**Video:** It is preferred that sites synchronously video record encounters from two angles; one that provides a broad view of the simulated environment and one a close-up view that details the participants’ actions. For e.g., during an operating room scenario, interactions between the surgeon, nurse, HS and FR should be captured on a wide angle to facilitate rating team work and behavioral performance, while close angle video capture should be obtained to determine the medications or other technical interventions that participants have made. If the site’s recording capabilities only allow for one video angle, than use the wide angle described.

All study encounters (include those involving laparoscopic surgeries that normally would take place in the dark) are to be fully lighted to facilitate video capture.

**Audio:** Synchronous audio capture of the performance is to be made. ‘Lapel’ microphones for participants or confederates are not required.

Note that music, as often is heard in operating rooms today, is not to be played during the scenarios so as not to muddle the audio capture. Similarly, ‘small talk’ or banter between confederates could add an element of realism to the scenarios, but must be kept to a minimum in terms of amount and volume in order to improve the capture of participants’ discussions and utterances.

If a participant gives a medication whose identity or dosage are unclear, the simulation director should instruct a confederate (nurse or surgeon) to ask the participants as unobtrusively as possible to clarify the action. For e.g., ‘What are you giving the patient?’

**Vital signs**: the simulator’s vital sign monitor, synchronized to the video and audio recordings, is to be uploaded to the database with the encounter. It can appear embedded as a ‘picture in a picture’ of one of the video feeds, or as a separate window.

**Upload requirements: (synchronized)**

1. At least one video angle, showing participants performing with the team, with as much detail about individual actions as possible
2. Audio recording
3. Recording of simulated patient’s vital sign monitor