

RUSKID Smart Airway™

Core Temperature Monitoring, Simplified.

RUSKID has invented the Smart Airway™, a patented disposable laryngeal mask airway that integrates continuous core-temperature monitoring into the airway device. The Smart Airway™ also incorporates a tissue-contact sensor to validate temperature measurements.

Reliable Core-Temperature Monitoring

Continuous sensing built into a laryngeal mask, with tissue-contact sensing (TQI) to validate measurements.

Seamless Workflow Integration

No separate temperature probe; connects with existing anesthesia monitors and EMRs.

Cost-Effective Approach

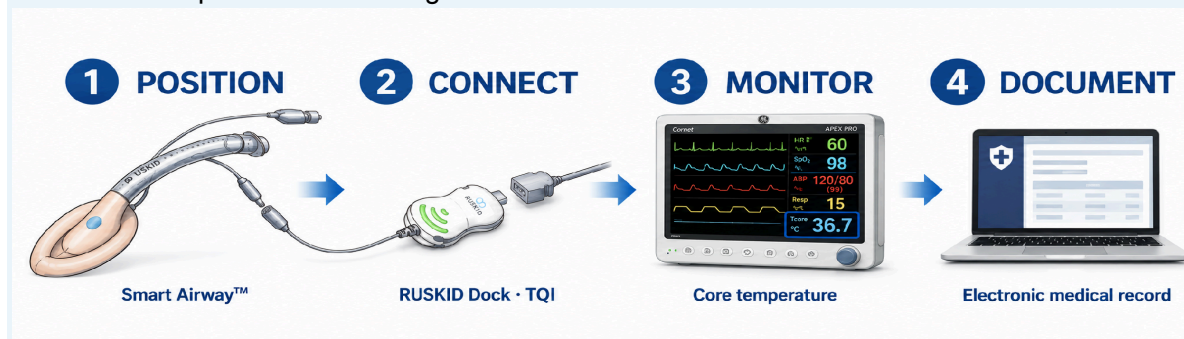
Cost-comparable to a standard laryngeal mask plus a disposable temperature probe.

The Monitoring Gap

Temperature monitoring presents a practical challenge during laryngeal mask anesthesia. The Smart Airway™ solves this problem by integrating temperature sensing directly onto the laryngeal mask airway.

Why Temperature Monitoring Matters

Perioperative hypothermia is linked to increased transfusion requirements, increased surgical-site infections, cardiac complications, shivering, and longer PACU stays. Domestic and international standards mandate continuous temperature monitoring.



Development Progress

Functioning prototypes have been developed, and bench and animal testing have been completed. Human clinical studies will begin shortly to validate the device. The Smart Airway™ is covered by an issued U.S. patent with 19 claims. RUSKID is pursuing further national and international IP protection.

Shape the Future of Temperature Monitoring

Visit RUSKID at booth 2521 at ANESTHESIOLOGY 2026 to see our working prototypes, share your clinical experience, and explore opportunities for clinical evaluation and strategic collaboration.

Richard Unger, MD | CEO, RUSKID LLC

richard@ruskid.com

Steve Kenney | President, RUSKID LLC

steve@ruskid.com

SELECTED REFERENCES 1. Sessler DI. Perioperative thermoregulation and heat balance. Lancet. 2016;387(10038):2655–2664. doi:10.1016/S0140-6736(15)00981-2. 2. Kurz A, Sessler DI, Lenhardt R, et al. Perioperative normothermia to reduce the incidence of surgical-wound infection and shorten hospitalization. N Engl J Med. 1996;334(19):1209–1215. doi:10.1056/NEJM199605093341901. 3. American Society of Anesthesiologists. Standards for Basic Anesthetic Monitoring. Last amended Oct 15, 2025. asahq.org/standards-and-practice-parameters/standards-for-basic-anesthetic-monitoring.