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Confirmation of Proper Endotracheal Tube Placement Using Telemedical Technology: a Technique to Improve Far Forward Airway Management

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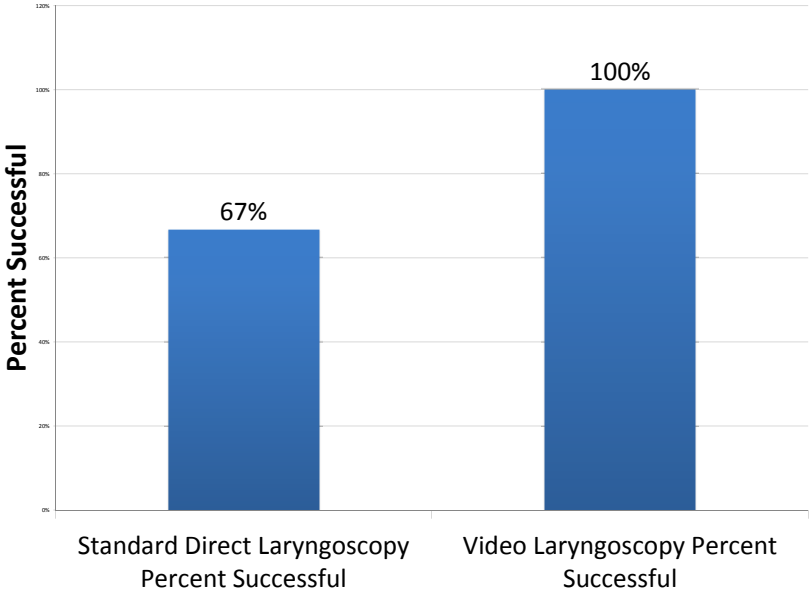
ABSTRACT

Airway management is a cornerstone of medical care for the trauma patient. At far forward battlefield areas there may be a shortage of anesthesia personnel and lessor-trained personnel may perform intubation. Improper placement of an endotracheal tube can result in death or brain injury. This study demonstrates the use of telebroncoscopy to document proper endotracheal tube placement in a manikin. The audiovisual connection was performed using Adobe Connect and low weight/cube airway imaging devices. The methods demonstrated offer great potential for documenting proper endotracheal tube placement during far forward battlefield airway management or patient transport.

Comparison of Percentage of Participants that Successfully Intubated the Mannequin Using Standard Direct Laryngoscopy Versus Video Laryngoscopy



Above: Video laryngoscope connected to Karl Storz C- Hub
Below: Bronchoscope connected to C-HUB with a C-CAM

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