

Video Based Assessments

New initiative to provide blinded, objective feedback of operative skill

- Will not be used in formal evaluations
- Will also provide edited operative footage for individual review

What we need you to do:

1. Record three videos throughout the academic year

- 1st video (July-Sept), 2nd video (Oct-March), 3rd video (April-July)
- Must use UCLA approved encrypted flash drives
- Can purchase individual flash drive using book funds
- Individuals to Pick-up or Drop-off USB
 - Ian MacQueen (SMH)
 - Formosa Chen (OV)
 - Justin Wagner (Everywhere)
 - James Wu (RR UCLA, SMH, OV)

2. Submit VBA form along with USB

- Link: https://uclahs.az1.qualtrics.com/jfe/form/SV_8voN1Fvr11uZH7g



- QR Code:

Choosing operations to record:

- Recommend 2 of 3 videos are of same procedure (not required)
- Record operations at your skill level
- At current time, only laparoscopic cases
- Note: Olive View, recording only available via lap tower (not available in OR4 and OR6)

Table 1. Recommended operations by PGY level

PGY			
1	Lap Appy	Basic skills (e.g. entering with optiview)	
2	Lap Appy	Basic skills (e.g. entering with optiview)	
3	Lap Chole	Lap G-tube, PD Catheter, Etc	Lap Ventral Hernia Repair (IPOM)
4	Lap Inguinal Hernia Repair	Lap Lysis of Adhesions, Small Bowel Resection	Lap Graham Patch
5	Lap Hemicolectomy	Lap Hiatal Hernia Repair	Lap Distal Panc or Splenectomy

Measurement of Operative Skill: Objective Structured Assessment of Technical Skills

- Validation of an objective structured assessment of technical skill for surgical residents. *Academic medicine: journal of the Association of American Medical Colleges*, 71(12), pp.1363-1365.
- Video ratings of surgical skill and late outcomes of bariatric surgery. *JAMA surgery* 151.6 (2016): e160428-e160428
- Evaluation of surgical fellows' laparoscopic performance using Global Operative Assessment of Laparoscopic Skills (GOALS). *Surgical endoscopy*, 28(4), pp.1284-1290.

Recording in the OR



Insert USB

In some RR UCLA OR, USB slot is in the wall behind black door/gate

Push in to release screen



No need to enter patient or resident data
Enter anything in required fields



Press here to start recording video
Can also ask nursing staff for help



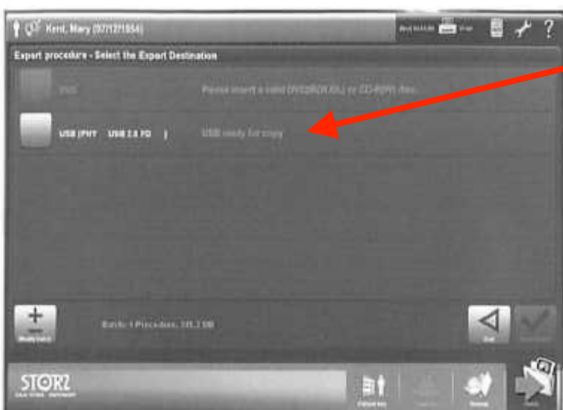
When case is completed, press here to review files

No need to delete files



To export video and/or stills, press here

Next, press here to export to USB



Will "light up" if USB is acceptable
Sometimes will be recognized but
grey if format not correct

Depending on length of
surgery, can take a while
Usually files can be retrieved
up to a few days after it is
recorded

RESEARCH INFORMATION SHEET

Implementation of Deliberate Practice Framework in General Surgery Training

INTRODUCTION

James Wu, Justin Wager, Formosa Chen, Catherine Lewis, Areti Tillou, Timothy Donahue from the Department of Surgery at the University of California, Los Angeles are conducting a research study. This study is being self-funded. You were selected as a possible participant in this study because you are a categorical general surgery resident. Your participation in this research study is voluntary.

WHAT SHOULD I KNOW ABOUT A RESEARCH STUDY?

- Someone will explain this research study to you.
- Whether or not you take part is up to you.
- You can choose not to take part.
- You can agree to take part and later change your mind.
- Your decision will not be held against you.
- You can ask all the questions you want before you decide.

WHY IS THIS RESEARCH BEING DONE?

To assess whether integrating elements of deliberate practice into general surgery residency training will improve objective measures of operative skill and operative autonomy.

HOW LONG WILL THE RESEARCH LAST AND WHAT WILL I NEED TO DO?

Participation will take a total of about *30 minutes spread throughout the academic year. This is the extra time spent recording operative footage and submitting operative video for blinded feedback.*

If you volunteer to participate in this study, the researcher will ask you to do the following:

- *Record your operative footage three (3) times during the academic year, and submit the flash drive to study personnel along with a short questionnaire*
- *You will have your behavior in the operating room audited 1-2 times throughout the academic year*
- *You will be asked to complete a survey about confidence, autonomy, and satisfaction with current general surgery residency curriculum*

ARE THERE ANY RISKS IF I PARTICIPATE?

- *Only minimal risk relates to privacy. We will protect the privacy of residents by using a study ID, blinded assessments, encrypted USB drives. Operative footage and video-based assessments will not be used in summative assessments of residents.*

ARE THERE ANY BENEFITS IF I PARTICIPATE?

You may benefit from the study by receiving blinded, objective feedback of your operative skill. This study is designed to identify the best method to improve surgical education at UCLA.

What other choices do I have if I choose not to participate?

Your alternative to participating in this research study is to not participate.

HOW WILL INFORMATION ABOUT ME AND MY PARTICIPATION BE KEPT CONFIDENTIAL?

The researchers will do their best to make sure that your private information is kept confidential. Information about you will be handled as confidentially as possible, but participating in research may involve a loss of privacy and the potential for a breach in confidentiality. Study data will be physically and electronically secured. As with any use of electronic means to store data, there is a risk of breach of data security.

Use of personal information that can identify you:

You will be given a study ID. Identifying information will only be kept on encrypted UCLA devices.

How information about you will be stored:

Data and video footage will only be stored on encrypted UCLA devices, secure data storage (Box), and encrypted flash drives.

People and agencies that will have access to your information:

Study personnel will have access to link study ID back to your individual. The study team will retain deidentified video footage of operations. You may request any segment of footage that can be used to identify you to be destroyed. The raw and edited footage will be made available to the participant at any time upon request.

The research team and authorized UCLA personnel may have access to study data and records to monitor the study. Research records provided to authorized, non-UCLA personnel will not contain identifiable information about you. Publications and/or presentations that result from this study will not identify you by name.

Employees of the University may have access to identifiable information as part of routine processing of your information, such as lab work or processing payment. However, University employees are bound by strict rules of confidentiality.

How long information from the study will be kept:

Deidentified research data and video footage will be kept with no current set end date.

Your data and/or footage, including de-identified data may be kept for use in future research.

WHO CAN I CONTACT IF I HAVE QUESTIONS ABOUT THIS STUDY?

The research team:

If you have any questions, comments or concerns about the research, you can talk to the one of the researchers. Please contact:

James Wu

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(303) 518-3186

Justin Wagner

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UCLA Office of the Human Research Protection Program (OHRPP):

If you have questions about your rights as a research subject, or you have concerns or suggestions and you want to talk to someone other than the researchers, you may contact the UCLA OHRPP by phone: (310) 206-2040; by email: participants@research.ucla.edu or by mail: Box 951406, Los Angeles, CA 90095-1406.

WHAT ARE MY RIGHTS IF I TAKE PART IN THIS STUDY?

- You can choose whether or not you want to be in this study, and you may withdraw your consent and discontinue participation at any time.
- Whatever decision you make, there will be no penalty to you, and no loss of benefits to which you were otherwise entitled.
- You may refuse to answer any questions that you do not want to answer and still remain in the study.

You will be given a copy of this information to keep for your records.