

Developing a Decision-Aid Website for Women with Ongoing Breast Cancer Surgery

presented for

eTELEMED 2016: Program posted (ref 40198)

2016 /4/ 25

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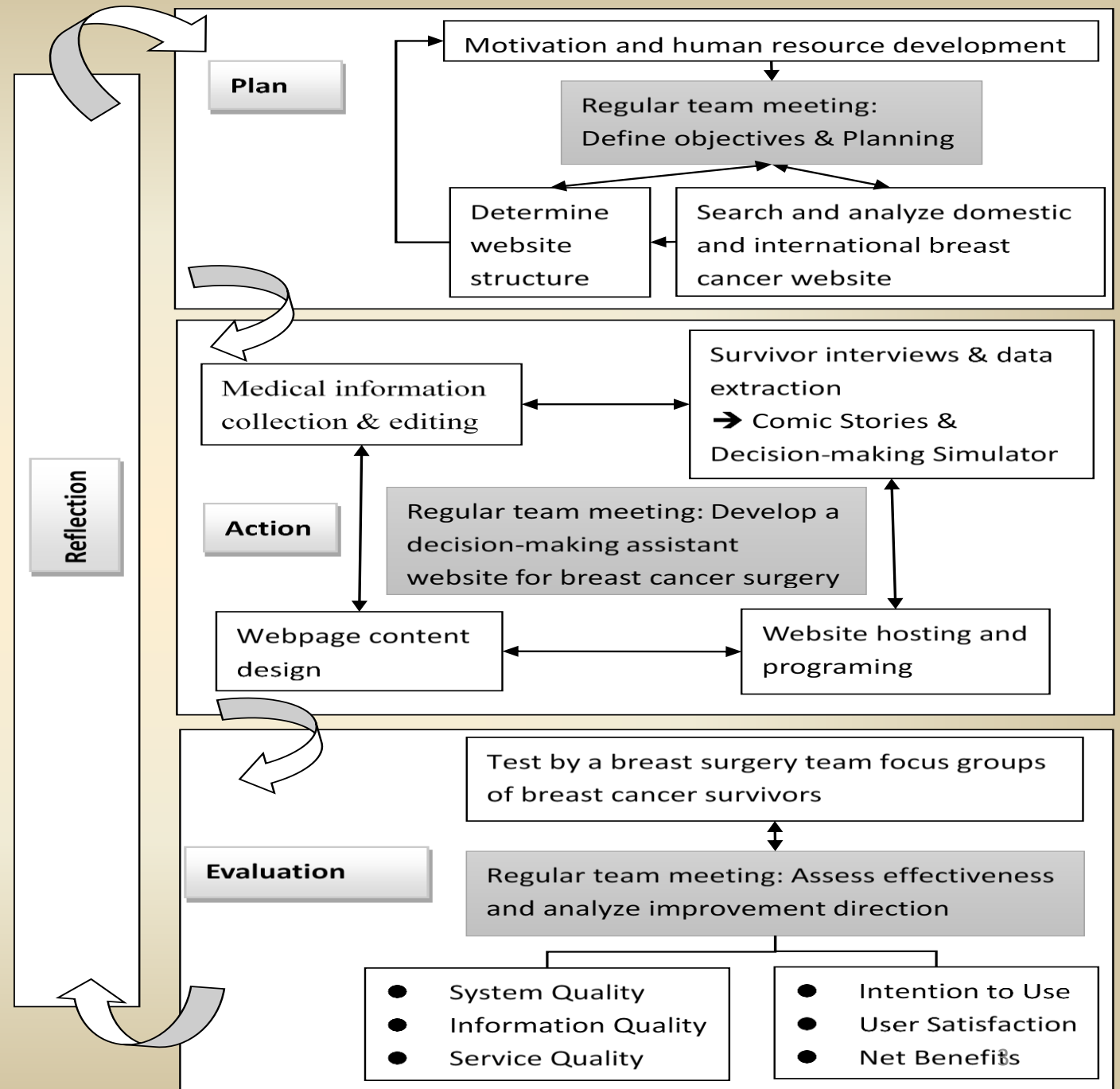
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Women with Breast Cancer

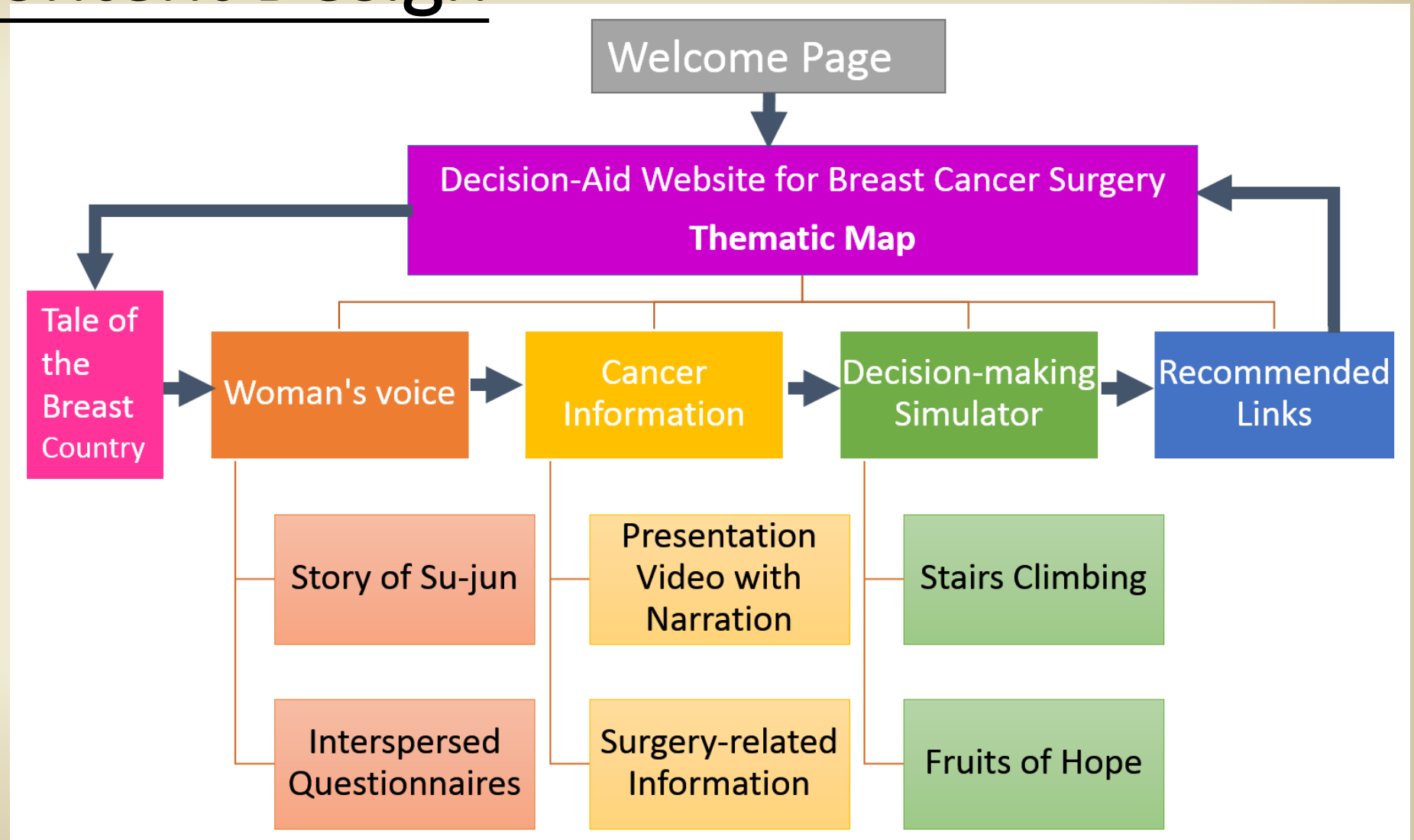
- Women with early-stage breast cancer have options to **choose the types of breast surgery**, leading to the same long-term survival rate, but significant differences in appearance, function, cost, recurrence rate and other considerations
- There are many conditional challenges and limitations in clinics, putting these women through great **social** and **psychological stress**, hindering their decision-making for surgery
- Therefore, our research team design a **multi-purpose website** to provide **medical information, psychological healing and decisional simulation**

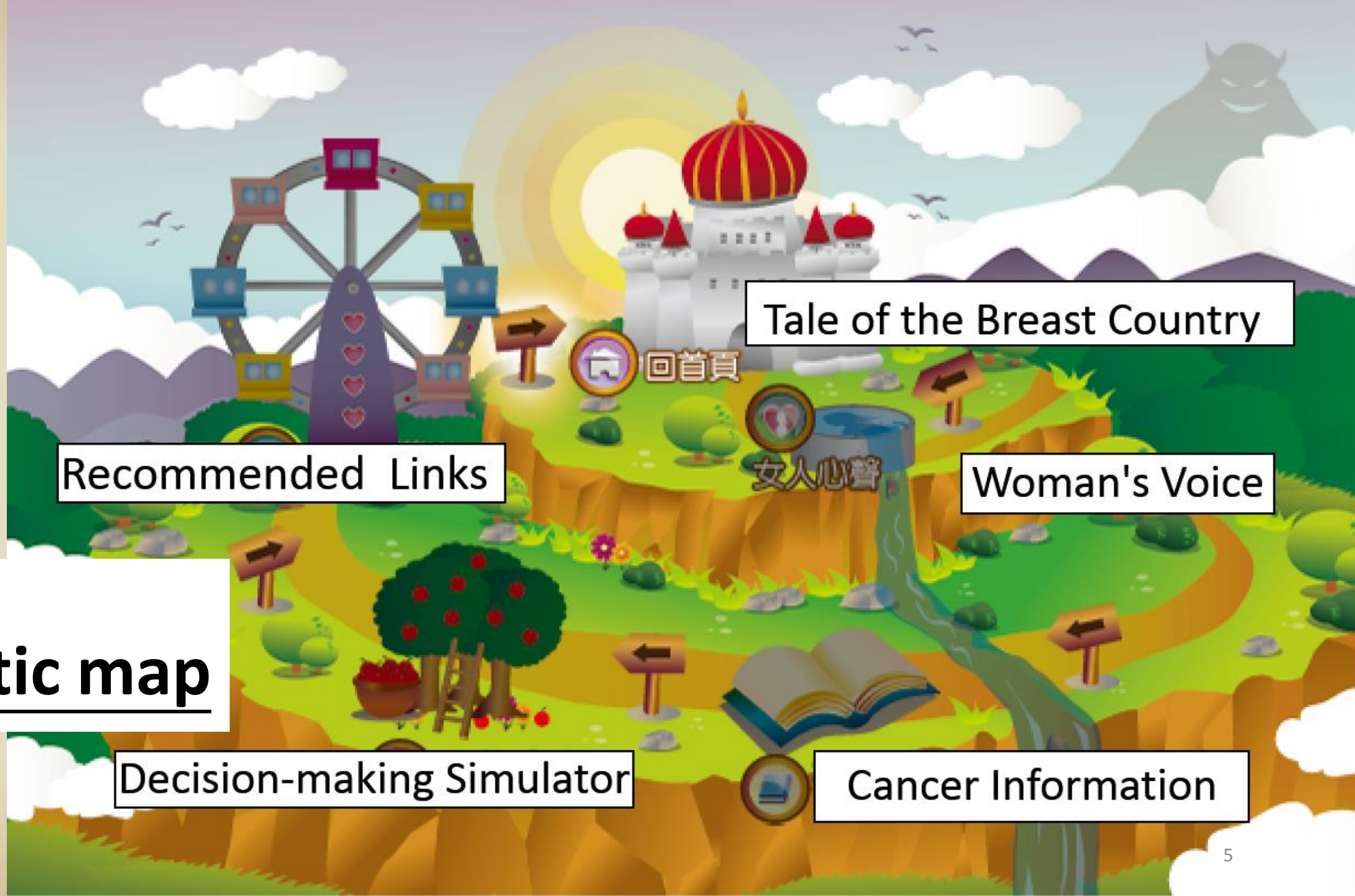
Action Research-teaming work (4 steps)

- **Plan:** Searched, analyzed and evaluated health websites to establish consensus and major infrastructure
- **Action:** Worked into four groups including medical information collection and editing, survivor interviews, data extraction, & webpage content design...
- **Evaluation:** Tested the website by clinical experts and focus groups of breast cancer survivors to assess and improve the effectiveness.
- **Reflection:** Continue dialogue between oneself and the others in every step, as the foundation and motivation of next plan-action-evaluation-reflection circle.



Result- Webpage Content Design





Tale of the Breast Country

Recommended Links

Woman's Voice

Result-
Thematic map

Decision-making Simulator

Cancer Information

Result-

Women's Voice ("Story of Shu-Jun")



發現病灶時您是否也有以下想法或感受?

1.我的的心情:

- 美臉圖片
- 微笑圖片
- 難過圖片
- 哭泣圖片

2.遇到這種狀況，我覺得:

- 我可以應付這種狀況
- 我一定沒辦法應付
- 我要找人幫助我
- 沒什麼大不了的事

3.對於乳房有硬塊我想:

- 不痛不癢的硬塊應該沒那麼嚴重
- 會有硬塊一定有問題
- 還要檢查才能確定有多嚴重
- 這是很嚴重的狀況

4.發現硬塊時我首先要做的是?

- 我會找附近的人先幫我看一下或幫我出個主意
- 自己判斷就可以了
- 不要讓家人知道以免他們擔心
- 不須要做什麼處理

我另外的想法

繼續

找那一科醫生?



如走、

的嗎！?

有的，應該

Result-

Decision-making Simulator-“Stairs Climbing”

**Impact factors (24) of surgery decision-making:

- 1.Body**-related factors
- 2.Treatment**-related factors
- 3.Information**-related factors



Result-

Decision-making Simulator-“Fruits of Hope”

希望果實

遊戲結果說明

您摘下了最多顆 保留手術 手術希望樹的果子，顯示 保留手術 手術是較符合您偏好的選擇。

本遊戲目的在於提供您術前常見的重要考量，但除了個人的偏好外，腫瘤的大小、位置、範圍、種類等因素也會影響適合的手術方式，最終決定仍需與您的主治醫師共同討論，並可參考本站的其他內容以瞭解更詳細的資訊。祝福您有個順利的決策過程。



**Nine domain consideration of surgical outcomes:

- 1.Inner feeling
- 2.Recurrence rate
- 3.Appearance
- 4.Body balance
- 5.Clothing choices
- 6.Sex and intimacy
- 7.Therapeutic category
- 8.Clinic numbers
- 9.Economy

Discussion & Conclusion

- **Patient/Medical oriented vs. team/social oriented**

- Train the women's decision-making capacity
- Patients+ clinicians+ scholars+ students+ engineers+ designers

- **Traditional vs. E-health intervention**

- Move beyond time and space limitations
- Need more resources: time, budget, innovation...

➤ As **the first established breast cancer surgery decision-aid website in Taiwan**, we try to provide a comprehensive model of website construction

➤ We also look for the **international communication & cooperation.**

Acknowledgment

We appreciate the funding support from Taiwan's government (NSC 102-2629-H-010 -001 -MY2; MOST 104-2629-H-010-001)

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