NHS
South West
Genomic Laboratory Hub

Patient referred with suspicion of breast cancer

Patient medical history taken

Clinical Assessment, Examination, Diagnostic Imaging and Biopsy

Patient information provided

- At Results appointment
- At f/u appointment
- At other appointment

Discuss genetic testing with patient

Identified by surgeon/oncologist as potentially eligible for R208 testing as per NGTD criteria to start a conversation about testing

Eligible for R208 testing

If requires further family history assessment to determine eligibility

Offer referral to clinical genetics

Rare and Inherited Disease Eligibility Criterea:
https://www.england.nhs.uk/publication/national-genomic-test-directories/

Specialist training may be required

Patient consents to test

Consent MUST be recorded in the patient record in accordance with local guideline

Complete consent form if required

GMS Test Order Form v1.3
- Request R208
- Sample required
- Test details
- Urgency (within 12 weeks)
- Person receiving report

Complete digital/paper test request

Email the lab if urgent

Email nbn-tr.bglexportscientist@nhs.net

2x4ml EDTA

Blood Science Phlebotomy for a 'sendaway' test

GLH lab extract DNA and perform analysis

A 'virtual MDT' via email or Teams may take place in advance of the report being issued if required

Results reported to clinical team

Results discussion with patient

Refer to guidance on Clinical Genetics referrals

Variant identified (including variants of uncertain significance)

No variant found only refer to clinical genetics if a significant family history

Patient declines test

Offer referral to clinical genetics

Discussion MUST be recorded in the patient record in accordance with local guideline

Offer to collect blood for DNA storage

Storage of a sample may be offered where the patient may require more time or discussion to make a decision

Complete digital/paper test request

Can use code R346 OR clearly label why storage has been requested (GMS Test Order Form v1.3)

Blood Science Phlebotomy for a 'sendaway' test

GLH lab extract DNA and store

2x4ml EDTA

Patient contact
Clinician
Test
Laboratory

Inherited Breast Cancer Genes (BRCA Plus) , SW Genomics Medicine Service
Breast R208 pathway overview FINAL V1.3