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Brigham and Women’s Hospital

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Emory University School of Medicine

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Mayo Clinic

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Pediatric Specialists of Virginia

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University of Florida

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Mayo Clinic

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Stanford University Medical Center

Thomas M. McLoughlin, Jr., M.D.
Lehigh Valley Health Network

Margaret Pisacano, BSN, J.D.
UK Healthcare

James P. Rathmell, M.D.
Brigham and Women’s Hospital

DIRECTORS
PROGRAM DIRECTOR MEETINGS
NEW ABSENCE FROM TRAINING POLICY

Effective July 1, 2019
<table>
<thead>
<tr>
<th>OLD POLICY</th>
<th>NEW POLICY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Up to 12 weeks (60 working days) of time away during CA1-3 years</td>
<td>• Up to 12 weeks (60 working days) of time away during CA1-3 years</td>
</tr>
<tr>
<td>• Absences in excess of policy will require lengthening total training</td>
<td>• Up to <strong>8 additional weeks of leave</strong> with ABA-approval (40 working days)</td>
</tr>
<tr>
<td>time</td>
<td><strong>without extending training</strong></td>
</tr>
<tr>
<td></td>
<td>• Additional leave must be approved by the program director and chair</td>
</tr>
<tr>
<td></td>
<td>prior to submission</td>
</tr>
</tbody>
</table>
• We’ve received more than 50 requests since the policy became effective on July 1 – most have been for family leave, but several have been for residents’ medical leave

• We recognize the challenges the policy may pose; however, we believe it is in the best interest of our trainees and the patients they serve

• We welcome your feedback and will continue to monitor the impact of the policy on programs
**RESEARCH INITIATIVES**

**EVALUATION OF PRIMARY CERTIFICATION**

Adding the BASIC Exam increased knowledge at the end of residency as measured by written post-graduation exams.

Details on how we administer and score the oral exam.

**EVALUATION OF MOCA®**

Participation in MOCA, including MOCA Minute, is associated with fewer license actions taken by state medical licensing boards against physicians.

**PHYSICIAN WELL-BEING & WORKFORCE ANALYSIS**

Noted prevalence of burnout, distress, and depression among anesthesiology residents over past seven years.

Perceived institutional support and work-life balance impact well-being.
FUTURE OSCE VALIDATION RESEARCH

- OSCE description manuscript
- OSCE first-year results
- Analysis of OSCE and SOE measurement constructs
- Impact of OSCE on training programs
ADDITIONAL CERTIFICATION PATHWAY
# TWO AEP PATHWAYS

## RESEARCH & FELLOWSHIP PATHWAY
- Internationally-trained and certified
- Practicing in U.S.
- Pre-existing track record of scholarship as represented by the scholarship of discovery, dissemination and application
- Complete four years of continuous experience in one anesthesiology department
- Approved four-year plan of fellowship training, research or faculty experience
- Funding for K or R grants from NIH, FAER, AHA, APSF, IARS, DOD, VA merit

## CLINICIAN EDUCATOR PATHWAY
- Internationally trained in an ABA-approved training program with 4+ years (3+ years of anesthesiology-specific training) of post-graduate education in anesthesiology
- Letter of support from sponsoring program’s chair & PD
- Valid unrestricted medical license for scope of practice
- Board certification in anesthesiology from an ABA-approved certifying body
- Clinically active with a faculty appointment for four continuous years in an ACGME-accredited anesthesiology program
- Academic rank of assistant professor or higher at the time of application
- Approved four-year mentoring plan for future academic development as a clinician educator
CONTENT OUTLINE UPDATES

• **Initial Certification Examinations Content Outline**
  – In 2021, the content outline will change to reduce duplication in regional anesthesia topics and to clarify descriptors for the In-Training Exam - Anesthesiology and the ADVANCED Exam

• **Objective Structured Clinical Exam Content Outline (APPLIED Exam)**
  – In 2020, the Interpretation of Monitors and Interpretation of Echocardiograms skills will be combined so all candidates will be tested in both areas
In 2020, we’re transitioning some of our MOCA Minute multiple-choice questions from four- to three-response options
– Diplomates will receive MOCA Minute questions with both three- and four-response options

Also in 2020, we’ll pilot three-option questions with other assessments:
– Pediatric Anesthesiology Exam, Critical Care Medicine Exam and In-Training Exams for Pediatrics and Critical Care Medicine

We will consider transitioning other assessments to three-option questions based on the pilot results
FEES CHANGING FOR FIRST TIME SINCE 2012

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Increase</th>
<th>2020 Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITE-Anesthesiology</td>
<td>$75</td>
<td>$175</td>
</tr>
<tr>
<td>ITE-Subspecialties</td>
<td>$75</td>
<td>$175</td>
</tr>
<tr>
<td>BASIC</td>
<td>$100</td>
<td>$875</td>
</tr>
<tr>
<td>ADVANCED/Part 1</td>
<td>$100</td>
<td>$875</td>
</tr>
<tr>
<td>APPLIED/Part 2</td>
<td>$300</td>
<td>$2,400</td>
</tr>
<tr>
<td>Subspecialties</td>
<td>$200</td>
<td>$1,800</td>
</tr>
<tr>
<td>MOCA</td>
<td>No Change</td>
<td>$210; $100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(1st certificate; each additional one)</td>
</tr>
</tbody>
</table>
2020 IN-TRAINING EXAMINATION DATES

Anesthesiology: Feb. 6-10

Pain Medicine: March 19-21

Pediatric Anesthesiology: Feb. 20-22

Critical Care Medicine: April 16-18
The correlation between the 2019 ITE scaled scores and 2019 June BASIC Exam scaled Scores is 0.684, p < 0.001
# RELATION OF SCORES
2019 ITE TO 2019 JUNE BASIC EXAM

<table>
<thead>
<tr>
<th>Scaled Score</th>
<th>Percentile Rank in CA1</th>
<th>N</th>
<th>2019 June BASIC Scaled Score Mean (S.D.)</th>
<th>BASIC Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤25</td>
<td>≤7</td>
<td>145</td>
<td>194 (41)</td>
<td>54%</td>
</tr>
<tr>
<td>26-30</td>
<td>10-31</td>
<td>475</td>
<td>219 (37)</td>
<td>82%</td>
</tr>
<tr>
<td>31-35</td>
<td>38-64</td>
<td>625</td>
<td>247 (38)</td>
<td>95%</td>
</tr>
<tr>
<td>36-40</td>
<td>72-89</td>
<td>392</td>
<td>280 (38)</td>
<td>99%</td>
</tr>
<tr>
<td>41-45</td>
<td>91-98</td>
<td>145</td>
<td>313 (43)</td>
<td>100%</td>
</tr>
<tr>
<td>≥46</td>
<td>≥98</td>
<td>35</td>
<td>343 (46)</td>
<td>100%</td>
</tr>
</tbody>
</table>
The correlation between the 2019 ITE scaled scores and 2019 July ADVANCED Exam scaled Scores is 0.571, p < 0.001.
# RELATION OF SCORES

## 2019 ITE TO 2019 JULY ADVANCED EXAM

<table>
<thead>
<tr>
<th>Scaled Score</th>
<th>Percentile Rank in CA3</th>
<th>N</th>
<th>2019 July ADVANCED Scaled Score Mean (S.D.)</th>
<th>ADVANCED Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤25</td>
<td>≤1</td>
<td>5</td>
<td>168 (48)</td>
<td>40%</td>
</tr>
<tr>
<td>26-30</td>
<td>1-4</td>
<td>58</td>
<td>182 (55)</td>
<td>57%</td>
</tr>
<tr>
<td>31-35</td>
<td>6-22</td>
<td>302</td>
<td>219 (42)</td>
<td>87%</td>
</tr>
<tr>
<td>36-40</td>
<td>30-58</td>
<td>569</td>
<td>240 (43)</td>
<td>94%</td>
</tr>
<tr>
<td>41-45</td>
<td>65-87</td>
<td>431</td>
<td>264 (42)</td>
<td>99%</td>
</tr>
<tr>
<td>≥46</td>
<td>≥90</td>
<td>182</td>
<td>304 (46)</td>
<td>100%</td>
</tr>
</tbody>
</table>
2019 JUNE BASIC EXAM RESULTS

- Candidates were assigned to examine on Friday or Saturday
- Key validation eliminated thirteen items from two forms
- 89.7% of residents passed

<table>
<thead>
<tr>
<th>N</th>
<th>Mean Scaled Score</th>
<th>Standard Deviation</th>
<th>Pass Rate</th>
<th>Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,825</td>
<td>249.4</td>
<td>51.6</td>
<td>89.7%</td>
<td>0.85</td>
</tr>
</tbody>
</table>
2019 JULY ADVANCED EXAM RESULTS

• Candidates were assigned to examine on Friday or Saturday

• Key validation eliminated six items from two forms

• 92.1% of candidates passed

<table>
<thead>
<tr>
<th>N</th>
<th>Mean Scaled Score</th>
<th>Standard Deviation</th>
<th>Pass Rate</th>
<th>Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,643</td>
<td>246.9</td>
<td>53.4</td>
<td>92.1%</td>
<td>0.78</td>
</tr>
</tbody>
</table>
SOE/PART 2 EXAM SUCCESS RATES

[Line graph showing success rates for First Time Takers, Total Group, and Repeaters from 2012 to 2019 Week 1-8]
The correlation between the 2019 SOE scaled scores and first attempt on 2018 JULY ADVANCED Exam scaled scores is 0.284, $p < 0.001$
### 2019 OSCE RESULTS: WEEKS 1-8

**N** | **Mean Scaled Score** | **Standard Deviation** | **Pass Rate**
--- | --- | --- | ---
1,582 | 253.4 | 38.8 | 94.6%

1,567 candidates took both SOE and OSCE

<table>
<thead>
<tr>
<th></th>
<th>OSCE: Fail</th>
<th>OSCE: Pass</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOE: Fail</td>
<td>34 (2.2%)</td>
<td>142 (9.1%)</td>
<td>176 (11.2%)</td>
</tr>
<tr>
<td>SOE: Pass</td>
<td>58 (3.7%)</td>
<td>1,333 (85.1%)</td>
<td>1,391 (88.8%)</td>
</tr>
<tr>
<td>Total</td>
<td>92 (5.9%)</td>
<td>1,475 (94.1%)</td>
<td>1,567 (100%)</td>
</tr>
</tbody>
</table>
The correlation between the 2019 OSCE scaled scores and first attempt on 2018 JULY ADVANCED Exam scaled scores is 0.190, p < 0.001
The correlation between the 2019 OSCE scaled scores and 2019 SOE scaled scores is 0.409, $p < 0.001$. 

RELATIONSHIP BETWEEN OSCE AND SOE SCORES
QUESTIONS?

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