

Helping Critically Ill Children on the Inpatient Units and at Home

The Montreal Children's Hospital is treating a growing number of chronically-ill patients who must be hospitalized on the 8th and 9th floor inpatient units, sometimes for lengthy stays. For those patients who depend on ventilators to breathe, their rooms can become virtual prisons.

However, thanks to new technology, it is possible to give these sick children mobility and the possibility of leaving their rooms or even returning home while continuing to receive the breathing assistance they need to survive.

The Hospital requires six (6) portable ventilators to ensure that it can meet the ever-increasing demand for this life-saving and life-changing equipment for a total cost of \$150,000.

The Portable Trilogy Ventilator

Portable, life-saving ventilators help patients to breathe when they are suffering from respiratory illnesses or are in respiratory distress because of other serious medical conditions. These machines gently push air into and out of the lungs as needed.

The use of trilogy can also ensure a smooth, effective transition from the acute care setting to home and help to avoid hospital readmissions. It can also provide clinical reporting to the patient's physician with ventilator reports and clinical notes so that the patient's condition can be monitored.

The Trilogy Portable Ventilator allows for precise ventilation for patients in the home setting, with much more flexibility and capacity than the usual home ventilator, allowing for a smooth transition from the hospital to home.

Various accessories, including battery packs and carry cases, provide more mobility and freedom, allowing patients to resume some normal life activities.



MCH Patient Stefano, who spent the first year of his life in the Neonatal Intensive Care Unit, can now attend school with his sisters thanks to the trilogy portable ventilator that he keeps in his special backpack.

Testimonial from Rosa and Vito Ruvo, Stefano' parents

Going home with a 13-month old with a tracheostomy and other complex medical needs could be a stressful time. We were one of the first families to receive the Trilogy ventilator prior to discharge, once we got to know the machine, we knew we were one lucky family. The Trilogy ventilators are compact, lightweight (compared to the model we had in the hospital), conveniently portable and most of all as quiet as can be. Portability is a snap as the Trilogy has a convenient travel bag with shoulder strap, so whether you choose to carry the ventilator or store it under a baby carriage going out with your child won't be too much of a hassle. We couldn't be more happier with our Trilogy!! »- Vito & Rosa



Director, Pediatric Respiratory Medicine, Pediatric Cystic Fibrosis Clinic, and Pediatric Pulmonary Function Laboratory
Larry C. Lands, MD, PhD



Dr. Larry Lands is Director of Pediatric Respiratory medicine and Pediatric Cystic Fibrosis at the Montreal Children's Hospital-McGill University Health Centre. He is an active researcher in asthma and Cystic Fibrosis with over 100 publications. His primary focus is to control inflammation and improve functional ability for children with chronic lung disease. He is Chair of the Canadian Thoracic Society's Research Committee.

Kurling 4 Kids has been an invaluable support to the hospital in providing much needed equipment to help us provide the care these children require. Thank you! – Dr. Larry C. Lands