

SDC1: The ACBC Experiment

Due to the adaptive nature of the ACBC task, the survey taken by each participant varied considerably based on their stated preferences. This supplement describes the three basic steps of the task and provides sample screenshots of each step.

Step 1 – Selection of “ideal” option to help narrow down sample space. This task is restricted to factors where there may not be a clear “ideal” choice.

Please imagine that you were recently diagnosed with early stage breast cancer. In addition to receiving chemotherapy, your physician has told you that you have several options for the surgical treatment of your breast cancer.

Please select the responses to each feature below that best describes your "ideal situation" when undergoing a surgical treatment for breast cancer.

Treatment Characteristic	Select your "ideal" option
Breast Look	Select Level
Doctor's Recommendation	Select Level
Follow up Imaging	Select Level

Step 2 – Screening Tasks (15 total) to help narrow down to identify participant “must have” or “deal breaker” attributes

Judge every option individually, not necessary to compare

	Option A	Option B	Option C
20-year Overall Survival	45%	38%	52%
10-year Recurrence Rate	8%	4%	20%
Breast Look	Somewhat similar to before surgery	Very similar to before surgery	Somewhat similar to before surgery
Radiation Treatment	Radiation needed in addition to surgery	No radiation needed (just surgery)	Radiation needed in addition to surgery
Doctor's Recommendation	Doctor has no opinion about this treatment option	Doctor does not recommend this treatment option	Doctor recommends this treatment option
No. of surgeries, Surgery and Recovery Time	2 surgeries, surgery and recovery time of 6 months	3 surgeries, surgery and recovery time of 9 months	1 surgery, surgery and recovery time of 3 months
Out of Pocket Costs	\$17,296	\$10,066	\$6,850
Nipple Characteristics	Retain nipples and lose feeling	Lose nipples and lose feeling	Retain nipples and lose feeling
Follow up Imaging	Yearly mammograms required	Yearly mammograms required	No yearly mammogram requirements
	<input type="radio"/> A possibility <input type="radio"/> Not a possibility	<input type="radio"/> A possibility <input type="radio"/> Not a possibility	<input type="radio"/> A possibility <input type="radio"/> Not a possibility

Must pick an answer for this option
Must pick an answer for this option
Must pick an answer for this option

Step 3 – Choice tournament task to finalize rankings

	Option A	Compare ↔	Option B	Compare ↔	Option C
Treatment characteristics	20-year Overall Survival	38%		38%	
	10-year Recurrence Rate	4%		4%	
	Breast Look	Not similar to before surgery		Not similar to before surgery	
	Radiation Treatment	Radiation needed in addition to surgery		Radiation needed in addition to surgery	
	Doctor's Recommendation	Doctor recommends this treatment option		Doctor recommends this treatment option	
	No. of surgeries, Surgery and Recovery Time	1 surgery, surgery and recovery time of 3 months		2 surgeries, surgery and recovery time of 6 months	
	Out of Pocket Costs	\$6,850		\$4,356	
	Nipple Characteristics	Retain nipples and keep feeling		Retain nipples and keep feeling	
	Follow up Imaging	Yearly mammograms required		Yearly mammograms required	
	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>

Choose 1 of these 3 treatment options by clicking here