

The Educational Value of the Use of a Simcapture-Feedback Process in the Training of Obstetrics and Gynecology Residents

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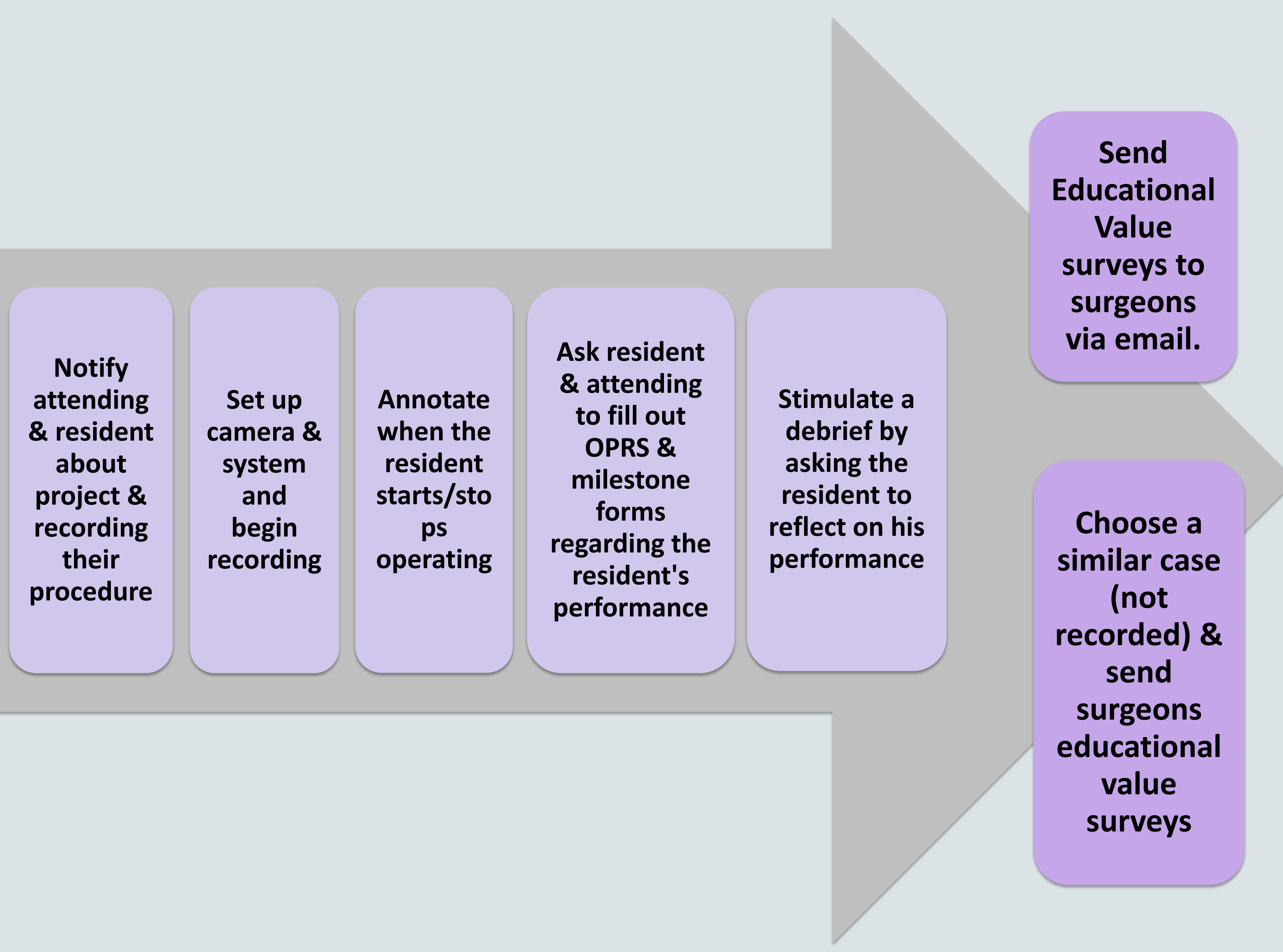
Introduction

- Teaching technical skills in the operating room is an important part of residency training in obstetrics & gynecology
- Providing residents with **structured teaching and adequate feedback** is a challenge
- A formal process to guide faculty surgeons as teachers and residents as learners during surgical procedures is beneficial

Objectives

- Improve and enforce the residents' learning experience in the operating room
- Demonstrate the importance & effectiveness of debriefing and providing feedback in real-time
- Introduce video technology (SimCapture) to further enhance the teaching/learning process

Method



Results

12 of 23 OB/Gyn residents participated

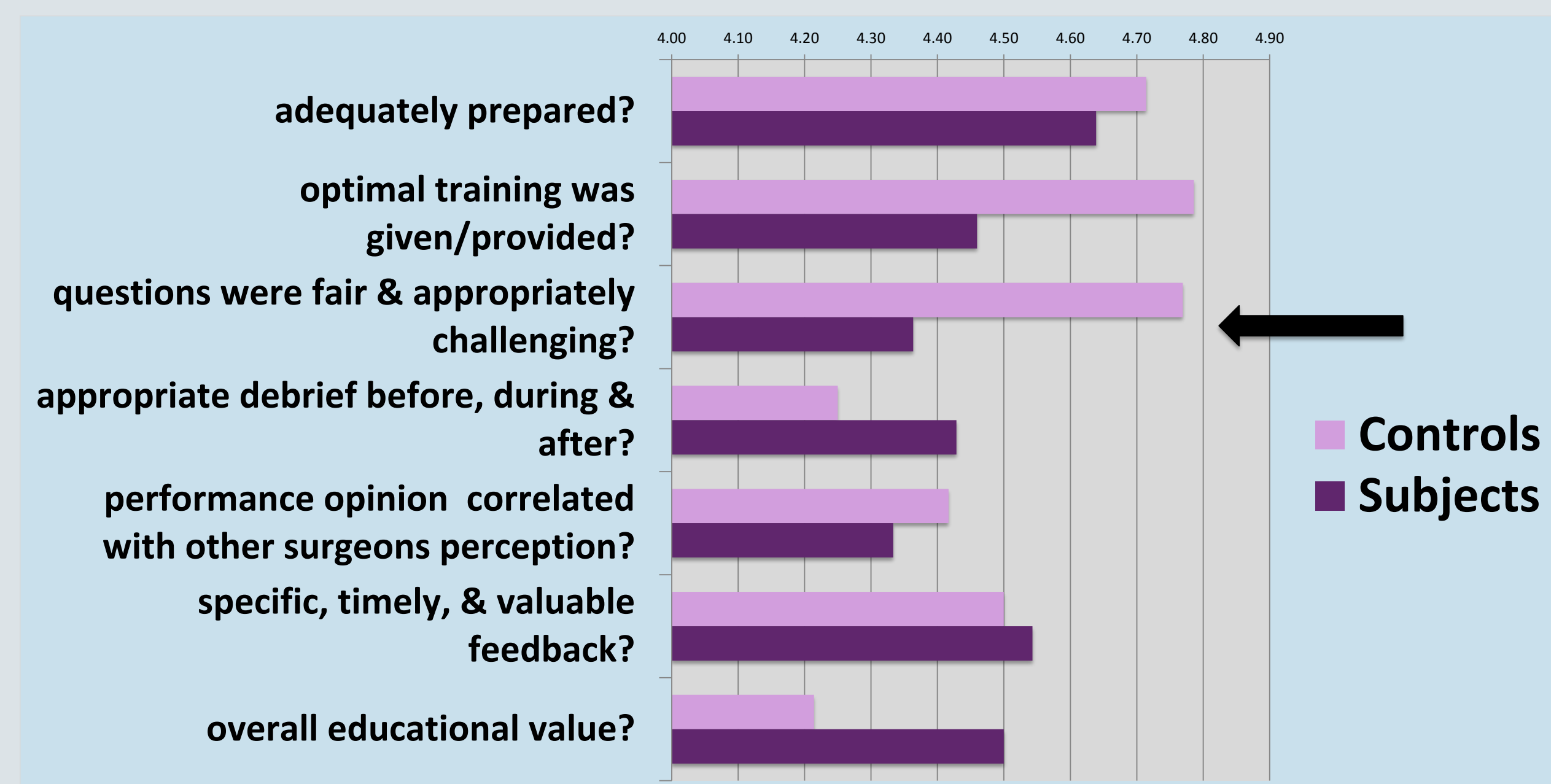
Year 1	2
Year 2	5
Year 3	3
Year 4	2

22 different attending surgeons participated

Case Breakdown

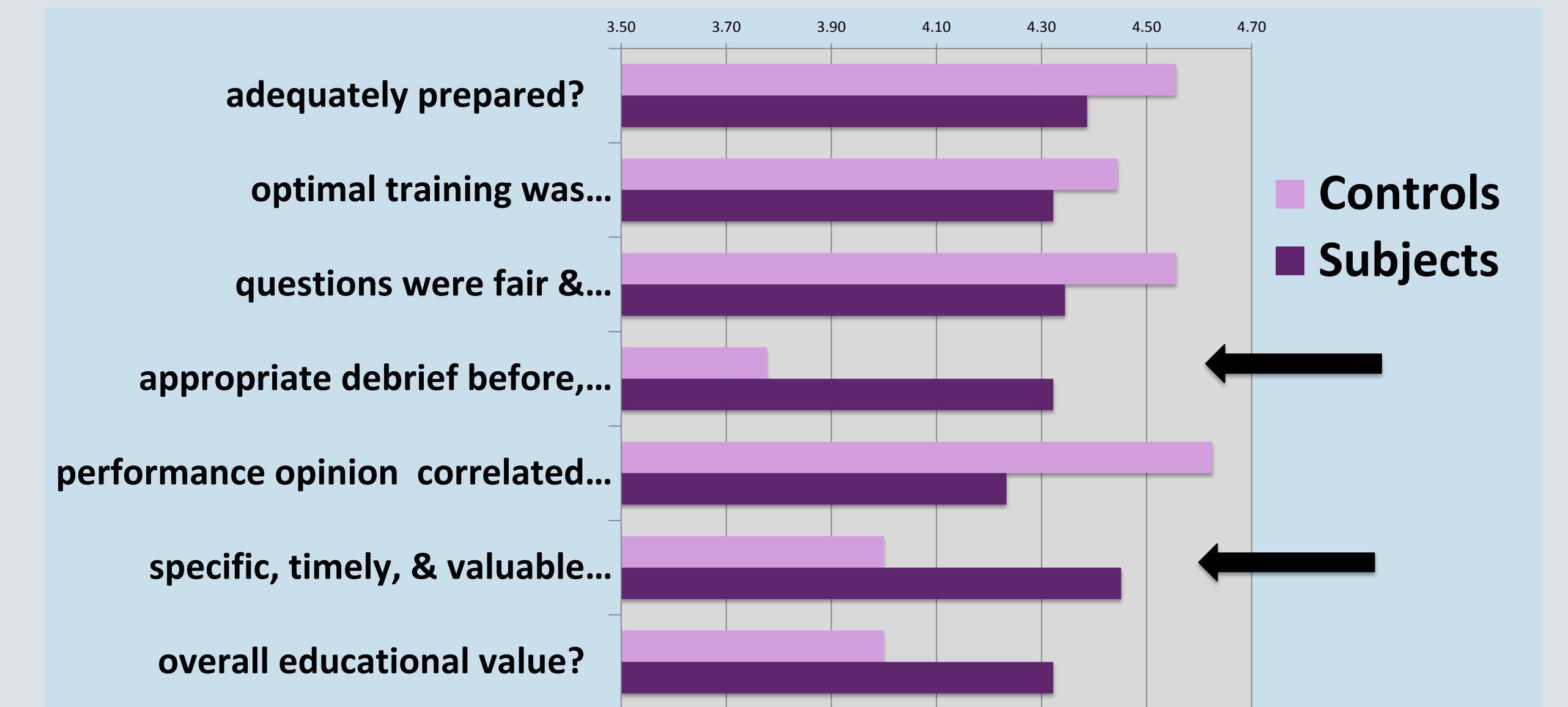
	Subject	Control
Cesarean Section	17	4
Robotic Hysterectomy	8	1
Hysteroscopy	12	8
Bilateral Tubal Ligation	3	2

Residents' Responses



	Subjects	Controls	P Values
adequately prepared?	4.6389	4.7143	0.868
optimal training?	4.4595	4.7857	0.053
questions were fair & appropriately challenging?	4.3636	4.7692	0.031
appropriate debrief?	4.4286	4.2500	0.262
performance opinion correlated?	4.3333	4.4167	0.664
specific & timely feedback?	4.5429	4.5000	0.409
overall educational value?	4.5000	4.2143	0.086

Attendings' Responses



	Subjects	Controls	P Values
adequately prepared?	4.3871	4.5556	0.838
optimal training?	4.3226	4.4444	0.160
questions were fair & appropriately challenging?	4.3448	4.5556	0.599
appropriate debrief?	4.3226	3.7778	<0.001
performance opinion correlated?	4.2333	4.6250	0.451
specific & timely feedback?	4.4516	4.0000	<0.001
overall educational value?	4.3226	4.0000	0.531

- In **87%** of the subject cases, the **resident** noted value in the video feedback process.
- In **75%** of the subject cases, the **attending** noted value in the video feedback process.

Conclusion

- For residents, the Simcapture-Feedback process enhanced both training and the educational value of the surgical teaching experience when compared to traditional teaching methods
- In Attending surgeons the Simcapture Feedback protocol lead to a greater focus on the feedback process and enforced educational teaching in the operative setting
- Attendings were more aware of debrief process and will employ in future cases
- Novel valuation forms provided more specific feedback to the residents and augmented the overall educational experience

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