# NHS Genetic Testing in Ovarian Epithelial Cancer

**Eligible patient who is:**

- <70 with Epithelial Ovarian Cancer (EOC): Serous, Endometrioid or Adenocarcinoma
- >70 with Epithelial Ovarian Cancer (Serous, Endometrioid, Adenocarcinoma) and a previous history of Breast Cancer
- >70 with Epithelial Ovarian Cancer (Serous, Endometrioid, Adenocarcinoma) and a history of Breast Cancer or Ovarian Cancer in first degree relative

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**FAQ:**

**What if my patient has an unusual pathology or strong family history but is not eligible?**

Patients can still be referred to us and we will make an assessment. We will then decide whether to see the patient or offer testing.

**What if my patient is terminally ill?**

Please call us to discuss — if there is a degree of urgency we may suggest that an EDTA blood sample is taken for DNA storage while the paperwork is being completed.

**How likely will my patient have a BRCA1/2 mutation?**

Based on data from the GTEOC study we estimate that around 10% of unselected women with EOC under 70 will have a BRCA1/2 mutation. At 70 and above the mutation frequency drops off to 2-3%.

**Should I be aware of ethnicity when thinking about BRCA1/2 testing?**

Yes, women from an Ashkenazi Jewish background have a much higher probability of being BRCA1/2 mutation carriers.

Please contact us to discuss these cases.

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*Patient must complete Family History Form and Consent Forms to access testing*

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**If criteria are fulfilled complete the referral proforma**

- **Our team will send the Patient Information Sheet, Family History Form and Consent Form**

**Once all complete documents are received by Clinical Genetics*, patient will be contacted and a blood test will be arranged**

**Routine testing takes 8-10 weeks**

**Mutation identified or strong family history present**

- Patient will receive the results by letter (copies to referrer and GP) and an appointment will be arranged to discuss implications and next steps

**Variant of unknown significance identified**

- Patient will receive the results by letter (copies to referrer and GP) and an appointment may be arranged

**No Mutation identified**

- Patient will receive the results by letter (copies to referrer and GP and advice given)

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