



Neonatal Intensive Care is about more than survival but about providing a healthier beginning for a longer life.

Dr. Christoph Fusch



Hamilton Health Sciences Foundation / Jack Sinclair Chair in Neonatology*

Dr. Fusch's clinical research is focused on strategies to improve both the short and long-term outcomes for premature infants and high-risk newborns including an understanding of the impact of postnatal nutrition on healthy growth. He is also interested in optimizing the efficiency of neonatal intensive care medicine.

Under his direction, the neonatal research program is focused on: nutrition, growth and metabolism; placenta perfusion and the development of an artificial placenta. This research has resulted in improved survival rates of high-risk neonates. His research aims to further improve the outcome of newborns by better understanding the role of inflammation on brain and lung development and the role of nutrition for adequate postnatal growth.

Recent clinical work has shown significant improvements in the overall quality of survival, with great progress being made with the smallest and most immature babies (gestational age of 23-25 weeks).

Dr. Christoph Fusch obtained his MD (1984) and pediatric qualifications at the University of Tuebingen, Germany. Following completion of sub-specialization in neonatology and a PhD, he was appointed as professor and chair of neonatology at the Ernst-Moritz-Arndt University Greifswald (Germany). In 2008, Dr. Fusch joined McMaster.

*Established in 2002, the Hamilton Health Sciences Foundation/Jack Sinclair Chair in Neonatology funds a researcher focused on enhancing McMaster Children's Hospital's leadership in the care of the newborn and to provide leadership in research and innovation in clinical care.