# **S3 Table. Complete survey results of medical professionals that had used the enclosure for simulated intubation/extubation procedures on mannequins at two different hospitals**

 aType of medical professional:

AGH: Allegheny General Hospital

WPH: West Penn Hospital

CRNA: Certified Registered Nurse Anesthetist

MD: Medical Doctor

Scale:

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|  **Strongly Agree Agree Neutral Disagree Strongly Disagree**  |
|  *5 4 3 2 1* |  |
| **Q1.       This box permits me to extubate appropriate sized patients safely.** |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) |  10 (50%) | 9 (45%) | 1 (5%) | 0 | 0 |
|  | WPH (n =19) | 13 (68%) | 6 (32%) | 0 | 0 | 0 |
|  | CRNA (n = 29) | 16 (55%) | 12 (41%) | 1 (3%) | 0 | 0 |
|  | MD (n = 10) | 7 (70%) | 3 (30%) | 0 | 0 | 0 |
|  | **Total (n=39)** | **23 (59%)** |  **15 (38%)** |  **1 (3%)** | **0** | **0** |
| **Q2.       I can place and access all needed airway equipment easily.** |
|  |  |  |  |  |  |  |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) | 5 (25%) | 15 (75%) | 0 | 0 | 0 |
|  | WPH (n =19) | 13 (68%) | 6 (32%) | 0 | 0 | 0 |
|  | CRNA (n = 29) | 18 (62%) | 11 (38%) | 0 | 0 | 0 |
|  | MD (n = 10) | 7 (70%) | 3 (30%) | 0 | 0 | 0 |
|  | **Total (n=39)** | 18 (46%) | 21 (54%) | 0 | 0 | 0 |

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| **Q3.       I can see the mannequin and procedural field clearly.** |  |
|  |  |  |  |  |  |  |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) | 14 (70%) | 6 (30%) | 0 | 0 | 0 |
|  | WPH (n =19) | 15 (79%) | 3 (16%) | 1 (5%) | 0 | 0 |
|  | CRNA (n = 29) | 20 (69%) | 8 (28%) | 1 (3%) | 0 | 0 |
|  | MD (n = 10) | 9 (90%) | 1 (10%) | 0 | 0 | 0 |
|  | **Total (n=39)** | 29 (74%) | 9 (23%) | 1 (3%) | 0 | 0 |

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| **Q4.       The box ergonomics are acceptable.** |  |  |  |
|  |  |  |  |  |  |  |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) | 7 (35%) | 11 (55%) | 1 (5%) | 1 (5%) | 0 |
|  | WPH (n =19) | 13 (68%) | 6 (32%) | 0 | 0 | 0 |
|  | CRNA (n = 29) | 14 (48%) | 14 (48%) | 0 | 1 (3%) | 0 |
|  | MD (n = 10) | 6 (60%) | 3 (30%) | 1 (10%) | 0 | 0 |
|  | **Total (n=39)** | 20 (51%) | 17 (43%) | 1 (3%) | 1 (3%) | 0 |

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| **Q5.       A helper can provide effective assistance in using the box.** |
|  |  |  |  |  |  |  |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) | 10 (50%) | 9 (45%) | 1 (5%) | 0 | 0 |
|  | WPH (n =19) | 15 (79%) | 4 (21%) | 0 | 0 | 0 |
|  | CRNA (n = 29) | 17 (59%) | 11 (38%) | 1 (3%) | 0 | 0 |
|  | MD (n = 10) | 8 (80%) | 2 (20%) | 0 | 0 | 0 |
|  | **Total (n=39)** | 25 (64%) | 13 (33%) | 1 (3%) | 0 | 0 |

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| **Q6.       The box permits me to safely perform endotracheal suctioning.** |
|  |  |  |  |  |  |  |
|  | **Response** | **5** | **4** | **3** | **2** | **1** |
|  | AGH (n = 20) | 10 (50%) | 8 (40%) | 2 (10%) | 0 | 0 |
|  | WPH (n =19) | 12 (63%) | 6 (32%) | 1 (5%) | 0 | 0 |
|  | CRNA (n = 29) | 16 (55%) | 10 (34%) | 3 (10%) | 0 | 0 |
|  | MD (n = 10) | 6 (60%) | 4 (40%) | 0 | 0 | 0 |
|  | **Total (n=39)** | 22 (56%) | 14 (36%) | 3 (8%) | 0 | 0 |