Using Digital Assessment Tools in Competence by Design ...and beyond

Michele Farrugia, PD Lisa St. Amant, PGME Anand Lakhani, PGY1

Objectives

- When and How to use our digital assessment tools
 - Elentra
 - DOC

Which When?

- Elentra
 - University wide
 - For EPA assessment
 - CBD residents only
 - PGY-1 (and PGY-2)
 - UTorID

- DOC
 - Our department only
 - DEEF
 - O-Score
 - Case Log
 - Any PGY

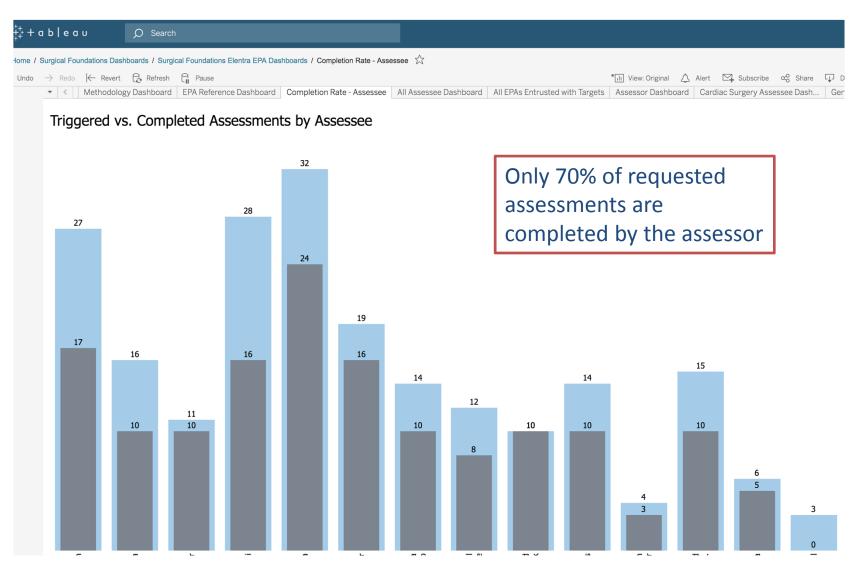
Adding a Digital tool to your handheld device

1. Scan QR Code



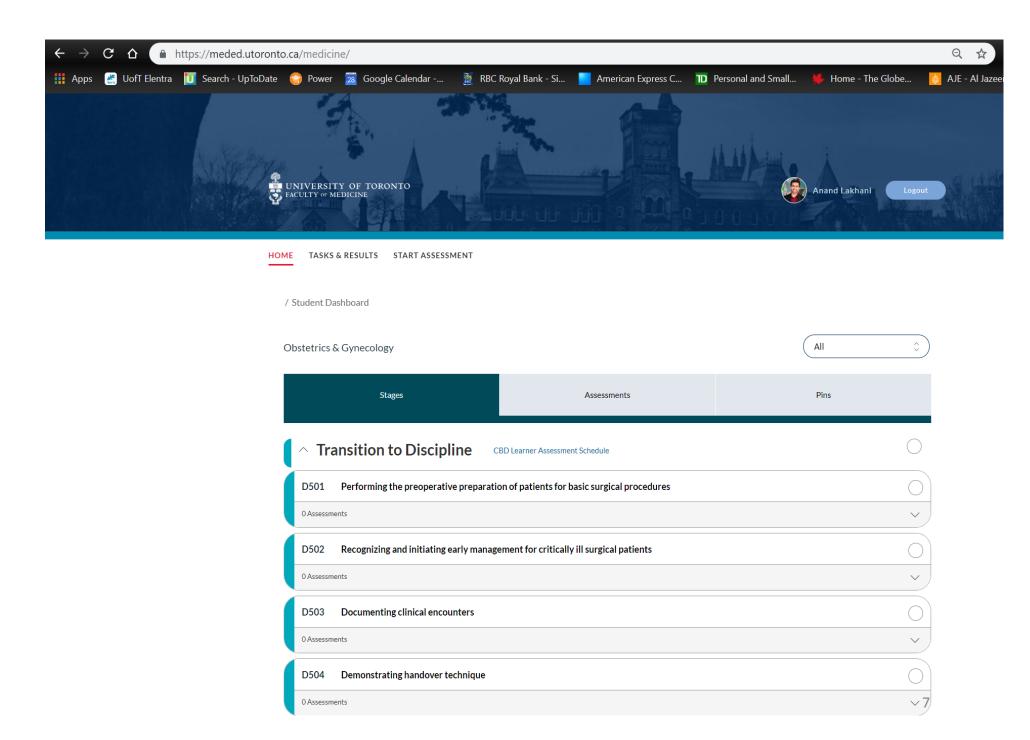
Aim your camera here to go to **Elentra**

Non-completion of assessments



Elentra Tip....

 Tableau allows us to identify faculty who are asked for an assessment but do not complete/submit one....



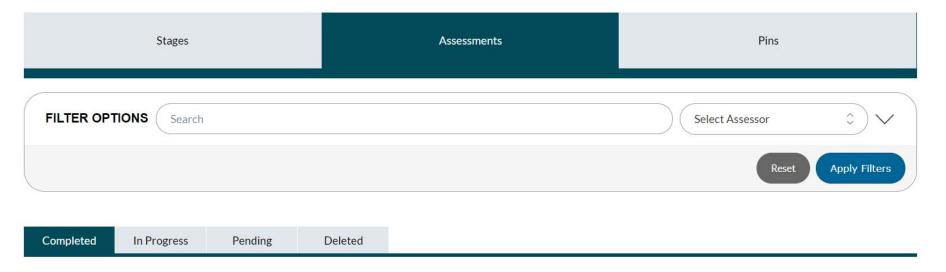




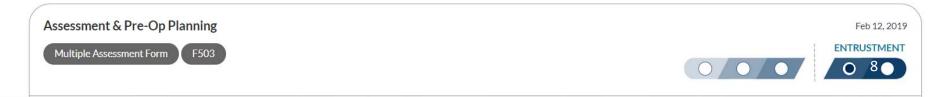


HOME TASKS & RESULTS START ASSESSMENT

Obstetrics & Gynecology



Completed Assessments



/ My Assessments / Start Assessment

Selec	t Assessor
Fari	rugia, Michele (mfarrugia@mtsinai.on.ca)
Selec	t Program
Obs	stetrics & Gynecology
Selec	t Date of Encounter
201	19-04-08
•	Complete now Complete the assessment now on this device. The assessor will receive a confirmation email upon submission. Complete and confirm via email Complete an assessment using the selected tool. Upon completion, the assessor will receive an email notification asking them to review/edit and confirm the assessment. Email blank form The assessor will receive an email notification to complete an assessment based on the selected tool.
Stage	e of Residency
F: F	oundations of Discipline
Asses	ssment tool
Assess	sment & Pre-Op Planning 🗶

Complete the assessment now on this device. The assessor will receive a confirmation email upon submission.







F503: Assessing and performing risk optimization for preoperative patients in preparation for surgery

This tool assesses the following EPA

• EPA-FOD-SF-3: Assessing and performing risk optimization for preoperative patients in preparation for surgery

Demographics

Type of Assessor / Role University appointed faculty Type of Assessment Direct observation Rotation Service Core Ob/Gyn Site

Assessment

Completed by assessor

- · Indicate the rating that best applies
- . NOTE: If unable to assess, indicate NO RATING

Performs focused clinical assessments with recommendations that are well-documented



Selects and/or interprets approp investigations and/or imaging w sufficient attention to clinical details



Develops and implements plans for pre-op optimization of patients



Uses appropriate prophylaxis (eg antibiotics, PE prophylaxis)



Considers urgency and potential for deterioration, in advocating for timely execution of a procedure or therapy

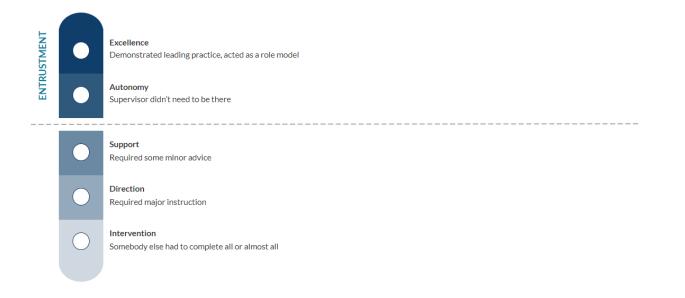
Incorporates disease prevention, health promotion & health surveillance into interactions w pts



Indicate the OVERALL entrustment in this EPA at this time

Entrustment of this professional activity implies that the resident demonstrated an autonomous performance of the activity/task in a safe and effective manner at this time

Assessing and performing risk optimization for preoperative patients in preparation for surgery



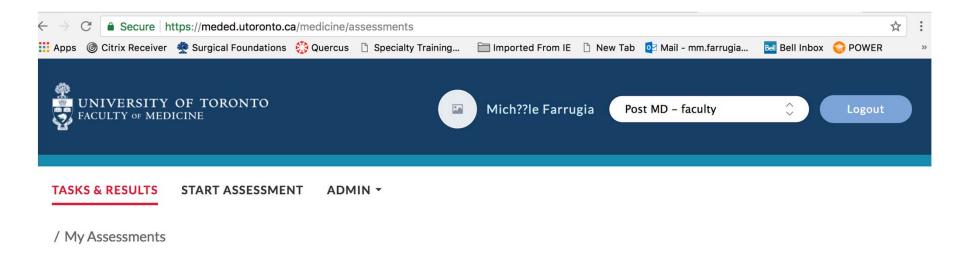
Feedback & Comments

Describe 2-3 strengths and actions or areas for improvement

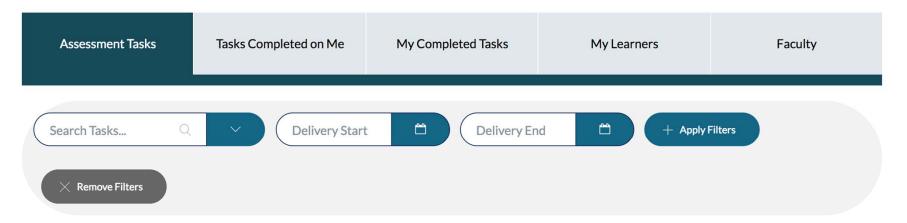
2 - 3 Strengths	
2 - 3 Actions or areas for improvement	
Other comments	

Save as draft & email assessor a link

Submit



Tasks & Results Dashboard

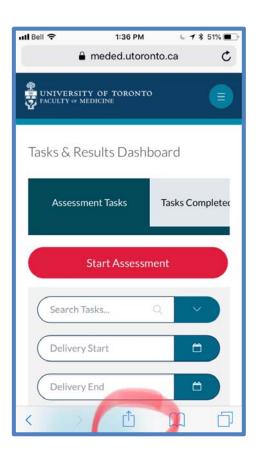


Assessment Tasks

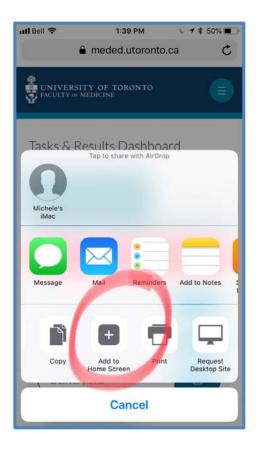
You currently have no Assessments to complete.

Adding a Digital tool to your handheld device

2. Upload website



3. Add to homescreen



4. Logo on homescreen



Introducing DOC



DOCs (version Feb26 2019)

HELP! What's an O-Score? https://www.dropbox.com/s/qv5g2ftkwcu6n5u/OSCORE.pdf?dl=0

- * Required
- 1. Which form would you like to submit? *
 - Case log to track my procedures
 - DEEF to assess a non-technical encounter
 - O-Score to assess a technical skill

Updated DEEF O-Score Case Log

Submit

Never give out your password. Report Abuse

DOC

Ideally

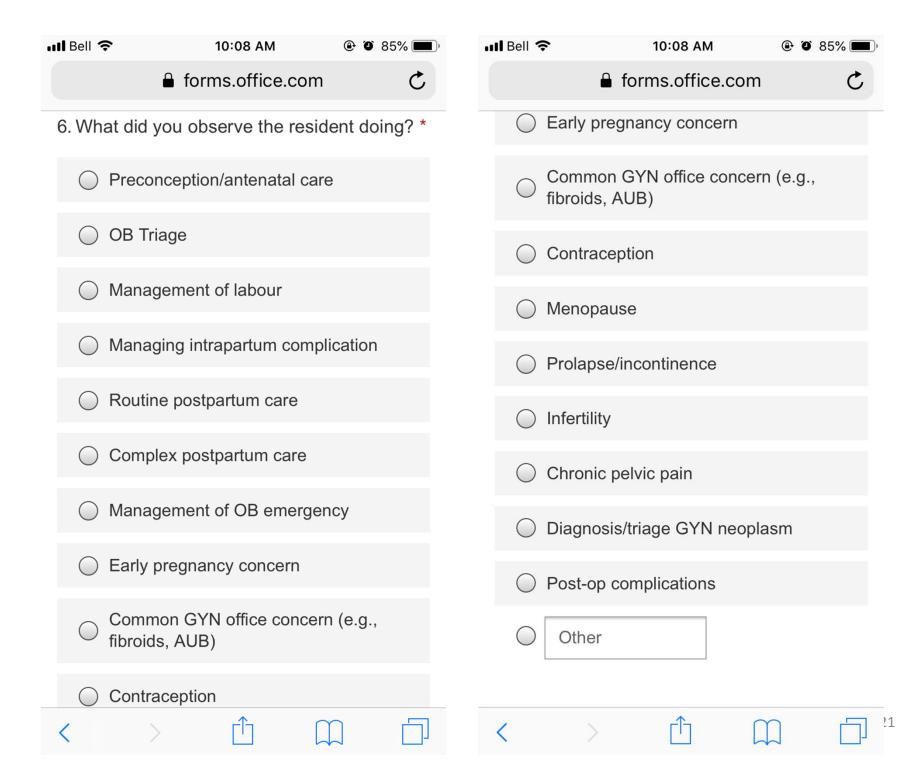
- Resident asks assessor ahead of time
- Part of coaching! Establish goals.....
- Verbal feedback provided and form completed immediately after an encounter
- Completed on resident's device
- Can be emailed to faculty member too
- Faculty can also initiate on their own device
- Results collated at 123 Edward St. and provided to faculty supervisors and residents



DEEF

- To assess non-technical skills
- Narrative comments provide residents with the most information that allows them to learn and improve
- Intended to be FORMATIVE
- Low stakes assessment

1. Which form would you like to submit? *	
Case log to track my procedures	
DEEF to assess a non-technical encounter	
O-Score to assess a technical skill	
2. Date of encounter *	
4/5/2019	
3. PGY-Level *	
1	
① 2	
3	
4	
5	
4. Select a PGY1 resident from the list below *	
LAKHANI, Anand	



Farrugia, Michele		
What did you observe the	e resident doing? *	
Rate the resident's overal 1. Intervention - requires of		
2. Direction - requires supp	ervision and others' guidance nal supervision or guidance	Entrustment sca
	quire guidance or supervision es excellence; is a good role model	
Feedback Discuss the resident's strengths, appropriate.	/weaknesses/suagestions for improvemen	nt. Try to comment on several CanMEDS Roles, as
Enter your answer	Lots of narrati	

O-Scores

- Tool to assess surgical competency
- Simple to understand and use
- Widely used in surgical specialties
- In our context, intended to be FORMATIVE and low stakes

The Ottawa Surgical Competency Operating Room Evaluation (O-SCORE): A Tool to Assess Surgical Competence

Wade T. Gofton, MD, MEd, FRCSC, Nancy L. Dudek, MD, MEd, FRCPC, Timothy J. Wood, PhD, Fady Balaa, MD, MEd, FRCSC, and Stanley J. Hamstra, PhD

Acad Med 2012

Abstract

Purpose

Most assessment of surgical trainees is based on measures of knowledge, with limited evaluation of their competence to actually perform various surgical procedures. In this study, the authors evaluated a tool they designed to assess a trainee's competence to perform an entire surgical procedure independently, regardless of procedure type or postgraduate year (PGY).

Method

In phase 1, the Ottawa Surgical Competency Operating Room Evaluation (O-SCORE) was piloted in the University of Ottawa's Division of Orthopaedic Surgery. In phase 2, the refined 11item tool (8 items rated on a 5-point competency scale, 1 item assessing procedural competence, 2 feedback items) was used in the Divisions of Orthopaedic Surgery and General Surgery to assess residents' performance on 11 common procedures. Quantitative and qualitative analyses were conducted.

Results

In phase 2, 34 orthopaedic and general surgeons assessed the performance of 37 residents in 163 procedures. ANOVA demonstrated an effect of PGY. Post hoc analysis found that total procedure scores for PGYs 1 and 2 were lower than

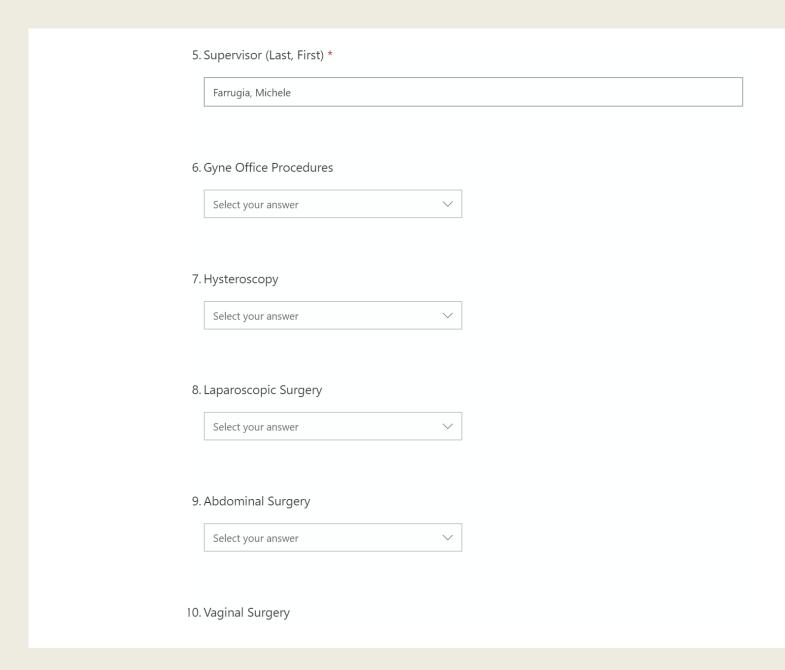
those for PGY 3 (P < .001), and PGY 3 scores were lower than those for PGYs 4 and 5 (P < .02). Analysis of qualitative data indicated that the rating scale was practical and useful for surgeons and residents

Conclusions

This novel evaluation tool successfully discriminated between junior and senior residents and identified surgical competency across various PGY levels regardless of procedure type. Multiple sources of evidence support the O-SCORE as a valid tool for the assessment of trainee operative competency.



1.	Which form would you like to submit? *	
	Case log to track my procedures	
	DEEF to assess a non-technical encounter	
	O-Score to assess a technical skill	
2.	Date of procedure *	
	Please input date in format of M/d/yyyy	Ē
2	PGY-Level *	
٥.		
	1	
	1	
	12	
	123	



14. Procedure complexity *

Low

Medium

High

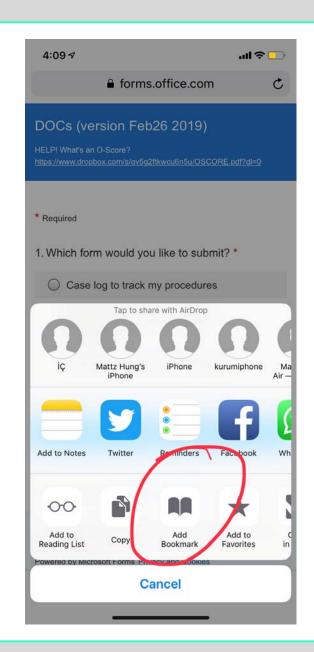
15. Rate the resident's performance *

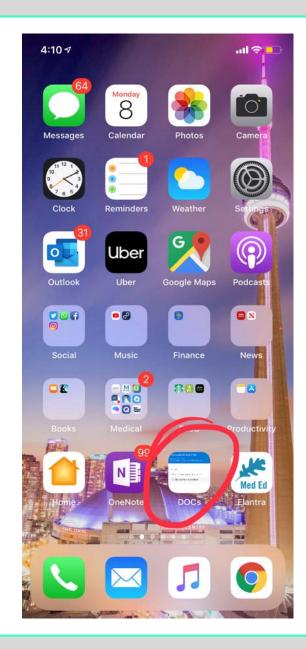
- 1 Intervention (requires others' actions for completion)
- 2 Direction (requires supervision and others' guidance for completion)
- 3 Support (requires minimal supervision or guidance for completion)
- 4 Autonomy (does not require guidance or supervision for completion)
- 5 Excellence (demonstrates excellence; is a good role model)

Entrustment scale



16. Is the resident able to perfor	rm this procedure independently? *
Yes	
No	
17. Who initiated this assessmer	nt? *
The resident	
The faculty	
	aknesses/suggestions for improvement. Try to comment on several CanMEDS Roles,
appropriate	
Enter your answer	Narrative is very helpful
-	





Conclusions

 Please use Elentra and DOC to document meaningful feedback to our residents



