CareFusion Launches First Automatic Oxygen Controller to Improve Care for Newborns Needing Mechanical Ventilation

Bio-Medicine.Org

SAN DIEGO, June 1 /PRNewswire-FirstCall/ -- CareFusion (NYSE: CFN [1]), a leading, global medical device company today announced the launch of its Closed Loop Controller of Inspired Oxygen system or "CLiO2™," the first automatic oxygen controller of its kind designed to keep the oxygen level in the blood within a safe range for newborns needing mechanical ventilation. This new software algorithm is an enhancement to the CareFusion AVEA™ ventilator, one of the leading ventilators in the world.

"Traditionally, newborns' ventilation and oxygen levels are constantly monitored and adjusted by the hospital staff," said Dr. Sithembiso Velaphi, MBChB, FCPaeds head of the division of Neonatology at Chris Hani Baragwanath Hospital in Soweto, Johannesburg, South Africa. "By automating this process, the CLiO2 system has allowed us to give better care more easily and safely to these newborns."

The CLiO2 system noninvasively and continuously measures the oxygen level in a newborn's blood using Masimo SET® Measure-Through Motion and Low Perfusion pulse oximetry technology to provide accurate and reliable oxygen saturation (SpO2) measurements, even under challenging clinical conditions. The CLiO2 system processes blood oxygen saturation levels by a computer algorithm that then anticipates trends and modifies the amount of oxygen delivered. If necessary, adjustments can be made on a second to second basis, something not currently possible with manual control.

"If oxygen levels become either too high or too low for premature babies on ventilation they are at risk for serious complications, such as permanent eye or chr

SOURCE [2]

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