Supplemental Table: Multivariable logistic regression for first attempt success by fiberoptic intubation through a supraglottic airway vs. videolaryngoscopy.

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| --- | --- | --- | --- |
| Factors | Odds Ratio | 95% CI | p-value |
| FOI-SGA vs. VL | 1.32 | 0.87-2.00 | 0.193 |
| Infant (age <12 months) | 0.50 | 0.36-0.68 | <0.001 |
| Anticipated difficult airway | 1.31 | 0.89-1.94 | 0.175 |
| Pierre-Robin sequence | 0.72 | 0.46-1.13 | 0.149 |
| Inclusion criteria: failed direct laryngoscopy | 0.69 | 0.48-0.99 | 0.047 |
| Inclusion criteria: direct laryngoscopy felt harmful | 1.17 | 0.81-1.69 | 0.400 |
| Anesthesiology Attending as a Provider | 0.98 | 0.71-1.33 | 0.876 |
| Neuromuscular blockade use | 1.02 | 0.77-1.34 | 0.895 |

Footnote:

FOI-SGA, fiberoptic intubation through supraglottic airway; VL, videolaryngoscopy

A total N=900, Overall model was significant with P<0.0001. Goodness-of-fit chi-squared was 6.53 (p=0.59). Variables included in this model were those factors associated with FOI-SGA use in the univariate analysis in Table 1 or were *a priori* decided (anesthesiology attending vs. other provider).