The Hospital For Sick Children
Telemedicine Services
Clinical Consultations
Telemedicine Services
Education Sessions
Telemedicine Services

Administrative / Research
Key Professionals

Dr. Fraser Golding.

Medical Director, Telemedicine Program
Staff Cardiologist,
Operational Director Echocardiography
Key Professionals

Dr. Joao Luiz Pippi Salle
Head, Division of Urology, Professor, Department of Surgery, University of Toronto
Key Professionals

Dr. John Wedge

Orthopaedic Surgeon.
Dr. Wedge is an international authority on complex surgical hip reconstruction in adolescents and has published widely in this area. He is also Associate Dean, Clinical Affairs at the University of Toronto and Professor in Department of Surgery.
Dr. Jacob Langer

Head General Surgery. Clinical and Research interests include neonatal and fetal surgery, minimally invasive paediatric surgery, and the management of complicated gastrointestinal problems in children. Widely published on these and other topics. Professor of Surgery at the University of Toronto.
Key Professionals

Dr. Andrew Redington
Division Head Cardiology and Senior Associate Scientist in Cardiovascular Surgery at the Research Institute. Research interests include congenital heart disease, and the pathophysiology of late postoperative functional decline. He has written more than 150 peer reviewed publications, more than 20 book chapters, and has co-edited six books. Professor Paediatrics at the University of Toronto
Key Professionals

Dr. John Doyle

Head of the Blood and Marrow (Stem Cell) Transplantation Program. Training Program Director in the Division of Hematology-Oncology. Associate Professor at the University of Toronto.
Program Statistics – Education Activity

The graph shows the trend in education activity from 2001 to 2008. The activity has generally increased over this period, with a slight decrease in 2003 and a significant increase from 2004 to 2008.
Program Utilization

Adolescent Medicine    Neonatology
   Anaesthesia          Neurology
   Allergy and Immunology Neurosurgery
   Child Development    Oncology
   Cardiology           Ophthalmology
   Child Abuse and Neglect Organ Transplant
   Dermatology          Orthopaedics
   Endocrinology        Otolaryngology
   GI/Nutrition         Plastic Surgery
   General Surgery      Psychiatry
   Genetics             Respiratory Medicine
   Nephrology           Urology
Program Utilization

Adolescent Medicine
Anaesthesia
Allergy and Immunology
Child Development

CARDIOLOGY
Child Abuse and Neglect
Dermatology
Endocrinology
GI/Nutrition
General Surgery
Genetics
Program Utilization

- Neonatology
- Nephrology
- NEUROLOGY
  - Ophthalmology
  - Organ Transplantopaedics
  - Otolaryngology
  - Plastic Surgery
  - Psychiatry
  - Respiratory Medicine
Program Utilization

Neonatology
Neurology
Neurosurgery
Oncology
Ophthalmology
UROLOGY
Innovations
Cardiology Suite
Innovations

Cost effective wall mounted units for smaller groups
Innovations
Multi Media Lecture Theatre
Innovations
High Efficiency Mobile Units
Applications
Applications
International Undertakings

International Telemedicine Links

[Map showing telemedicine links around the world, with cities and countries connected by lines.]
National Undertakings

Canadian Telemedicine Links
Interprofessional Education Rounds

Now common place and facilitates the participation of all members of the healthcare team.
Interprofessional Education Rounds

Now common place and facilitate all members of the healthcare team to participate.

Keewaytinook Okimakanak region in Northern Ontario links regularly for Adolescent medicine rounds. Isolated nurse practitioners, social workers and public health nurses are able to discuss issues specific to their patient population with the Team at SickKids.
Interprofessional Education Rounds

Speech-Language Pathology rounds, with participation from provinces across Canada includes physicians, nurses, speech therapists and occupational therapists.

The Suspected Child Abuse and Neglect Program at SickKids links monthly with satellite centers throughout Ontario and Halifax on the East coast of Canada. These education rounds involve physicians, nurses, social workers, psychologists, community health providers, and child protection workers.
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Requested to provide regular connection to our Nursing Grand rounds and Cardiology rounds by Great Ormond Street Hospital in UK and St Augustine Campus in Trinidad.
Areas of Collaboration

Successful International Telemedicine Projects involve the integration of technology, medicine, social systems and culture.
Areas of Collaboration

- Technology
- Medicine
- Social Systems
- Culture
Areas of Collaboration

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- Resulted in the development of a Telemedicine Centre, in St Augustine, Trinidad, partially funded by the Herbie Fund at The Hospital for Sick Children.

- Provided quality paediatric care to families through “real time” consultations.
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- The President of Trinidad His Excellency Professor George Maxwell Richards is the patron of the Telemedicine Project.
Areas of Collaboration
Trinidadian Project

- Reduced costs for local families by avoiding unnecessary travel abroad for pre-admission assessments, and reduced turn around time of the medical review process.

- Strengthened training and increased the expertise of sub specialists locally and in doing so assisted in the provision of appropriate post operative and ongoing care available in their home country.

- Promoted academic exchange and stimulated and promoted the exchange of research in paediatric specialties.
Future Collaboration

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Involved with International Partners to overcome distance barriers and provide a venue for exchange of clinical and research expertise.
By utilizing Telemedicine as an extension of our existing International Patient Program, it is our hope that we will continue to help improve health care for children Locally, Provincially, Nationally and Internationally.
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By transcending geographical barriers we are putting the best medicine has to offer, within everyone’s reach.