Respiratory Airway Adapter

CareFusion announces the launch of Verso™ 90 adapter, a component that enables uninterrupted access to a ventilated patient's airway without having to disconnect the patient from the ventilator. Disconnecting a patient from the ventilator circuit can lead to life-threatening lung infections and degradation of lung function.

The new Verso 90 adapter is part of the AirLife™ Closed-Suction System which is different from traditional closed-suction catheters because of its modularity. With this system, a clinician can change catheters or perform various airway access procedures through a single port without having to disconnect the patient from the ventilator. This leads to increased patient safety because disconnecting a patient from the ventilator circuit can lead to lung derecruitment, which in some patients, may result in atelectasis or hypoxemia.

In addition, keeping a closed system when changing catheters or performing bronchoscopies, reduces the risk of cross contamination which can lead to ventilator-associated pneumonia (VAP). The incident of VAP is 22.8 percent in patients receiving mechanical ventilation (1), with a cost of $28,508 per patient(2) and increases the length of stay in the hospital by an average of 12.2 days(3).

Clinicians also have the ability to replace the closed-suction catheter independent of the adapter, which may only need to be replaced when the ventilator circuit is changed. This means that by using the CareFusion system, clinicians only need to replace half the system, which could lead to a cost-savings benefit for the hospital.

More information, visit www.carefusion.com [1]

1 Safdar N, Dezfulian C, Collard HR, Saint S. Clinical and economic consequences of ventilator-associated pneumonia: a systematic review. Crit Care Med. 2005;33(10):2184-2193.

2 Centers for Disease Control and Prevention. Public health focus: surveillance prevention and control of nosocomial infections. Morbidity and Mortality Weekly Report 1992:41:783-787.

3 Koulenti D, et al., "Spectrum of practice in the diagnosis of nosocomial pneumonia in patients requiring mechanical ventilation in European intensive care units," CritCare Med 2009 Aug; 37 (8):2360-8; NQF Safe Practices for Better Healthcare: 2010 Update; CareFusion Analysis, 2010.

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[1] http://www.carefusion.com/