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

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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

Welcome Page

Decision-Aid Website for Breast Cancer Surgery

Thematic Map

Tale of the Breast Country

Woman's voice

Cancer Information

Decision-making Simulator

Recommended Links

Story of Su-jun

Presentation Video with Narration

Stairs Climbing

Interspersed Questionnaires

Surgery-related Information

Fruits of Hope
Result-Thematic map

Recommended Links
Tale of the Breast Country
Woman's Voice
Decision-making Simulator
Cancer Information
Women’s Voice ("Story of Shu-Jun")
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
**Decision-making Simulator-“Fruits of Hope”**

**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, budge, 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

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