BIMANUAL OPERATIVE BRONCHOSCOPE

MEDICAL DEVICES

Rigid bronchoscope for foreign body aspirations with a built-in camera for real-time imaging capabilities.

TECHNOLOGY TYPE
Class I/II
Pediatrics
Ear, Nose, & Throat

STAGE OF DEVELOPMENT
Prototype tested in animal models.

IP PROTECTION
PCT and U.S. Utility Patents Pending
Airway Bronchoscope US20170143199A1

LEARN MORE
Reference Number: U-5212
Aaron Duffy
Technology Manager
aaron.duffy@tvc.utah.edu
801-585-1377

TECHNOLOGY SUMMARY
Foreign body aspirations require urgent intervention to prevent life threatening complications. Rigid bronchoscopes facilitate removal of foreign objects and serve as an airway to maintain patient oxygenation during the procedure. Use of these bronchoscopes, however, is limited by complicated assembly, poor fit, and increased flow resistance.

A novel rigid bronchoscope improves the flow of gas during foreign body removal in pediatrics patients to prevent complications. The bronchoscope is a single system that contains a lighting and imaging system to provide continuous viewing of the airway. The proximal and distal ends allow for increased movement of instruments. A disposable cuff attached to the bronchoscope maintains positive pressure ventilation. The device requires minimal assembly and facilitates more efficient intervention to restore ventilation.

FEATURES AND BENEFITS
- Enables continuous airway viewing without compromising airflow.
- Decreases incidence of hypoxemia and hypercarbia by providing increased ventilation.
- Facilitates rapid intervention.
- Simplifies workflow.

RECENT PUBLICATIONS
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INVENTOR PROFILE
Johannes F. Grimmer, M.D., Associate Professor - Surgery

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