



31st International Symposium on ACHD

Pushing the limits

Virtual Meeting

October 13-15, 2021

Organized by



Peter Munk
Cardiac Centre



SickKids
The Labatt Family
Heart Centre



SCIENTIFIC PROGRAM | ACHD 2021

Wednesday, October 13th 2021

10:00 - 10:15 **Welcome ceremony**

- **Welcome to the 31st International Symposium on ACHD**

Dr. Rafael Alonso-Gonzalez

Peter Munk Cardiac Centre, University of Toronto

Prof. Erwin Oechslin

University Health Network

Prof. Alexander Opatowsky

Cincinnati Children's Hospital

Dr. Craig Broberg

Oregon Health and Science University



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UNIVERSITY OF
TORONTO

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Wednesday, October 13th 2021

10:20 - 11:20 **Get the ball rolling (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Schwerzmann, Prof. Markus
Valente, Dr. Anne Marie

10:20 - 10:31 **Role of genetic counseling in patients with congenital heart disease**

Prof. Julie De Backer
Ghent University Hospital, Belgium

10:31 - 10:42 **Communicating with adolescents in transition - video, apps, social media...**

Prof. Konstantinos Dimopoulos
Royal Brompton and Imperial College London

10:42 - 10:53 **Exercise program for patients with complex congenital heart disease**

Dr. Barbara Cifra
Hospital For Sickchildren

10:53 - 11:04 **Are programs ready to care for elderly ACHD patients?**

Dr. Eric Krieger
University of Washington

11:05 - 11:20 **Audience Questions and Discussion**

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11:30 - 12:30 **Advanced imaging in congenital heart disease (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Gallego, Dr. Pastora
Oechslin, Prof. Erwin

11:30 - 11:41 **How do I optimize my 3D echo images**

Dr. Wendy Tsang
Toronto General Hospital

11:41 - 11:52 **Role of artificial intelligence in echocardiography**

Dr. Teresa Tsang
University of British Columbia

11:52 - 12:03 **Ebstein anomaly - How do I measure the right ventricle**

Dr. Rachel Wald
UHN

12:03 - 12:14 **Virtual surgical planning in ACHD patients**

Dr. Ryan Moore
Cincinnati Children's Hospital

12:15 - 12:30 **Audience Questions and Discussion**

12:45 - 13:45 **Let's talk about Fontan (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Greutmann, Dr. Matthias
Vonder Muhll, Dr. Isabelle

12:45 - 13:00 **Histopathological abnormalities in patients with Fontan circulation**

Dr. Jack Rychik
Children's Hospital of Philadelphia

13:00 - 13:15 **Lymphatics and Fontan circulation**

Dr. Vibeke Hjortdal
Rigshospitalet, Copenhagen University Hospital

13:15 - 13:30 **Role of pulmonary vasodilators in Fontan circulation**

Prof. Gerhard Diller
University Hospital Muenster

13:30 - 13:45 **Audience Questions and Discussion**

13:45 - 14:45 **Oral presentations (8 abstracts - PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Sara Thorne, Dr. Sara
Ganame, Dr. Javier

7 minutes for each abstract: 5 minute presentation - 2 minute Audience Questions.
(Comment: there is 4 minute extra time for discussion, i.e. 20 minute discussion in total)

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Wednesday, October 13th 2021

- 15:00 - 15:45 **Debates | Let's agree to disagree: Should Fontan patients referred for transplant have a heart and liver transplant? (LIVE)**
Moderators: Swan, Dr. Lorna
Wu, Dr. Fred
- 15:00 - 15:15 **Should Fontan patients referred for transplant have a heart and liver transplant? (Yes)**
Dr. Jeannette Lin
UCLA Medical Center
- 15:15 - 15:30 **Should Fontan patients referred for transplant have a heart and liver transplant? (No)**
Dr. Alexander Van De Bruaene
University Hospitals Leuven
- 15:30 - 15:45 **Rebuttal / Q & A / Participant discussion**
- 15:50 - 16:35 **Debates | Let's agree to disagree: Should patients with ccTGA and indication for pacing have a CRT? (LIVE)**
Moderators: Swan, Dr. Lorna
Wu, Dr. Fred
- 15:50 - 16:05 **Should patients with ccTGA and indication for pacing have a CRT? (Yes)**
Prof. Natasja de Groot
Erasmus Medical Center
- 16:05 - 16:20 **Should patients with ccTGA and indication for pacing have a CRT? (No)**
Dr. Krishnakumar Nair
University of Toronto
- 16:20 - 16:35 **Rebuttal / Audience Questions and Discussion**
- 16:45 - 17:30 **William G. Williams lecture (LIVE)**
Moderators: Barron, Dr. David
- 16:45 - 17:15 **Surgical challenges in ACHD in the 21st century**
Dr. Pedro J. del Nido
Boston Children's Hospital
- 17:15 - 17:30 **Audience Questions and Discussion**

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Thursday, October 14th 2021

- 10:00 - 11:00 **Let's talk about advanced heart failure (PRE-RECORDED - DISCUSSION LIVE)**
Moderators: Lorts, Dr. Angie
 McDonald, Dr. Michael
- 10:00 - 10:11 **When should I refer my patient to the ACHD heart failure clinic?**
Dr. Lucy Roche
UHN - Toronto ACHD
- 10:11 - 10:22 **Should patients with CHD have different transplant listing criteria?**
Dr. Jonathan Menachem
Vanderbilt University Medical Center
- 10:22 - 10:33 **Ventricular assist device in systemic right ventricle - when and how**
Dr. Katrijn Jansen
Newcastle Upon Tyne Hospitals Nhs Foundation Trust
- 10:33 - 10:44 **Ventricular assist device in Fontan - when and how**
Dr. David Morales
Cincinnati Children's Hospital Medical Center
- 10:45 - 11:00 **Audience Questions and Discussion**
- 11:10 - 13:00 **Time for some challenging cases. Presented by TGH Fellows (LIVE)**
Moderators: Alonso, Dr. Rafael
- 11:10 - 11:35 **Difficult decision in a patient with failing Fontan**
Dr. Danielle Massarella
Toronto General Hospital
- 11:35 - 12:00 **Severe RV dysfunction - what next?**
Dr. Jessica Patzer
University of Toronto
- 12:10 - 12:35 **Mustard and pulmonary hypertension - beyond what you can see every RV dysfunction - what next?**
Keivan Alizadeh
University of Toronto
- 12:35 - 13:00 **Challenging coronary artery fistula**
Dr. Ada C. Stefanescu Schmidt
University of Toronto
- 13:00 - 14:00 **Break (Networking, Visit Posters and Exhibitors)**

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Thursday, October 14th 2021

14:00 - 15:00 **Let's talk about intervention (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Horlick, Eric
Osten, Mark

14:00 - 14:11 **How to deal with large RVOTs in the cath lab**

Dr. Vivian Dimas

Medical City Children's Hospital/medical City Heart Hospital

14:11 - 14:22 **Percutaneous closure of sinus venosus defect - how to select the patients**

Prof. Shakeel Ahmed Qureshi

Evelina London Children's Hospital

14:22 - 14:33 **When to close veno-veno collaterals in Fontan patients?**

Dr. Jamil Aboulhosn

UCLA

14:33 - 14:44 **Transcatheter reverse Potts shunt for pulmonary hypertension**

Dr. Rajiv Chaturvedi

The Hospital For Sick Children

14:45 - 15:00 **Audience Questions and Discussion**

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Thursday, October 14th 2021

15:10 - 16:10 **Cardiac Care Professionals session (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Bailey, Ms. Barbara
Callus, Dr. Edward

15:10 - 15:21 **How to prepare CHD patients for surgery**

Mrs. Lynda Shaughnessy
Evelina London Children's Hospital

15:21 - 15:32 **Nurse led clinic in ACHD heart failure**

Mrs. Maggie Simpson
Golden Jubilee National Hospital

15:32 - 15:43 **Caring for patients with CHD while living with CHD**

Mrs. Christy Sillman
Sutter Medical Center, Sacramento

15:43 - 15:54 **Challenges in CHD nursing in developing countries**

Dr. Laila Ladak
The Aga Khan University, Pakistan

15:55 - 16:10 **Audience Questions and Discussion**

16:15 - 17:00 **Gary Webb lecture (LIVE)**

Moderators: Gatzoulis, Michael

16:15 - 16:45 **Lifespan perspective on CHD research**

Prof. MD, FRCP (C), MPH, FACC, FAHA Ariane Marelli
McGill University

16:45 - 17:00 **Audience Questions and Discussion**

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Friday, October 15th 2021

- 10:00 - 11:00 **Challenges in ACHD care around the globe - ISACHD session**
Moderators: Kovacs, Dr. Adrienne
Burchill, Dr. Luke
- 10:00 - 10:11 **Weathering the Storm – The Malaysian ACHD journey**
Geetha Kandavello
Institut Jantung Negara
- 10:11 - 10:22 **ACHD in India: Challenges and opportunities**
Dr. Anita Saxena
All India Institute of Medical Sciences, New Delhi
- 10:22 - 10:33 **Adults living with congenital heart disease in Latin America: "a big challenge"**
Dr. John Jairo
Inter-American Society of Cardiology
- 10:33 - 10:44 **CHD in Africa - contemporary clinical and research challenges**
Dr. Blanche Cupido
Groote Schuur Hospital / University of Cape Town
- 10:45 - 11:00 **Audience Questions and Discussion**

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Friday, October 15th 2021

- 11:10 - 12:10 **Pregnancy and heart disease (PRE-RECORDED - DISCUSSION LIVE)**
Moderators: Swan, Dr. Lorna
Silversides, Dr. Candice
- 11:10 - 11:20 **Fertility therapy for the cardiac patient - Cardiologist Perspective**

Dr. Sara Thorne
Toronto General Hospital, University Of Toronto
- 11:20 - 11:30 **Fertility therapy for the cardiac patient - Fertility specialist perspective**
Dr. John Snelgrove
Mount Sinai Hospital
- 11:30 - 11:45 **Management of the pregnant patient with a mechanical valve**
Dr. Rohan D'Souza
Mount Sinai Hospital, University Of Toronto, Canada
- 11:45 - 11:55 **Obstetric management of the cardiac patient (OB perspective)**
Dr. Afshan Hameed
Uc Irvine Health
- 11:55 - 12:10 **Audience Questions and Discussion**

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Friday, October 15th 2021

12:25 - 13:25 **Patients with developmental disabilities (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Roche, Dr. Lucy
Moran, Dr. Conall

12:25 - 12:36 **Transition in patients with developmental disabilities**

Prof. Philip Moons
KU Leuven

12:36 - 12:47 **Decisions about surgical interventions in patients with developmental disabilities**

Dr. Craig Broberg
Oregon Health and Science University

12:47 - 12:58 **Surgical pathway for adult patients with developmental disabilities**

Jane Heggie
Peter Munk Cardiac Centre, Toronto General Hospital, University Of Toronto

12:58 - 13:09 **Why do we need special services for patients with 22q11 syndrome**

Dr. Anne Basset
University Of Toronto

13:10 - 13:25 **Audience Questions and Discussion**

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Friday, October 15th 2021

13:35 - 14:50 **Research in ACHD (PRE-RECORDED - DISCUSSION LIVE)**

Moderators: Silversides, Dr. Candice
Zaidi, Dr. Ali

13:35 - 13:46 **Surveillance of Congenital Heart Defects in the US**

Dr. Wendy Book
Emory University

13:46 - 13:57 **CANFON - Canadian Fontan Registry**

Dr. Jasmine Grewal
St. Paul's Hospital

13:57 - 14:08 **Congenital Heart Initiative**

Dr. Anitha John
Children's National Hospital

14:08 - 14:19 **Fontan outcomes Network**

Prof. Alexander Opotowsky
Cincinnati Children's Hospital

14:19 - 14:30 **Research updates in electrophysiology**

Paul Khairy

14:30 - 14:50 **Audience Questions and Discussion**

15:00 - 15:15 **ISACHD Research awards**

15:15 - 16:00 **Closing ceremony**

- **Closing remarks and International ACHD Symposium 2022**

Dr. Rafael Alonso-Gonzalez
Peter Munk Cardiac Centre, University of Toronto

Prof. Alexander Opotowsky
Cincinnati Children's Hospital