

PRESS RELEASE

Bonaduz, Switzerland. December 19th 2011

510(k) clearance for INTELLICUFF™, a new and innovative Hamilton Medical ventilation solution

Bonaduz. Hamilton Medical has received 510(k) clearance from the FDA in the United States for INTELLICUFF™, a new non-invasive automatic cuff pressure solution to reduce Ventilator Associated Pneumonia (VAP) and tracheal injuries.

Known problems in endotracheal cuff pressure management

The leakage of oral secretions past the endotracheal tube (ETT) has been a causative risk factor in the development of Ventilator Associated Pneumonia (VAP) and tracheal injuries for many years. Existing solutions for endotracheal tube cuff pressure management require manual monitoring and adjustment of cuff pressure which is a critical aspect in the ICU staff workload.

It has been shown that up to 8 manual adjustments of cuff pressure are required daily to maintain recommended cuff pressure ranges¹ often increasing in higher risk of lung infections and mechanical complications. Recent clinical studies show that continuous cuff pressure control can optimize Endotracheal Tube cuff filling and reduce VAP².

Reduce complexity with an integrated solution for cuff pressure management

Following AARC Clinical Practice Guidelines, INTELLICUFF™ assists efforts to reduce VAP and tracheal injuries by continuously monitoring and automatically adjusting cuffed tracheal and tracheostomy tubes, providing a real-time optimization of cuff pressure.

The controller module and software of INTELLICUFF™ are integrated parts of the Hamilton Medical Ventilator, controlled in the Ventilation Cockpit, the same unique user interface used to adjust and adapt ventilation therapy. The Ventilation cockpit reduces complexity by graphically displaying the patient's status, current treatment, and the required support including current cuff pressure control and monitoring.

It provides transparency by protocolized care so clinical staff can always be sure that INTELLICUFF™ optimizes cuff pressure at all times.

By integrating INTELLICUFF™ within Hamilton Medical's unique intuitive user interface, ICU staff can now be focused on the patient. There is no longer a need to handle two different systems or learn additional user interfaces. INTELLICUFF™ is available for HAMILTON-G5 and HAMILTON-S1 Ventilators.

Commitment to Intelligent Ventilation

Swiss based Hamilton Medical was founded in 1983 to improve the lives of ventilated patients and simplify operation of ventilator systems for the clinician. Today, Hamilton Medical continues this tradition of innovative ventilation therapy for intensive care with a special commitment to Intelligent Ventilation, for which Hamilton has become well known specialists and an industry leader in intensive care ventilators for patients ranging from adults to neonates. This privately owned company produces their sophisticated precision instruments exclusively at their green manufacturing facility in Bonaduz – Made in Switzerland. The high reliability of products and services are ensured by direct sales networks as well as a worldwide group of select distribution partners on all continents.
www.hamilton-medical.com

1 Sole ML et al. AJCC, 2011 March, Volume 20

2 Nseir S et al. AJRCCM, 12-10-11 23:38:49



Logo:

[logo_IntelliCuff.jpg](#)



Picture:

[Intellicuff_Pict_PR_300dpi.jpg](#)

Legend: Successful 510(k) clearance for a new and innovative Hamilton Medical ventilation solution

3'223 characters incl. spaces

456 words

CONTACT

HAMILTON MEDICAL AG

Via Crusch 8
CH-7402 Bonaduz / Switzerland
Phone: +41 (0)81 660 60 10
Fax: +41 (0)81 660 60 71
www.hamilton-medical.com

PRESS

Marketing Manager
Phone direct: +41 (0)81 660 63 70
press@hamilton-medical.com