

## Supplemental Digital Appendix 1

### Interview Guide for Qualitative Study of Critical Event Reconstruction, Hospital of the University of Pennsylvania, 2016–2018

Thank you for agreeing to speak with me today. My name is [name]. I am a Research Assistant with the Department of Anesthesiology and Critical Care at the University of Pennsylvania Health System. I am part of a research team that is interested in better understanding events that occur in the operating room.

Your participation in this research study is completely voluntary. You may stop interviewing at any point or choose not to respond to any questions that you do not feel comfortable answering. Your answers are confidential, and they will not impact your employment in any way. I would also like to tape record our conversation; this is completely voluntary and is only to ensure that we capture everything we discuss. This recording will be transcribed by a transcription service and you will be identified by a number (i.e. “resident X”) such that you will not be identifiable to individuals other than the study PI and non-supervisory/non-clinical members of the research team. Further, any identifying information will be kept in a separate password-protected document. Further, after the recordings themselves are transcribed/summarized, the audio will be destroyed once it is no longer needed in the research context. If you have any questions, you may ask me at any time during the interview or contact me afterwards at [email]. If you would like to speak to the study PI, [name], you can reach him at [email] or [phone number].

*[Begin recording; state the date, time, and interview number for data tracking purposes]*

- I. **Description of the event:** Can you describe the case and/or event in your own words?
  - a. What did the team do to fix the situation?
    - i. Was the event limited to members of the anesthesia team, or were members of surgical, nursing, and/or other teams engaged at some point?
  - b. Who, if anyone, took the lead role in the situation? What were their directives and how were they received?
  - c. How did you react in the moment, and what was your role in fixing the situation?

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- II. Directly after everything happened, what was your state of mind?
  - a. What did you do after the case?
  - b. Did you talk to anyone about what happened?
- III. Do you think other people shared your reactions to the event?
  - a. How did others respond?
- IV. Was there a conversation shortly after the case (or as the case was finishing) to go over what happened?

(If debriefing occurred)

  - a. Who/what initiated the conversation?
  - b. Who was there?
  - c. Who directed the conversation?

- d. What did you talk about?
- e. Was there anything you felt was unaddressed? Why?

(If debriefing did not occur)

- a. Would you have liked to discuss the event with colleagues or do you plan to in the future?
- b. Why do you think a conversation didn't happen?
  - i. [Refer to earlier mention of time constraints, reactions of others, subsequent events]

- V. Sitting here now, what are your thoughts on the event?
  - a. Has it occupied your thoughts?
  - b. Has your perspective changed since directly after the event?
  - c. Did the conversation we just spoke about influence this perspective? How?