

Invenia™ Automated Breast Ultrasound (ABUS)

Information and advice for patients

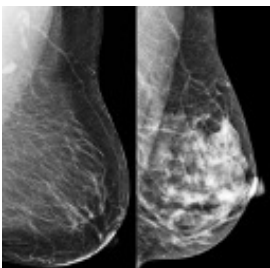
Breast Unit

Women attending the breast unit can be offered different combinations of imaging. As a woman under 40 who has been referred to the breast unit you may be offered Ultrasound imaging of the breast.

Younger breasts are generally more dense (more glandular tissue than fatty tissue). Ultrasound is used as a first choice, as this is known to be more sensitive at finding abnormal changes than having a mammogram (X-ray of the breast) and improves earlier cancer detection. Mammograms are more effective in women over 40 as they generally have less dense breast tissue.

Throughout a woman's life breast tissue changes, these changes start at puberty and go all the way through to menopause and beyond. Pregnancy, breast feeding, the contraceptive pill and Hormone Replacement Therapy (HRT) can also cause changes to breast tissue.

Fatty Breast Vs Dense Glandular Breast.



(Breast density© 2019 General Electric Company – All rights reserved. Permission obtained).

What is ABUS Ultrasound?

The ABUS ultrasound scan provides 3D images of the whole breast, it is non-invasive and there is no radiation unlike mammograms. It is a specifically designed ultrasound machine for assessing dense breast tissue.

What will happen during the Ultrasound Scan?

- You will be asked to undress from the waist up and be made comfortable when lying down.
- Ultrasound gel will be applied to the breast.
- The ultrasound scanner will be placed over the breast. Pressure will be applied this may be uncomfortable.
- The scanner will be moved over the breast to take approximately three images from different angles.
- The scan should take about 15 minutes.

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(ABUS ultrasound scanner © 2019 General Electric Company – All rights reserved. Permission obtained).

Results and Follow up

You will have hand-held ultrasound for more detailed imaging as required.

The ABUS examination may lead to further investigations, including biopsy, in other areas of your breast.

The images that have been taken during the examination will be looked at by the Breast Consultant team and they will write a report for your consultant, and this will be discussed with you.

An appointment to return to the breast unit may be required.

If your results are normal, you will be able to go home, and your GP will be advised of your result by letter.

Contact details:

City Breast Unit

Birmingham Treatment Centre
City Hospital
Dudley Road
Birmingham
B18 7QH
Tel: 0121 507 4967 (option 1)

Walsall Breast Unit

Walsall Manor Hospital
Moat Road
Walsall
WS2 9PS
Tel: 01922 721 172 (EXT.6404)

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Further Information

If you need any further information or advice please contact us or your GP. Please see our hospital website www.swbh.nhs.uk, follow us on twitter @SWBHnhs and like us on Facebook www.facebook.com/SWBHnhs.

Sources used for the information in this leaflet

General Electric Company (2022). Invenia™ ABUS 2.0: Look differently at dense breast tissue. Available at: <https://www.gehealthcare.co.uk/products/ultrasound/abus-breast-imaging/invenia-abus#resources>

(Accessed 07 March 2023).

Further information

Cancer Research UK

Website: <https://www.cancerresearchuk.org/>

Nurse helpline: 0808 800 4040

(Website accessed 07 March 2023)

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