PEDIATRIC PRESSE

ISSUE 17: WINTER 2022

Canadian Society of Transplantation PEDIATRICS | Société Canadienne de Transplantation PÉDIATRIE

@CST_peds

pediatricgroup@cst-transplant.ca

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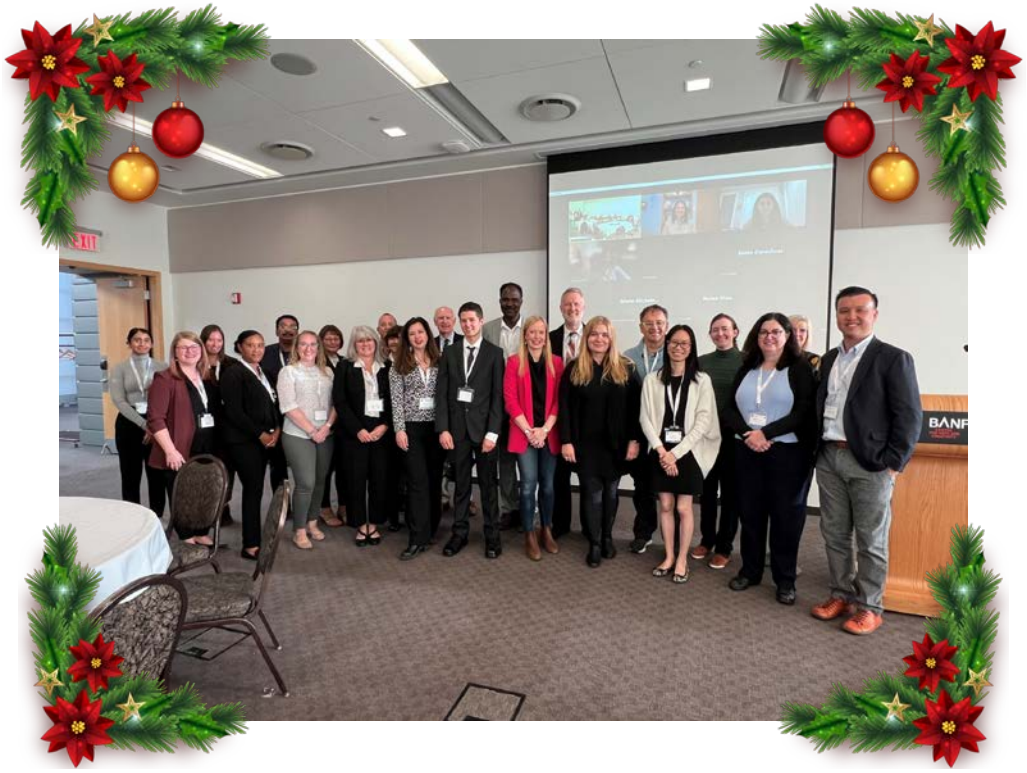


Members of the Canadian Society of Transplantation Pediatric Group at the AGM (Banff 2022)

CST PEDIATRIC GROUP ANNUAL GENERAL MEETING

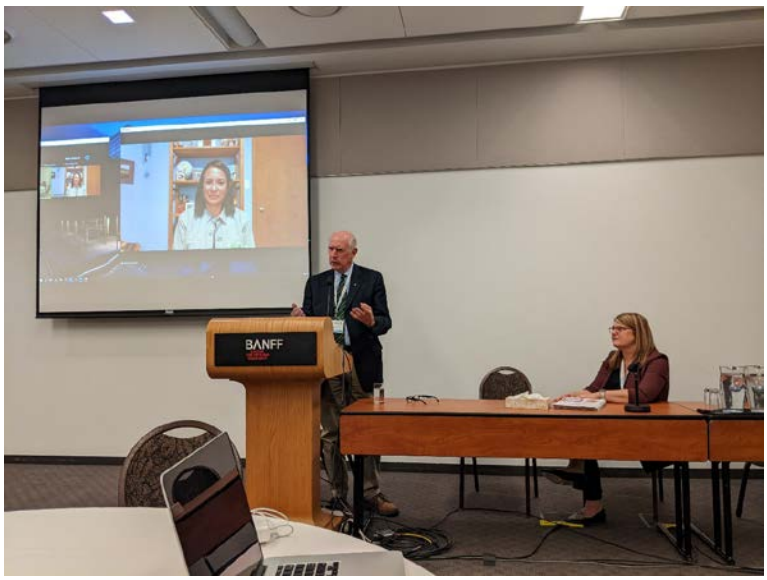
On September 20th, 2022, we held our AGM at the Annual CST Meeting in Banff. It was our first in-person meeting since 2019 and everyone was thrilled to be back in the same room! Members who couldn't be with us in-person, joined in virtually!

Our keynote address was our first ever panel discussion, bringing together Dr William Wall, Jenny Wichart and Bernadine Boulet as our patient partner. We were honoured to have Bernadine Boulet, the mother of Logan Boulet who lost his life in the Humboldt Broncos bus crash in 2018. His family's selfless decision to donate his organs saved 6 lives and Green Shirt Day was born.

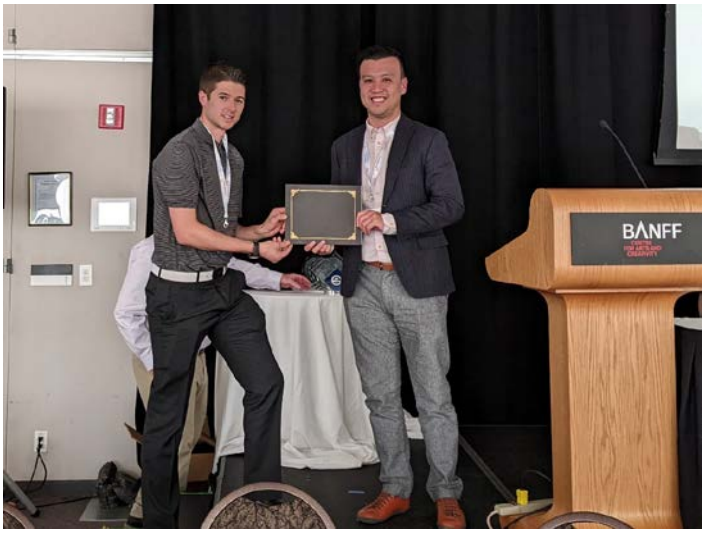
The topic of discussion was "*Student Education on Organ Donation & Transplantation*". All three speakers gave differing perspectives on how organ donation and transplantation can be brought to the curriculum for school-aged children from Kindergarten to Grade 12.

We hope to be able to support this ongoing work through our Pediatric group.

CST PEDIATRIC GROUP AGM



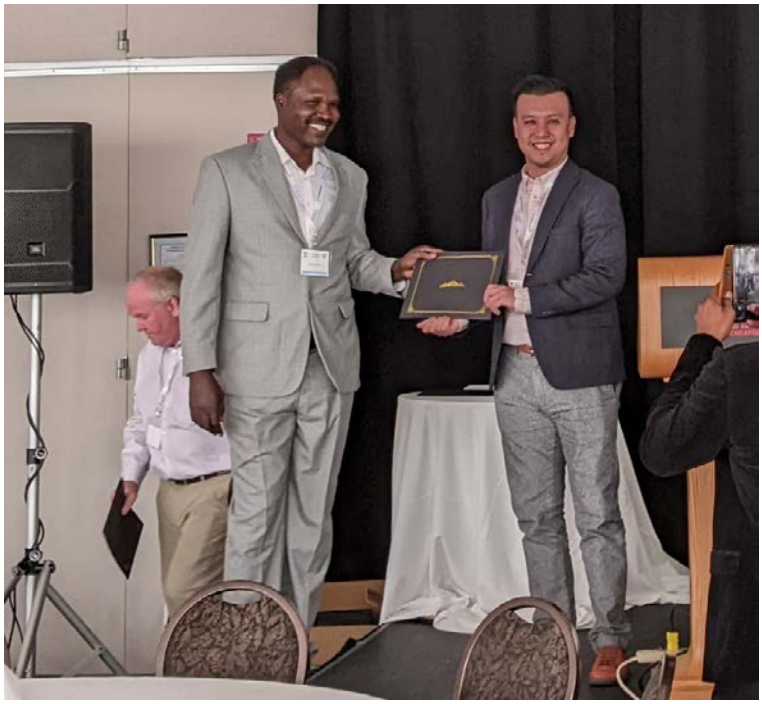
(Left): Dr William Wall, Jenny Wichart and Bernadine Boulet presented the keynote session on ***"Student Education on Organ Donation & Transplantation"***



(Middle):

Pediatric Trainee Abstract (Clinical Science)

Christopher Buckland presented his current research "Do virtual health appointments impact travel-related greenhouse gas emissions in solid organ transplant patients?". He received the Best Pediatric Transplant Trainee Abstract Award (Clinical Science)



(Left):

Pediatric Trainee Abstract (Basic Science)

Dr. Ibrahim Adam presented his research on "Natural versus ABO antibodies in a murine model: Role of sex and T cells". He received the Best Pediatric Transplant Trainee Abstract Award (Basic Science)

CST PEDIATRIC AWARD WINNERS

Canadian Society of Transplantation PEDIATRICS Société Canadienne de Transplantation PÉDIATRIE

(Left): **Allied Health Travel Bursary -** Angela Williams

Angela is a Nurse Practitioner in the kidney transplant program at The Hospital for Sick Children in Toronto. For the past 18 years, Angela transitioned to the ambulatory setting, where she now practices as a Nurse Practitioner caring for patients and families across the post-transplant trajectory. Angela's mantra is "Transplant Transforms" as she has seen through her years how each patient who receives a transplant has the potential and has lived life to their fullest. She also believes in empowering the powerless through patient and family advocacy and promoting effective self-management after kidney transplant.

(Right): **Allied Health Travel Bursary** - Laurie Brassard

Laurie is a registered Medical Laboratory Technologist (B.Sc from the University of Alberta) with 35 years of experience. She has spent her entire career at the University of Alberta hospital in Edmonton; the first 15 years in Neonatal Metabolic Screening and Molecular Diagnostics in the early stages of development, and the remainder in Histocompatibility (HLA). Over the years she has been actively involved with her provincial professional college, the CMLTA. She has attended numerous local, national and international educational conferences hosted by CSMLS, CST and ASHI, to name a few. She is a member of the board of directors of her health care union, Health Sciences Association of Alberta (HSAA).

UPCOMING EVENTS

12th Congress of the Int'l Pediatric Transplant Association (IPTA). Mar 25-28, 2023. Austin, TX, USA.
American Transplant Congress. Jun 3-7, 2023. San Diego, CA, USA.
ESOT Congress. Sept 17-20, 2023. Athens, Greece
Canadian Society of Transplantation Annual Meeting. Oct 16-20, 2023. Winnipeg, MB, Canada.
Society of Pediatric Liver Transplantation Annual Meeting. Oct 16-17, 2023. Montreal, QC, Canada.

MEET THE NEWEST TEAM MEMBERS

Our CST Pediatric Group elected two new committee members: Dr Blayne Sayed and Dr Jennifer Shortland. Dr Kathryn Armstrong moved into the role of Chair Elect.

Dr Blayne Amir Sayed
Member At Large

Dr Blayne Amir Sayed, MD PhD, is an Assistant Professor at the University of Toronto Department of Surgery. His primary clinical appointment is in the Division of General & Thoracic Surgery at The Hospital for Sick Children, where he serves as the Surgical Lead for Pediatric Liver Transplantation as well as the principal HPB surgeon. He is also a member of the Ajmera Transplant Centre at Toronto General Hospital (University Health Network). Dr Sayed's clinical interests include pediatric and adult liver transplantation, living donor liver transplantation, pediatric hepatobiliary malignancies and surgical management of portal hypertension. Dr Sayed is an Associate Scientist within the Cell Biology program at The Hospital for Sick Children Research Institute. His research focuses on mechanisms of lytic cell death in hepatic ischemia-reperfusion injury and molecular mechanisms of T cell exhaustion in the alloimmune response.

Dr Jennifer Shortland
Trainee Member-at-Large

Dr Jennifer Shortland, MB BCH, is a pediatric cardiology trainee, currently completing her training at British Columbia Children's Hospital. Dr Shortland completed her medical degree at The University of Cardiff in 2007 before travelling to New Zealand where she spent two years working in pediatrics and neonatology. In 2011, she returned to the United Kingdom to start her pediatric training in Bristol. After becoming a member of the Royal College of Pediatrics, she commenced her sub speciality training in pediatric cardiology in 2018 at Bristol Children's Hospital. Jennifer's main interest is inherited cardiac conditions and she joined BC Children's Hospital in 2021 to focus on pediatric inherited arrhythmias and cardiomyopathies.

CST PEDIATRIC GROUP RESEARCH

Transplant Research Foundation of BC/CDTRP Venture Grant

Dr. Kathryn Armstrong and team from BCCH

- Main affiliation: University of British Columbia
- Theme 5 – Restore Long-Term Health
- Title: **Virtual reality and gameplay as a model for exercise rehabilitation in pediatric solid organ transplant patients. A patient and family-led initiative.**

Participation in regular exercise is important for the health of all children including those that have had a solid organ transplant. Finding engaging ways to get children to be active and stay active can be a problem. Our group has tried to increase activity in patients by providing structured exercise programs in the hospital, at home, and online. Recently, one of our transplant patients and his dad told us about how they were using virtual reality (VR) gameplay as a way to exercise and recover from a transplant. While we worried about adding more screen time for our patients, we thought that this idea might get kids who liked "gaming" to be more active. Our goal is to study 20 solid organ transplant patients, ages 8-18 years, who will play VR games for a minimum of 30 minutes/day, 3 days/week for 8 weeks. We believe that 8-weeks of playing VR games will motivate them to exercise and help them stay active.

EDUCATION WEBINAR SERIES

Boost your transplant knowledge with the Pediatric Education Series! Our series runs 4 times yearly, addressing core topics in Pediatric Solid Organ Transplant relevant to healthcare providers across specialities, organ groups, and levels of experience. Our library of previously recorded lectures is always available to view on the CST website.

Previous topics are:

- "**HLA for the Pediatric Transplant Clinician**" with Dr. Christine Ribic
- "**Cytomegalovirus in Pediatric Solid Organ Transplant Recipients**" with Dr. Catherine Burton
- "**Career development and imposter syndrome**" with Dr. Aviva Goldberg
- **"Vaccination in Transplantation"** with Dr. Rupesh Chawla

Our next education webinar series will be in February 2023.
If you have suggestions for topics and/or speakers, please email pediatricgroup@cst-transplant.ca

SUPPORTING CAN-RESTORE

The **Ca**nadian **N**etwork for **R**ehabilitation and **E**xercise for **S**olid Organ **T**ransplant **O**ptimal **R**ecovery (**CAN-RESTORE**) is an emerging network dedicated to achieving optimal well-being in transplant patients through exercise and rehabilitation. As part of the CDTRP, CAN-RESTORE makes use of national, interdisciplinary collaboration, research expertise and leadership in exercise and rehabilitation. This allows the network to gather the best available evidence, disseminate knowledge on exercise and rehabilitation and identify research priorities.

Initiated in spring of 2017, the Pediatric Sub-Committee of CAN-RESTORE is a committee within the CAN-RESTORE network that is comprised of an inter-professional group of health care professionals working with pediatric transplant recipients across Canada. As such, it's mission and vision align with the CAN-RESTORE network.

Vision

Healthy active living through the pediatric transplant journey

Mission

To achieve optimal health, developmental and physical outcomes for children before and after SOT through education, rehabilitation, and physical literacy

Goals

- Establish practice, resources and gaps across pediatric centres
- Provide a forum for sharing of resources across centres
- Provide opportunities for collaboration across institutions
- Identify priorities for research and clinical practice
- Identify areas for more standardized care and outcome measurements
- Develop pediatric-specific education for patients and families about exercise and activity pre- and post-transplant
- Develop pediatric-specific education for health care professionals about the evidence for exercise training and rehabilitation for transplant recipients
- Raise awareness on the importance of exercise throughout the journey of transplantation
- Strengthen partnerships with key organizations to increase visibility and access to exercise and rehabilitation for the pediatric transplant candidate or recipient.

CAN-RESTORE

The **Ca**nadian **N**etwork for **R**ehabilitation and **E**xercise for **S**olid Organ **T**ransplant **O**ptimal **R**ecovery

Achieving optimal health and wellbeing for transplant candidates & recipients through physical fitness and rehabilitation.