

MS#14

Success of endotracheal intubation by novice users: a comparison of Glidescope, Airtraq and Macintosh laryngoscopes

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48 medical students with no prior intubation experience. Each student intubated a manikin with each of the three devices in four scenarios: normal airway, difficult airway (cervical spine immobility), difficult airway (pharyngeal swelling), and repeat normal airway.

Airtraq and Glidescope were consistently rated easier to use than the Macintosh. In most scenarios, **Airtraq was rated easier to use than Glidescope.**

Conclusion: For novice users, Airtraq and Glidescope show significant advantages in time to intubation as well as perceived ease-of use when compared to direct laryngoscopy. **Airtraq outperformed Glidescope in most scenarios.** We saw improvement in time to intubation as well as ease-of-use over a short training period.