**Supplemental Digital Appendix 1**

**Pre-Curriculum Survey**

| Study ID #__________ |

**Baseline Information**

<table>
<thead>
<tr>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PGY</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td>Male</td>
<td>Female</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Estimated number of prior successful intubations (during residency)  ______**

**Prior rotations**

<table>
<thead>
<tr>
<th>NICU</th>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICU (BCH or BMC)</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Anesthesia</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>ICP</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>
**Airway Anatomy**

Identify the following structures:
1. ______________________
2. ______________________
3. ______________________
4. ______________________
5. ______________________

**Intubation Equipment**

What size **cuffed** endotracheal tube would you select for a 4 year old patient?

1. 3.0  
2. 3.5  
3. 4.0  
4. 4.5  
5. 5.0
What size **uncuffed** tube would you use for a 1500g newborn? ____________

1. 2.0  
2. 2.5  
3. 3.0  
4. 3.5  
5. 4.0

What is the appropriate anticipated tube insertion depth when intubating a 10 year old child?

1. 13-14 cm  
2. 15-16 cm  
3. 17-18 cm  
4. 19-20 cm  
5. 21-22 cm

__Laryngoscopy__

Use the following 2 pictures to answer the questions below.

A

B

Which of the blades shown above

... is a Macintosh (Mac) blade? A  B

... is designed to be inserted into the vallecula? A  B

... is preferred when intubating an infant? A  B

Grade the following 2 laryngeal views (using modified Cormack-Lehane)

1. Grade 1
2. Grade 2a
3. Grade 2b
4. Grade 3
5. Grade 4
Which is the most reliable method of confirming correct ETT positioning?
1. Condensation in the tube
2. End tidal CO2
3. Auscultation
4. Pulse oximetry
5. Equal chest rise

Post-Curriculum Survey

Study ID #___________

Airway Anatomy

Identify the following structures:
1. ________________
2. ________________
3. ________________
4. ________________
5. ________________
**Intubation Equipment**

What size **cuffed** endotracheal tube would you select for a 4 year old patient?

- 6. 3.0
- 7. 3.5
- 8. 4.0
- 9. 4.5
- 10. 5.0

What size **uncuffed** tube would you use for a 1500g newborn?

- 6. 2.0
- 7. 2.5
- 8. 3.0
- 9. 3.5
- 10. 4.0

What is the appropriate anticipated tube insertion depth when intubating a 10 year old child?

- 6. 13-14 cm
- 7. 15-16 cm
- 8. 17-18 cm
- 9. 19-20 cm
- 10. 21-22 cm

**Laryngoscopy**

Use the following 2 pictures to answer the questions below.

A  
B
Which of the blades shown above
... is a Macintosh (Mac) blade? A B
... is designed to be inserted into the vallecula? A B
... is preferred when intubating an infant? A B

Grade the following 2 laryngeal views (using modified Cormack-Lehane)

6. Grade 1
7. Grade 2a
8. Grade 2b
9. Grade 3
10. Grade 4
Which is the most reliable method of confirming correct ETT positioning?
6. Condensation in the tube
7. End tidal CO2
8. Auscultation
9. Pulse oximetry
10. Equal chest rise

Prior to taking this course, how confident were you in your intubation skills?

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Confident at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely Confident</td>
</tr>
</tbody>
</table>

After taking this course, how confident are you in your intubation skills?

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Confident at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely Confident</td>
</tr>
</tbody>
</table>

How helpful was seeing videos as part of the instruction?

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>[ ] N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Helpful at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely Helpful</td>
</tr>
</tbody>
</table>
What was most valuable about the airway teaching sessions?
Post-Curriculum 3-Month Follow Up Survey  

Airway Anatomy

Identify the following structures:
1. __________________________
2. __________________________
3. __________________________
4. __________________________
5. __________________________

Intubation Equipment

What size cuffed endotracheal tube would you select for a 4 year old patient?

11. 3.0  
12. 3.5  
13. 4.0  
14. 4.5  
15. 5.0
What size **uncuffed** tube would you use for a 1500g newborn? 
11. 2.0  
12. 2.5  
13. 3.0  
14. 3.5  
15. 4.0

What is the appropriate anticipated tube insertion depth when intubating a 10 year old child?
11. 13-14 cm  
12. 15-16 cm  
13. 17-18 cm  
14. 19-20 cm  
15. 21-22 cm

**Laryngoscopy**

Use the following 2 pictures to answer the questions below.

Which of the blades shown above
... is a Macintosh (Mac) blade?  
A  B
... is designed to be inserted into the vallecula?  
A  B
... is preferred when intubating an infant?  
A  B
Grade the following 2 laryngeal views (using modified Cormack-Lehane)

11. Grade 1
12. Grade 2a
13. Grade 2b
14. Grade 3
15. Grade 4
Which is the most reliable method of confirming correct ETT positioning?
11. Condensation in the tube
12. End tidal CO2
13. Auscultation
14. Pulse oximetry
15. Equal chest rise

Currently, how confident are you in your intubation skills?

1   2   3   4   5   6   7   8   9   10
Not Confident at all  Extremely Confident

Have you had a chance to intubate a patient since you participated in the airway management curriculum?

[ ] No
[ ] Yes

If yes, were you successful?  [ ] Yes  [ ] No