

7-SIGMA Simulation Systems

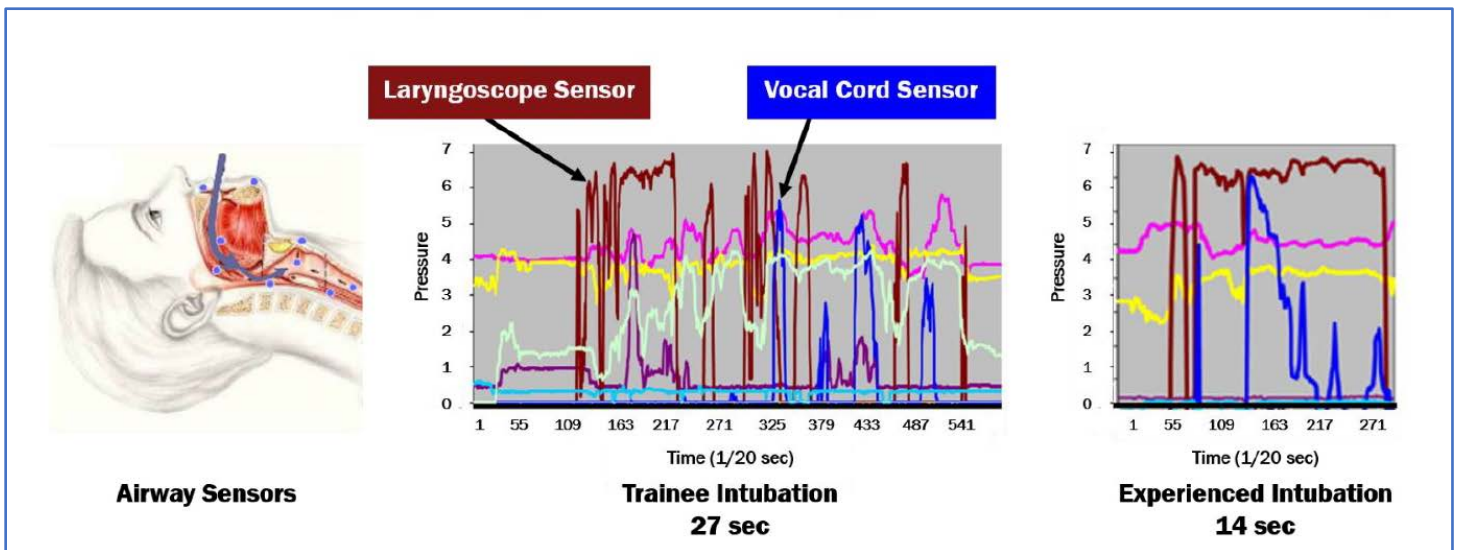
ASA 2018

## Sensor Airway Intubation Study

### The Intubation Excellence Database

Stanford Medicine's Technology Enabled Clinical Improvement Center  
&  
7-SIGMA Simulation Systems

### SENSOR-DRIVEN RESEARCH STUDY



The Stanford Technology Enabled Clinical Improvement (T.E.C.I) Center, under the direction of Dr. Carla Pugh, conducted a 3-day study of airway intubation at the American Society of Anesthesiology Conference in San Francisco. The study drew 140 participants (280 intubations) to establish a sensor-based database of experts, using 7-SIGMA Simulation Systems Advanced and Burn Victim Airway Trainers. The airways were fitted with sensors for force measurements, and the T.E.C.I's motion metrics data collection expertise collected intubation motion of experts.

As 7S<sup>3</sup> proceeds in the development of novel, high fidelity sensor-based airway management training systems, database performance collection not only helps us develop a better trainer but will provide the medical education community with data from which better assessment tools can be developed. Our continued working relationship with the Stanford T.E.C.I Center, and other leading educational institutions, is our commitment to the advancement of medical education training platforms.

We thank Dr. Pugh and the T.E.C.I staff for their expert participation. We also thank Karl Storz Endoscopy-America and Verathon, Inc. for use of their video laryngoscopes.