

Supplemental Digital Appendix 1

Pre-Curriculum Survey

Study ID #_____

Baseline Information

Age _____

PGY 1 2 3 4

Gender Male Female

Estimated number of prior successful intubations (during residency) _____

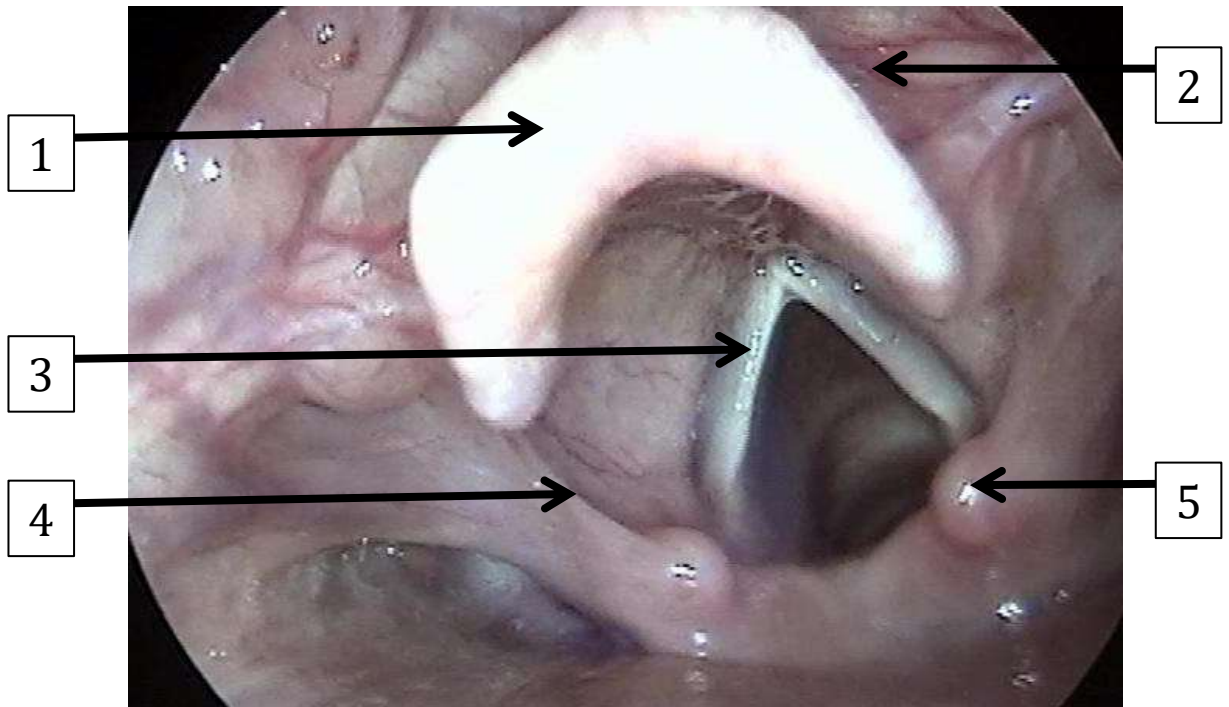
Prior rotations

NICU	Y	N
PICU (BCH or BMC)	Y	N
Anesthesia	Y	N
ICP	Y	N

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



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

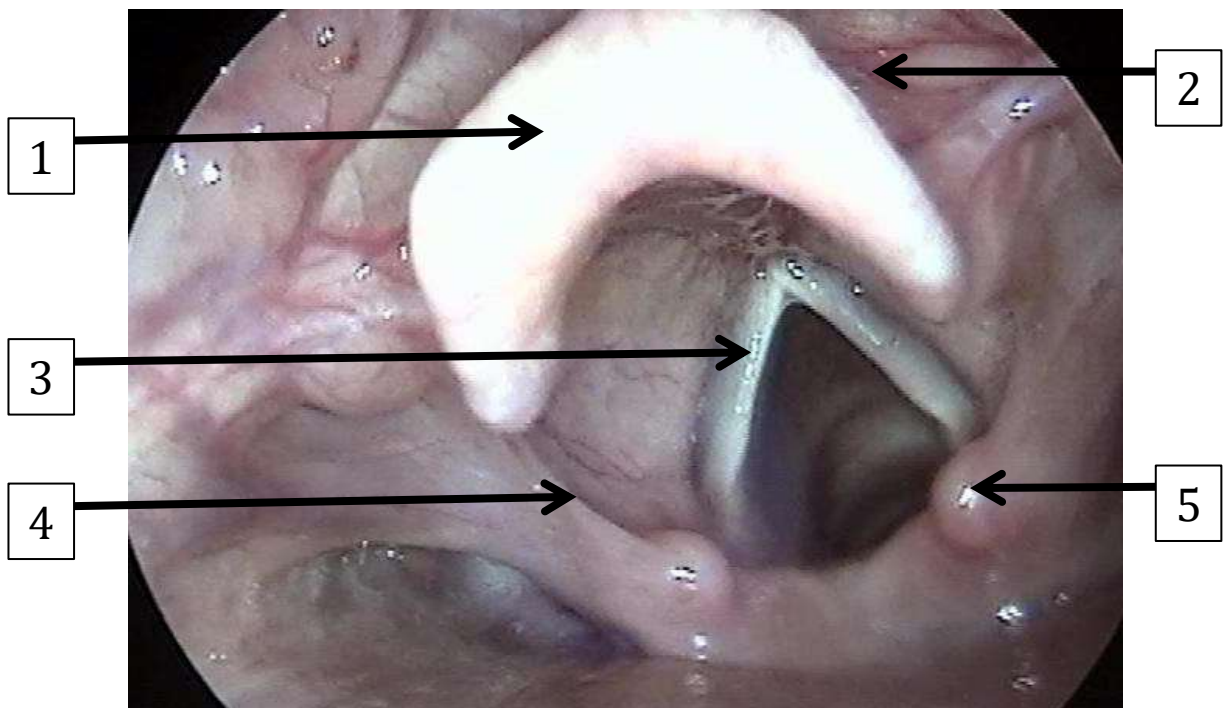
Post-Curriculum Survey

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
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- 6. Grade 1
- 7. Grade 2a
- 8. Grade 2b
- 9. Grade 3
- 10. Grade 4



- 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?

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

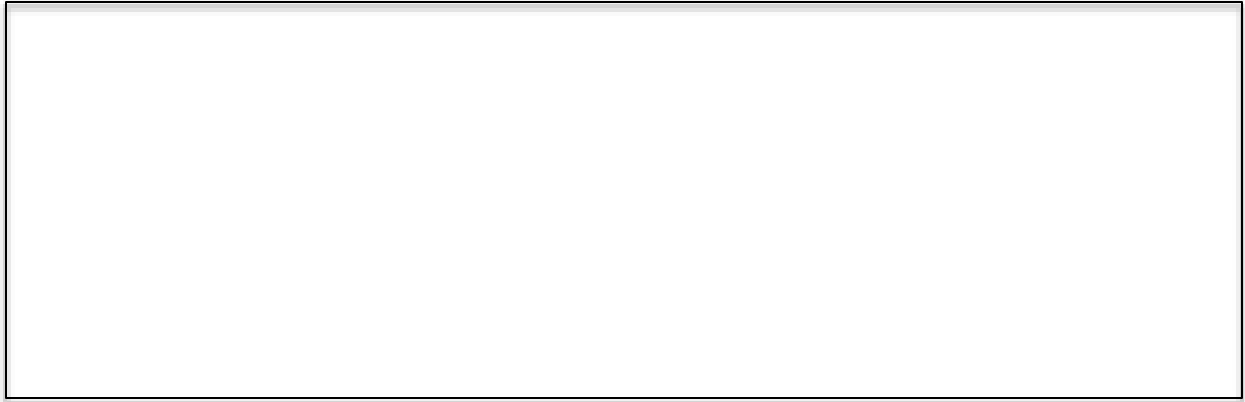
After taking this course, how confident are you in your intubation skills?

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

How helpful was seeing **videos** as part of the instruction?

1	2	3	4	5	6	7	8	9	10	[] N/A
Not Helpful at all										Extremely Helpful

What was most valuable about the airway teaching sessions?

A large, empty rectangular box with a thin black border, intended for a text response to the question above it.

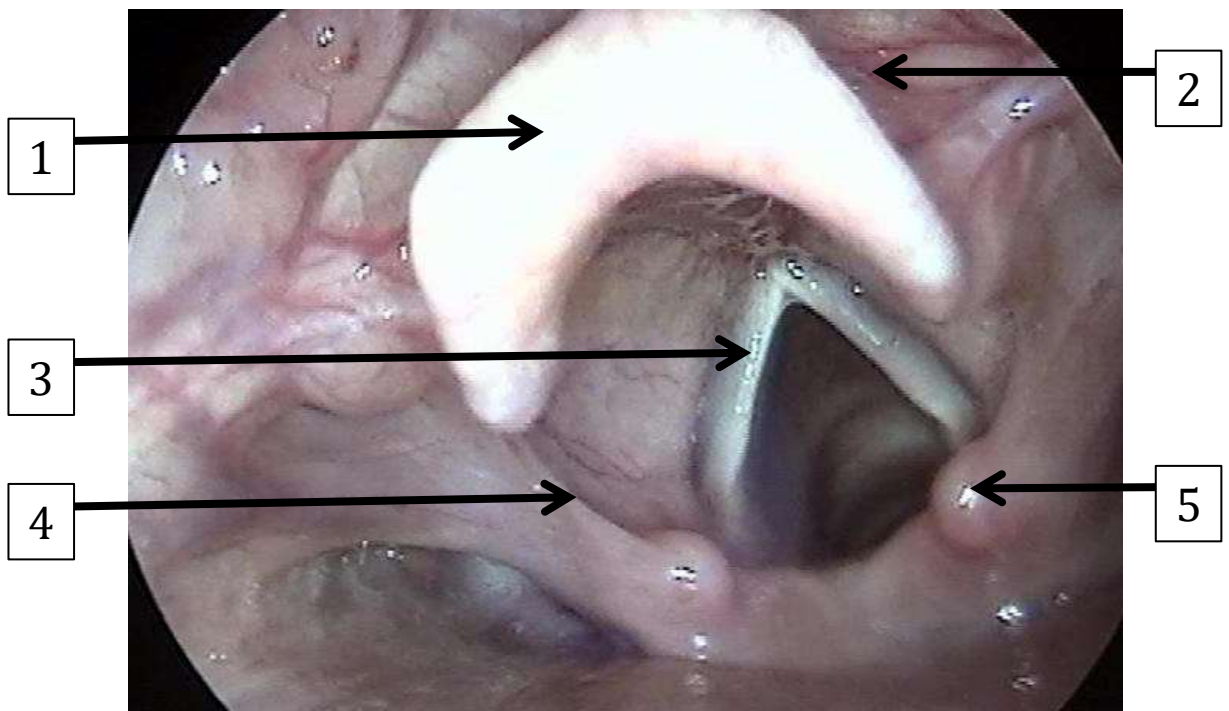
Post-Curriculum 3-Month Follow Up Survey

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?

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.

A



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Which of the blades shown above

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... is preferred when intubating an infant?

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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



- 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