

Patient attends with concern regarding family history which includes breast cancer
 OR
 Family History clinically relevant (HRT / Contraception / Breast symptoms)
 NB THIS GUIDELINE DOES NOT APPLY IF THERE IS NO-ONE IN THE FAMILY (PATIENT INCLUDED) AFFECTED WITH BREAST CANCER

Are there symptoms suggestive of breast disease that need further investigation?

YES

Refer to Breast Unit

Routine / fast-track as recommended by national / local guidelines

NO

Is there a known genetic mutation running in the family?
 (BRCA1 / BRCA2 / other)

YES

Refer to the Genetics Service directly either via Choose and Book, or an open referral to:

Yorkshire Regional Genetics Service Chapel Allerton Hospital Chapeltown Road Leeds LS7 4SA	Sheffield Clinical Genetics Dept Sheffield Childrens' NHS Trust Western Bank Sheffield S10 2TH
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NO

Has the patient previously had a risk assessment in a FHC / RGS?

YES

Have any relatives been diagnosed with cancer **since** the assessment? (if yes, then the risk assessment may have changed too)

NO

Consider re-referral to the Breast Unit if:

- At moderate / high risk and wishing to consider prophylactic Tamoxifen
- At moderate risk aged 50-59 and requesting additional mammography
- At high risk aged 30-39 and requesting additional mammography

NO

YES

Ask about first and second degree relatives, including aunts, uncles and grandparents on BOTH maternal and paternal sides. Does the patient have any of the following?

(Family history tool: breakthrough.org.uk/fh)

One affected relative:

- One first degree female relative diagnosed with breast cancer <40 years
- One first degree male relative diagnosed with breast cancer at any age
- One first degree relative with bilateral breast cancer where the first primary was diagnosed <50 years

Two affected relatives:

- Two first degree relatives, or one first degree and one second degree relative diagnosed with breast cancer at any age
- One first degree or second degree relative diagnosed with breast cancer at any age and one first degree or second degree relative diagnosed with ovarian cancer at any age (one of these should be a first degree relative)
- 2 or more female relatives diagnosed with breast / ovarian cancer on paternal side of the family

Three affected relatives:

- Three first degree or second degree relatives diagnosed with breast cancer at any age

YES

Patient is likely to be at above-population risk.

Refer to Secondary Care (Breast Care Unit / Family History clinic)

Give information as to what to expect from referral

NO

Is there only one **female** relative affected with **unilateral** breast cancer at >40 y.o.a. (on either maternal or paternal sides)?

YES

Is there either:

- Jewish Ashkenazy heritage
- Any usual / associated cancers (sarcoma or osteosarcoma >45 y.o.a, glioma or childhood adrenocortical tumours)

YES

Seek advice:

Secondary care contact (list to follow)
Yorkshire Regional Genetics Service /
Sheffield Clinical Genetics Dept

NO

Patient is at near-population risk.

Advise the patient that:

- They are at similar risk to any other women in the general population
- Breast cancer is common (population lifetime risk of 1 in 8) and therefore many women will have a relative affected with breast cancer without being at increased risk of developing breast cancer themselves. The family history today doesn't suggest that their family is one of the small proportion with an underlying genetic cause.
- **However they should return if the family history changes (another relative is diagnosed with cancer) or if they themselves develop breast symptoms.**

Give standard written information:

- If family history alters their risk may alter
- Breast awareness info
- Lifestyle advice:
 - HRT and Contraception
 - Diet / alcohol / smoking
 - Breast feeding, family size and timing
- Advice to attend national screening programmes, including NHSBCSP when invited.

Further information is available on all the above issues (including downloads):

- Family history tool: breakthrough.org.uk/fh
- Macmillan Cancer Support: www.macmillan.org.uk.
- Cancer Research UK: www.cancerhelp.org.uk.
- Breakthrough breast cancer: www.breakthrough.org.uk
- Breast Cancer Care: www.breastcancercare.org.uk