

Beltempo, Marc

Dr Beltempo completed his education training in Montreal (Canada) his pediatric residency and clinical fellowship in neonatal-perinatal medicine at Université Laval (Canada) that he completed in 2014. He also holds a Master of Health Administration and did a research fellowship with the Canadian Neonatal Network in neonatal outcomes research and studying variations in practice. He has been working as a staff neonatologist at the Montreal Children's Hospital – McGill University Health Centre since 2014. He is engaged in collaborative research with the Canadian Neonatal Network (CNN), the Evidence-based Practice for Improving Quality (EPIQ) and the Canadian Neonatal Follow Up Network (CNFUN) that aim to better understand predictors of neonatal outcomes and improve quality of care of preterm infants.

His research focuses on evaluating how the organization of work affects outcomes of infants in the neonatal intensive care unit. Important contributors to variations in outcomes between neonatal intensive care units include variations in practice and in the organization of the units. Using clinical and administrative databases, we are studying the effects of different healthcare delivery models, team composition and resource allocation (nurse-to-patient ratios, physician-to-patient ratios and other healthcare providers) on quality of care and efficiency in the neonatal intensive care unit. The main objective is to improve quality of care and improving efficiency in the delivery of care.