RAPID IMPLEMENTATION OF FLS CURRICULUM FOR OBGYN RESIDENTS AND THE EFFECT ON FLS SCORES

Erica F. Robinson, MD and Janelle K. Moulder, MD MSCR, Wake Forest School of Medicine, Winston Salem, NC, Wake Forest School of Medicine, Winston Salem, NC

Introduction:
In January 2018, the American Board of Obstetrics and Gynecology (ABOG) released new requirements requiring the successful completion of Fundamentals of Laparoscopic Surgery (FLS) for all residents graduating in 2020 and beyond. Thusly, in 2018 rapid curriculum development and implementation occurred for the 2020 residency class. We demonstrate one FLS curriculum with outcomes of our inaugural resident cohort.

Methods:
• Data were collected from 2018-2019 when 12 residents were required to complete FLS.
• Curriculum included: a timeline for module completion, proficiency data for skills, four FLS labs, and additional 1:1 practice opportunities
• Bivariate analysis was performed to evaluate association between post-graduate year (PGY) and FLS scores. Regression analysis was performed to evaluate association between FLS component score (cognitive and manual skills) and pre-test modules score, adjusted for PGY.

Results:
• 12 Residents (6 PGY2, 6 PGY3, however 1 PGY2 delayed for unrelated reasons)
• All 11 residents passed FLS on first attempt.
• Table 1 demonstrates mean scores of pretest modules, FLS cognitive skills, and FLS manual skills.
• The cognitive score increased by 3.93 points for each point correct in the pre-test module score, and PGY3 scored 54.1 points greater than PGY2 (p=0.001). The manual skills score increased by 3.28 points for each point correct in the pre-test module score, and the PGY3 score was 30.96 points greater than PGY2 (p=0.13).

Conclusion:
Despite lack of established FLS curricula in OBGYN, rapid implementation incorporating independent study and group simulations resulted in 100% pass rate. PGY3 outperformed PGY2 in pre-test scores, FLS manual and cognitive scores. The pre-test modules did predict the cognitive skills performance, with PGY3 performance increased compared to PGY2.

Table 1: Mean Scores

<table>
<thead>
<tr>
<th></th>
<th>Overall</th>
<th>PGY2</th>
<th>PGY3</th>
<th>p values</th>
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<tbody>
<tr>
<td>Pretest Module (%)</td>
<td>78.5 +/- 11.9</td>
<td>74.5 +/- 17</td>
<td>81.5 +/- 5.3</td>
<td>0.38</td>
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<tr>
<td>Cognitive Skills</td>
<td>540 +/- 20.5</td>
<td>496 +/- 68.4</td>
<td>576.67 +/- 44.6</td>
<td>0.004</td>
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<tr>
<td>Manual Skills</td>
<td>554</td>
<td>525.2 +/- 99.4</td>
<td>578.3 +/- 40.4</td>
<td>0.26</td>
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