

Five thick, curved lines in various colors (light blue, dark blue, teal, purple, yellow) are arranged in a circular pattern around the central text.

Mainstreaming breast cancer germline genetic panel testing in oncology clinics

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Inherited breast cancer susceptibility

- Approximately 5-10% of breast cancer is caused by an inherited genetic alteration ⁽¹⁾
- Most commonly within the BRCA 1 or 2 gene but with alterations in other genes such as the PALB2, CHEK2 and ATM genes contributing also



Impact of identification of a germline genetic risk

- The possibility of an inherited cause is frequently a concern for patients
- Knowing that there is a genetic alteration can affect management decisions
- Potential influence on choice of primary surgical management
- Potential influence on future screening or preventative surgery
- Emerging potential to affect systemic therapy options, for example, olaparib ⁽²⁾



Mainstreaming

- Broadening of criteria for genetic screening for breast cancer susceptibility
- Increase in knowledge and demand globally for genetics services
- Increasing workload for genetics and therefore increasing waiting times
- Delayed testing
- Less streamlined treatment pathways for patients



Benefits to patients

- Reduced number of separate appointments with different clinical teams
- Often can be counselled alongside treatment and blood test taken within a treatment related attendance
- Testing can be carried out right near the start of their treatment pathway
- For patients undergoing neoadjuvant treatment, results will be available for surgical planning

