Process for Mainstream Germline Genetic Testing for Patients with Breast Cancer

Patient with a new diagnosis of breast cancer or being followed up for a previous diagnosis

Eligibility Criteria for Mainstream Testing

An individual who has one or more of :

- Breast Cancer under 40 years
- Bilateral BC, both under 60 years
- Triple negative BC, under 60 years
- Breast cancer and ovarian cancer, any age
- Breast cancer and 1 first degree relative with breast cancer, both diagnosed ≤ 45
- Male breast cancer, any age
- Breast Cancer any age with a Manchester score of ≥ 15

Does patient meet eligibility criteria?

YES

NO

Is there a reported family history of cancer or further clinical suspicion of an inherited cause for the cancers?

NO → Testing NOT indicated at this time.

YES → Refer to Genetics for Assessment

ACTIONS BY CANCER TEAM MEMBER

- Genetic testing discussed
- Patient Information Sheet given to patient
- Genetic test request form **completed** (including eligibility criteria)

Patient consents to testing (TICK BOX)

If patient requests more information (TICK BOX)

- Molecular Laboratory email Mainstream Genetic Counsellor
- Mainstream Genetic Counsellor requests CGS Appointment
- Appointment Team contact patient and books appointment (aim within 2 weeks)

ACTIONS BY CANCER TEAM MEMBER

Send blood sample (3mls EDTA) & Consent (Genetic Test Request Form) to Molecular Genetics Lab

ACTIONS BY GENETIC TEAM

- Genetic testing discussed with patient
- Check patient has Patient Information Sheet

Patient consents to testing

Patient declines testing

Consultation letter to patient cc to Breast Clinician

ACTIONS BY GENETIC TEAM

Results reviewed & interpreted

Result A

Result B

Result C

NO PATHOGENIC VARIANT

Result Letter to patient
cc Cancer Team & GP
(uploaded to Sci Store)

No Genetic Appointment

PATHOGENIC VARIANT

Result Letter to patient
cc Cancer Team & GP
(uploaded to Sci Store)

Genetic Appointment sent to patient

VARIANT REQUIRING EVALUATION

Result Letter to patinet
cc Cancer Team & GP
(uploaded to Sci Store)

Genetic Appointment sent to patient