



Prof Rangasamy Ramanathan

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Rangasamy Ramanathan is a distinguished neonatologist and currently the director of the Division of Neonatology at Cedars Sinai Guerin Children's Hospital, Los Angeles. Prof Ramanathan's extensive background in academia spans nearly 40 years. His major research has focused on surfactant therapy, the role of inflammatory cytokines in acute, chronic lung injury and non-invasive ventilation. He has also conducted studies on the molecular basis of lung injury and oxygen radical mediated disorders in newborn infants and was responsible for the establishment of non-invasive ventilation as a primary mode of respiratory support around the world.

He holds the patent for the RAM nasal cannula, is used in many countries to support newborn infants needing respiratory support, as well as another patent for a low cost ventilator for use around the globe.

He has numerous peer-reviewed articles and abstracts and has contributed to numerous book chapters, including the fifth edition of "Roger's Textbook of Pediatric Intensive Care" in 2016. He has received numerous international grants and continues to perform international collaborative research. He is an advisory board member for the Journal of Neonatology in India, Columbian Neonatal Society, Hellenic Society of Perinatal Medicine, Romanian Fetal and Perinatal Society and the European Society for Pediatric Research, and continues to serve on the editorial board for several scholarly journals