

Appendix 3: Intraoperative Awareness Assessment Procedures

Modified Brice Administration & Timing

The Modified Brice questions will be released to the patient for self-administration on the morning of POD1. A blinded research coordinator may administer and help facilitate if the patient is still in the hospital on POD1. In patients who are CAM negative on POD1 and in patients who do not experience prolonged intubation, the Brice questions will be sent to the patient for self-administration on POD30 if awareness is not reported on POD1. If awareness is reported on POD1, the Brice questions will not be sent to the patient on POD30. Patients who are CAM positive or who experience prolonged intubation on POD1 will receive the modified Brice questions on POD30 regardless of the responses on POD1. When a Brice screen is positive, the appropriate healthcare worker will be notified within 24 hours of the positive screen to perform the follow up questionnaire.

Follow up questionnaire for patients who report memories between "going to sleep" and "waking up"

This interview will be administered by a trained healthcare worker, blinded to the intervention the patient received, from either Washington University School of Medicine or the University of Michigan. Study team members of the CCC and DCC, including the trained healthcare worker, will be notified of a positive Brice screen automatically via an email from MyDataHelps. The healthcare worker will call the patient and perform the follow up questionnaire within 1 to 2 business days of notification and within 7 business days of the positive Brice screen. This healthcare worker will offer to contact, or provide contact information for, a licensed psychologist or psychiatrist, should the patient wish to talk to one. This will be in accordance with the local process established for referring patients who experience intraoperative awareness for counseling at each participating institution.

The healthcare worker will record the interview with the patient's consent and save it for the awareness adjudication team to review.

Final Assessment of Awareness Events; Michigan Awareness Classification

The awareness adjudication team will be blinded to the intervention the patient received. The team, which is independent of the Brice screening team and post-Brice interview healthcare worker, will adjudicate whether the awareness report was a definite awareness event, possible awareness event, or related to something else (e.g., PACU, ICU). After determining the final status of the awareness event, the team will then apply the Michigan Awareness Classification.