

Our mammography service is available at these branches:

**Allevia Breast Institute, Epsom**

15 Gilgit Road, 1023

US MG BIO

**Westgate**

13G Maki Street, 0814

XR US MG BIO

**Botany**

260 Botany Road, 2013

XR US MG MRI CT

BIO IGP DEXA

**Pukekohe**

12 Glasgow Road, 2120

XR US MG MRI

CT IGP

**Rosedale**

5 Home Place, 0632

XR US MG BIO IGP

**Silverdale**

7 Polarity Rise, 0932

XR US MG MRI

BIO IGP

**SERVICES KEY:**

XR	X-ray	CT	Computed tomography
US	Ultrasound	BIO	Biopsies
MG	Mammography	IGP	Image-guided procedures
MRI	Magnetic resonance imaging	DEXA	Bone density and body composition

Patients under the age of 40 require a referral.

Online bookings & requests now available at: [alleviaradiology.co.nz](http://alleviaradiology.co.nz)

PATIENT INFORMATION

# 3D Digital Mammography

Innovative technology that boosts breast cancer detection by up to 43%<sup>1</sup>



**Allevia Radiology**

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A better health journey  
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**Allevia Radiology**

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## Fighting breast cancer

Breast cancer is currently the most common cancer in women worldwide. One in ten women will be diagnosed with breast cancer in her lifetime. Early detection is the best tool for fighting this threatening disease and the most common method for diagnosis is Mammography.

## What is mammography?

Mammography is a diagnostic tool that uses X-rays to examine the breast. It is a commonly used method for early detection of breast cancer, and is a well established and accepted imaging technique.

Outstanding image quality is critical for detecting the smallest details required for the diagnosis of breast cancer.

## The next-gen mammography system: MAMMOMAT Inspiration

### 3D Digital Mammography

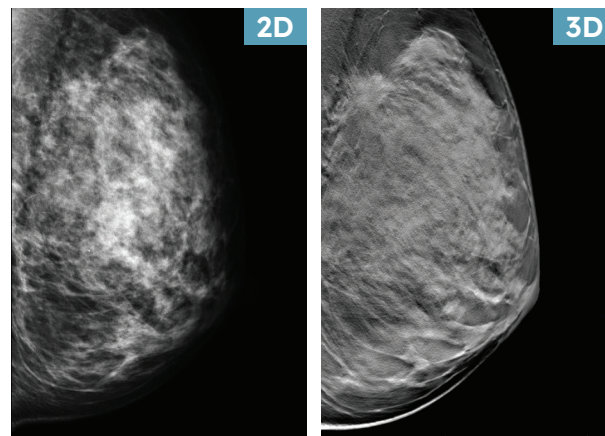
- ✓ **Up to 43% increase** in breast cancer detection rate<sup>1</sup>
- ✓ Uncompromised image quality
- ✓ Faster screening process
- ✓ Greater patient comfort

<sup>1</sup> When compared to standard 2D mammography. First Results from Malmö Breast Tomosynthesis Screening Trial in Sweden.

## New 3D Mammography procedure

True 3D Breast Tomosynthesis signifies a quantum leap in mammography. Tomosynthesis (tomo = 'layer') takes three-dimensional (3D) images, while classic mammography is only able to deliver two-dimensional (2D) images of the breast.

When it comes to dense breast tissue, 2D mammography is not always able to deliver clear and confident results. With tomosynthesis, 3D high quality images can be acquired, regardless of breast size or tissue density.



Mammography of the same breast - 2D imaging vs 3D imaging

## How does it work?

The X-ray tube takes multiple pictures from different angles. The information is then calculated by a software program to produce clear three-dimensional images throughout the breast.

The layered images acquired using tomosynthesis avoid tissue superimpositions – the radiologist gets a clearer image. This increases the chance of detecting further possible breast carcinomas (breast cancer) in their early stages. Existing tumours can be analysed in terms of size and shape even earlier.