

# FRENCH WOMEN'S BREAST SELF-EXAMINATION PRACTICES WITH TIME AFTER UNDERGOING BRCA1/2 GENETIC TESTING --- UICC Fellowship

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## RESEARCH CONTEXT IN FRANCE

- Breast cancer surveillance and screening guidelines - still uncertain
- Breast self-examination (BSE) in disease-free women is not regarded in France as a mandatory procedure and is not a recommended practice

## AIM

- To study prospectively whether women's BSE practices differed depending on their cancer genetic status (HBOC: BRCA+, BRCA-)
- To examine the psychological factors predicting BSE practices at 12 and 24 months after genetic test disclosure.

## ELIGIBILITY

- Cancer free at all time-points measurement from their genetic test
- Measured before result disclosure (M0) and at 12 (M12) and 24 months post results (M24)

Independent Independent	Dependent <del>Dependent</del>
<ul style="list-style-type: none"> <li>• Perceived risk</li> <li>• Perceived risk               <ul style="list-style-type: none"> <li>• Acute distress (ies)</li> <li>• Depression (CES-D)</li> <li>• Belief in ability of BSE to detect</li> </ul> </li> </ul>	<p>BSE practices (yes/no) BSE practices (yes/no) at M0, M12, M24</p> <p>BSE frequency at M0, M12</p> <ul style="list-style-type: none"> <li>• Regularly</li> <li>• Occasionally</li> </ul>
<p>N= 530 HBOC N= 530 HBOC</p> <ul style="list-style-type: none"> <li>• 217 (40.9%) BRCA+</li> <li>• 313 (59.1%) BRCA-</li> <li>• Mean age = 40               <ul style="list-style-type: none"> <li>• Non-carriers were older* (41.3 vs 38.2)</li> <li>• PR relatively high in all respondents (59%)</li> </ul> </li> </ul>	<p>M0: Prior to test M0: Prior to test results</p> <ul style="list-style-type: none"> <li>• 47.2% of the 530 performed BSE regularly or occ.</li> </ul> <p>M12: increase in BSE (57.3%)* M12-M24: BSE unchanged</p> <ul style="list-style-type: none"> <li>• No diff. in BSE practices between BRCA+ and BRCA- at M12 &amp; M24</li> <li>• *Anxiety score differed by gene</li> </ul> <p>At M12, 75.7% reported BSE had been recommended</p>

## **RESULTS: Factors associated with BSE PRACTICES at baseline (M0) & M12**

### **Baseline**

- High school and <: twice more likely to be practicing BSE at M0

### **Stratified by gene status at M12**

#### **Carriers**

- Baseline practices main predictor when belief in BSE to detect BCA was present
- Less depressive symptoms
- No other socio-demographics were sign.

#### **Non Carriers**

- Belief in BSE ability to detect cancer
- High perceived cancer risk
- Higher anxiety levels
- No other socio-demographics were sign

## **M12: Factors associated with FREQUENCY**

- In both carriers and non-carriers, regular practice at baseline predicted regular practices at M12 and with less depressive sx for carriers.
- Non-carriers who practiced BSE occasionally at baseline practiced less at M12
- Younger non carriers (less than 50) practiced more regularly

## **CONCLUSION: In French Women**

- 1<sup>st</sup> document cohort of BSE practices
- BSE was practiced by the majority
- Practice not influenced by test results