

The Incidence of Laryngotracheal Stenosis in Neonates with History of Ventilator Associated Pneumonia

Based on early small clinical reports and disease process studies, it is the investigator's hypothesis that ventilator associated pneumonia will correlate with higher rates of airway stenosis. The Research Derivative will be used to allow for the identification of specific organisms that may lead to more severe manifestations of disease; thus, making it possible to lower rates of subsequent airway stenosis in an already at-risk population.

- o **Aim 1:** Use the research derivative to identify neonates intubated at Vanderbilt University Medical Center that were also diagnosed with ventilator associated pneumonia during their hospital course

- o **Aim 2:** Identify neonates that were diagnosed with ventilator associated pneumonia while intubated that subsequently developed laryngotracheal stenosis.