anatomy is displayed in a reproducible fashion every time the exam is performed. It is a fast and almost painless procedure which can look at both breasts in about 15 minutes.

This technology is especially beneficial to women with extremely dense breast tissue (Volpara D score), and women with heterogeneously dense breast tissue (Volpara C) combined with additional risk factors for breast malignancy. In these cases, it is often recommended as a supplement to a screening mammography.

INTERVENTION

We perform ultrasound-guided biopsies, and stereotactic biopsies guided by mammography.

Volpara Breast Density Scoring



Almost Entirely Fatty

There is almost no dense tissue which makes abnormalities easy to detect.

Scattered Fibroglandular Densities

Scattered areas of density but majority of tissue is fatty.

Heterogeneously Dense

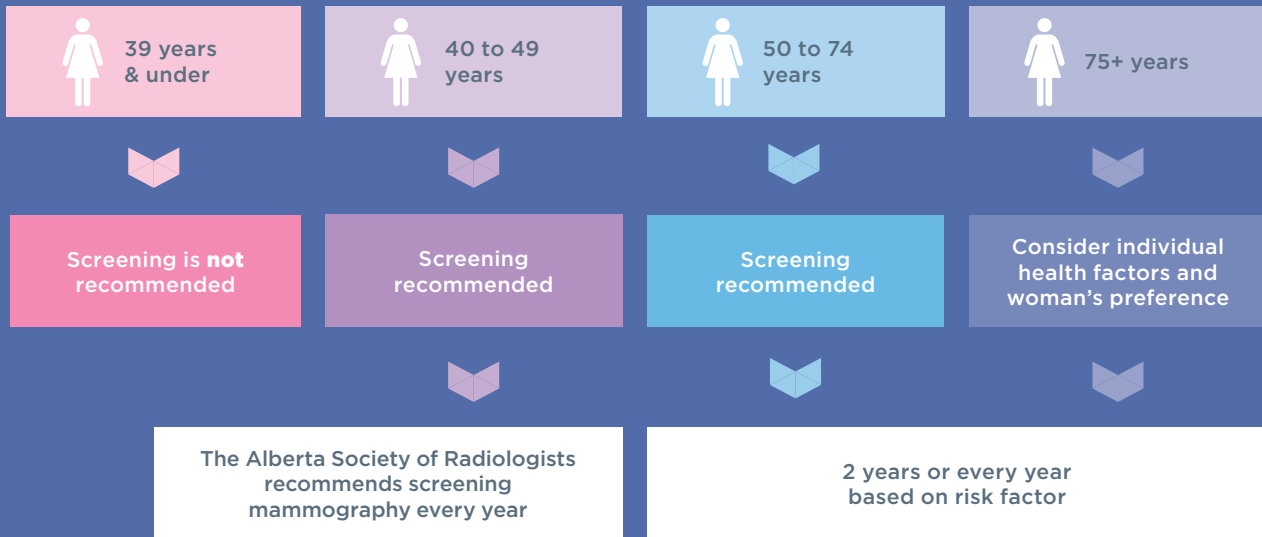
More than half the breast is dense tissue.

Extremely Dense

Nearly all of the tissue is dense.

Clinical Risk Factors & Breast Screening

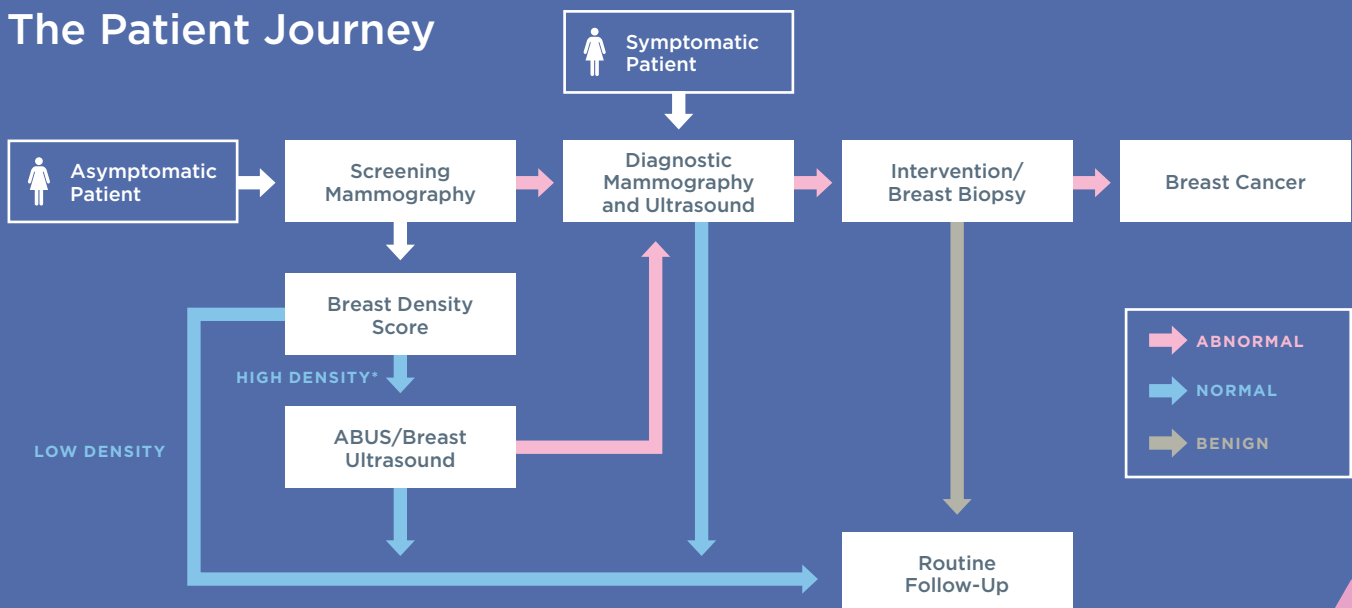
Patients who are not at high risk of breast cancer are classified as standard risk, and we recommend they receive mammography screening at the following intervals:



WOMEN WITH THE FOLLOWING RISK FACTORS ARE CONSIDERED AT HIGH RISK:

- Personal history of breast or ovarian cancer.
- First-degree relative (parent, sibling, child) diagnosed with breast or ovarian cancer.
- BRCA1, BRCA2 positive.
- Three or more second-degree relatives with breast or ovarian cancer.
- Volpara D (extremely dense) breast density score.
- Chest wall radiation at an age younger than 30.
- History of lobular carcinoma in situ or atypical hyperplasia on previous breast biopsy.

The Patient Journey



*Volpara D score or Volpara C score combined with additional risk factors for breast malignancy.

Mayfair Diagnostics Clinic Locations

 BREAST IMAGING LOCATIONS

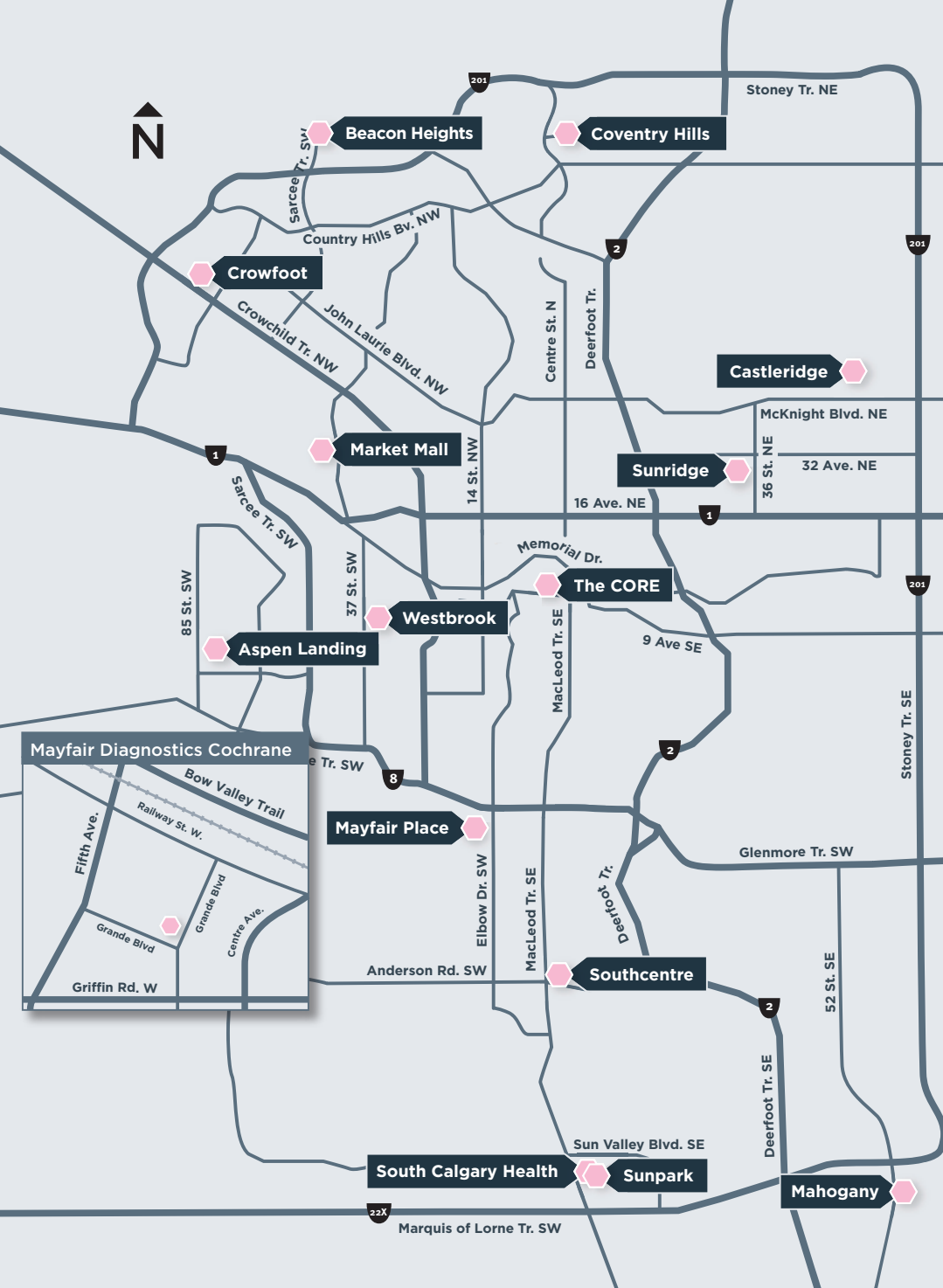
CALGARY

- Aspen Landing Shopping Centre**
105, 339 Aspen Glen Lndg. SW
- Beacon Heights Shopping Centre**
440, 12024 Sarcee Trl. NW
- Castleridge Plaza**
20, 55 Castleridge Blvd. NE
- Coventry Hills**
457, 130 Country Village Rd. NE
- Crowfoot Business Centre**
401, 400 Crowfoot Cres. NW
- Mahogany Village**
230, 3 Mahogany Row SE
- Market Mall Professional Building**
333, 4935 - 40 Ave. NW
- Mayfair Place**
132, 6707 Elbow Dr. SW
- Southcentre Mall**
177, 100 Anderson Rd. SE
- Sunpark Professional Centre**
125, 40 Sunpark Plz. SE
- Sunridge Plaza**
150, 3363 - 26 Ave. NE
- The CORE Shopping Centre**
417, 751 - 3 St. SW
- Westbrook Professional Building**
200, 1610 - 37 St. SW

COCHRANE

- Cochrane Grande Plaza**
1123, 116 Grande Blvd

Rev. 02/2024



We recently upgraded our mammography technology across all our locations, and now have 13 mammography locations that feature the patient-assisted compression option.

ABUS is available at our **Market Mall, Mayfair Place, Southcentre,** and **The CORE** locations.

