Non-Confidential Description - PSU No. 4167
“Tracheal Protective Neonatal Ventilation Device”

Field of Invention/Keywords:
Devices, Neonatal, Ventilation device

Inventors:
James Mooney

Background
This novel ventilation device makes airway management in neonates safer for patients and easier for the physicians who care for them.

Invention Description
Proper placement of endotracheal tubes remains a significant challenge in neonatal airway management. Even when placed correctly, rigid endotracheal tubes can severely damage the delicate trachea, glottis, and vocal cords of neonatal patients. An illuminated stylet allows for easier, more reliable placement in neonatal airways. Designed with neonatal anatomy in mind, this device is highly flexible and less likely to injure neonates. This device enables physicians to exam airways of patients during ventilation. Additionally, this device reduces patient reliance on ventilators, making breathing easier.

Commercial Potential
This invention may be of particular interest to medical device companies that have a focus on airway management devices.

Status

Contact: David Sadowski
Sr. Technology Licensing Officer
The Pennsylvania State University
Office of Technology Development
Penn State Hershey Campus

Phone: (717) 531-4629
Fax: (717) 531-8684
E-mail: dsadowski@hmc.psu.edu