



The Heart and Stroke/Nolen Hicks Stroke Imaging Lab for Children:

Enhancing understanding and rapid interventions for pediatric stroke

SickKids

Unlocking the black box of pediatric stroke.

SickKids is working to establish a world-leading neuroimaging research laboratory focused on enhancing our understanding of the causes of paediatric stroke and promoting rapid diagnosis and treatment. Based at the Hospital for Sick Children (SickKids) in Toronto, the Stroke Imaging Laboratory for Children (SILC) serves as a home for physicians, imaging scientists, and technicians who are undertaking ambitious new research. SILC is located in SickKids' Peter Gilgan Centre for Research and Learning, which opened in 2013 and over 2,000 researchers working on the most specialized and innovative pediatric health research in the world.

Stroke affects one in 2,800 births in Canada, and the incidence is increasing. Many pediatric stroke survivors face chronic disability and handicap because of deficits in sensory, fine and gross motor, visual, cognitive and behavioural function. And yet, paediatric stroke remains an under-recognized and under-researched entity.

SILC will address the following related challenges:

Diagnosis | classification of stroke-type is limited by lack of data and research funding.

Treatment | therapies are not sufficiently tailored to specific stroke-type and are not readily available to families.

Awareness | both in the general public and among disparate researchers around the world paediatric stroke is virtually unknown.

Centralization | there is currently no global hub for the storage, collection, and analysis of paediatric stroke images

To make a gift, please visit the SILC donation page [here](#).

We are committed to raising \$2.3 million in support of the Stroke Imaging Laboratory for Children (SILC), which is a joint initiative of SickKids, Heart and Stroke Foundation and the families of the Canadian Paediatric Stroke Support Association (CPSSA). \$1.97 million has been committed to the project to date. An investment in this project will help ensure that SickKids remains at the forefront of paediatric stroke research, learning and care for the benefit of children everywhere.