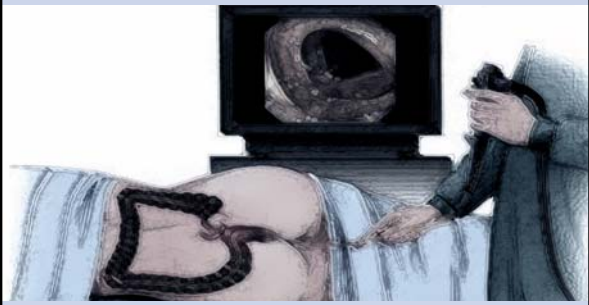


Self-assessment Accuracy of Pediatric Endoscopists

A prospective cross sectional study



Catharine Walsh, Simon Ling, Jenifer Lightdale, Petar Mamula, & Heather Carnahan

No Disclosures



Self Assessment

An illustration of a doctor in a white coat holding a clipboard. The clipboard has a checklist titled "Areas for Development" with three numbered items: 1., 2., and 3. The doctor is holding a pen over the clipboard.

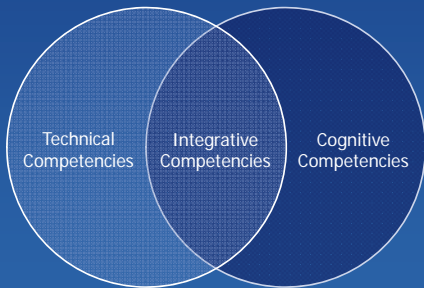
Areas for Development

- 1.
- 2.
- 3.

Objective

To establish if pediatric endoscopists of differing levels of expertise can reliably self-assess their ability to perform clinical colonoscopies using the Gastrointestinal Endoscopy Competency Assessment Tool for pediatric colonoscopy (GiECAT_{kids})

GiECAT_{kids}



Walsh CM et al., JPGN 2014;59(4):480-6 and Walsh CM et al., JPGN 2015;60(4):474-480

GiECAT_{kids}



Intra-procedure



Pre-procedure



Post-procedure

Participants



56
Endoscopists



Participants



56
Endoscopists



- 25 Novice
- 21 Intermediate
- 10 Experienced



Expert Assessment



Self Assessment



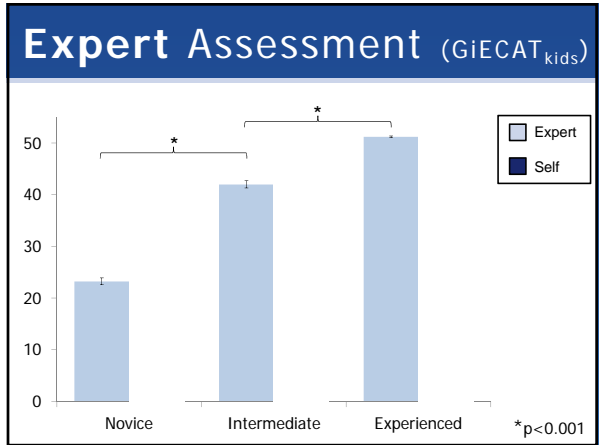
Results

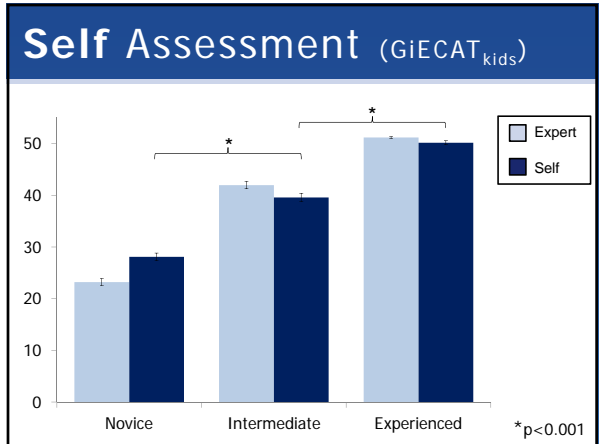


Experts: Inter-rater Reliability

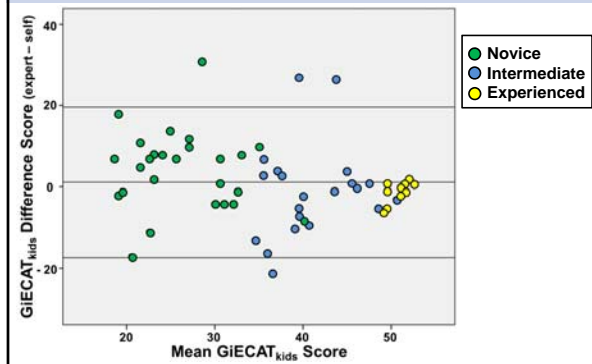


Total: $ICC_{1,1} = 0.88 [0.74-0.95]$

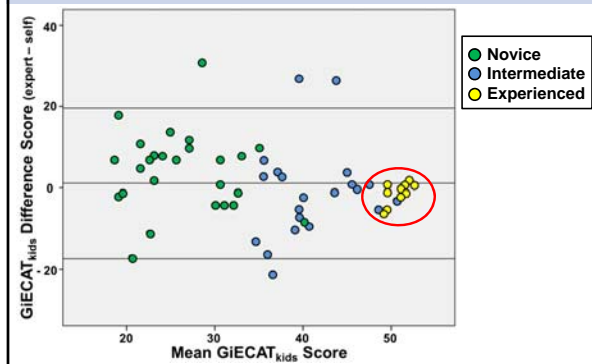




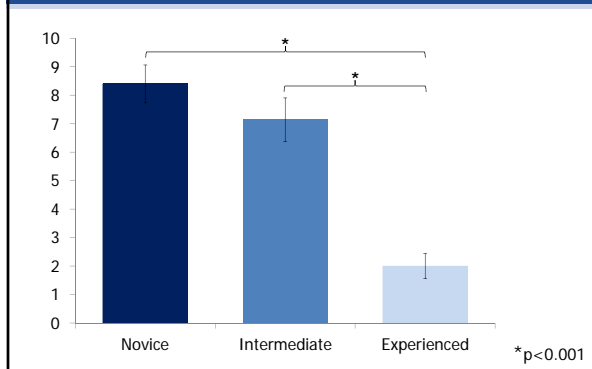
Bland-Altman Plot



Bland-Altman Plot



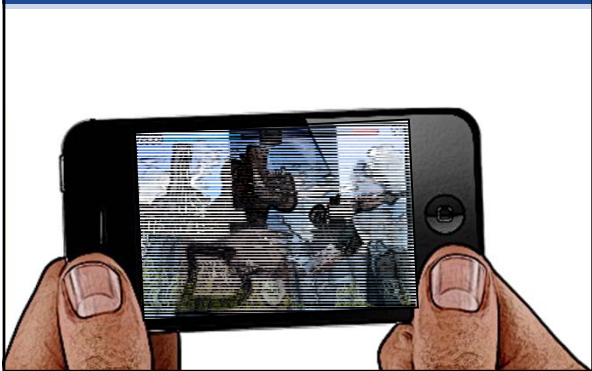
Difference Scores (Expert - Self)



Learners' Self-Perceptions



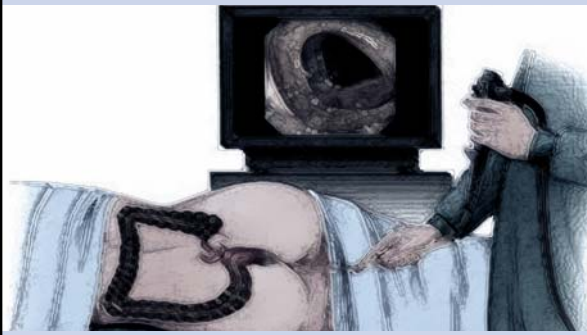
Future Directions



Acknowledgements



Questions / Comments



catharine.walsh@utoronto.ca

Endoscopist Characteristics

Pediatrics

Level	Demographic Characteristics (%)					
	Training Level		Hand Dominance		Sex	
	<i>Fellow</i>	<i>Attending</i>	<i>Right</i>	<i>Left</i>	<i>Male</i>	<i>Female</i>
<i>Overall</i>	82.1	17.9	91.1	8.9	41.1	58.9
<i>Novice (25)</i>	100.0	0	96.0	4.0	32.0	68.0
<i>Intermediate (21)</i>	100.0	0	90.5	9.5	42.9	57.1
<i>Advanced (10)</i>	0	100.0	80.0	20.0	60.0	40.0
