

28<sup>th</sup> International Symposium

**ADULT CONGENITAL HEART DISEASE**

**Tackling and Transforming Outcomes of Complex ACHD**



Toronto, June 6 to 9, 2018

Toronto Marriott Downtown Eaton Centre Hotel

On behalf of the Organizing Committee, I warmly welcome you to the **28th Annual International Symposium on Adult Congenital Heart Disease**. This Symposium reflects a long partnership between the faculties of Oregon Health & Science University, Cincinnati Children's Hospital Medical Centre/University of Cincinnati and the University of Toronto. It is a unique forum where medical professionals have the exciting opportunity to meet their colleagues from around the world and exchange ideas and information in the rapidly growing field of Adult Congenital Heart Disease (ACHD). For a quarter of a century, international faculty and attendees have gathered annually to educate, learn and receive updates about the latest innovations in the diagnosis and management of ACHD patients.

**Tackling & Transforming Outcomes of Complex ACHD** is the theme of this year's Symposium. The number and complexity of ACHD patients are rapidly increasing, and the medical community is facing new challenges in this unique population.

Congenital heart disease is a **lifespan disease**, with different aspect during the journey of our patients, and this aspect – from infancy to adulthood – will be featured in some sessions.

We will cover lesion-specific complications and challenges regarding management, but we will also address tough end-of-life questions, frequently addressed too late or even neglected.

Toronto, with its very long and strong history in congenital heart disease (CHD), is the home of thousands of pediatric and adult CHD patients. It has built its tradition and legacy on excellence in patient care, education and research. The Toronto faculty will report about the Toronto experiences and lessons learned from patients with heart failure, and with transposition of the great arteries, with a special focus as a lifespan disease.

**This year's Symposium presents new and special features:**

- The Inaugural **Dr. Gary Webb Lecture**, introduced to honor his great contributions to the field of ACHD, with global impact, will be given by Dr. Gary Webb.
- **MED Talks**, first presented at the Cincinnati meeting 2017, is modeled on the TED talks and is devoted to spreading ideas in the form of short and powerful talks from expert speakers.
- Breakout sessions tailored to meet the educational needs of **ACHD trainees/fellows and of non-physicians**.
- Investigators will present **oral abstracts** related to the topic discussed in the plenary sessions
- **Roles of 3-D modeling and printing in complex congenital heart disease** introduce a new era of education and allow participants to study the anatomy of complex congenital heart defects.
- **The International Society of Adult Congenital Heart Disease (ISACHD) will award the best abstracts** submitted by Physicians *and* by Cardiac Care Associates. The winners will receive the ISACHD Young Investigator Award and the ISACHD Cardiac Care Associate Investigator Award.

I expect the Symposium to provide the best of science and education in this area of practice. The Program is designed for all healthcare professionals working with Adult Congenital Heart Disease and should familiarize participants with the latest clinical information on the diagnosis and management for ACHD. Nurses and Cardiac Care Associates also have a major organizational and educational role within this Program.

*Erwin Oechslin, Director of the Symposium*

At the end of this program the participant will be able to:

- Describe the long-term complications and outcomes in adults with congenital heart disease
- Formulate a rational approach to the diagnosis and treatment of ACHD patients with heart failure
- Recognize congenital heart disease as a chronic disease from childhood into adulthood
- Describe diagnostic and therapeutic options and strategies in patients with Ebstein anomaly, transposition of the great arteries, Fontan disease and pulmonary hypertension
- Understand the importance of a systematic, multidisciplinary team approach to provide excellent care for adults with congenital heart disease
- Recognize the advantage of participating in a network of centres with expertise in congenital heart disease
- Integrate the important role of advanced nurses/nurse practitioners/cardiac care associates to provide comprehensive care for adults with congenital heart disease
- Integrate modern treatment strategies for arrhythmias into your practice
- Assess the risks for pregnancy in women with congenital heart disease
- Recognize the strengths and weaknesses of guidelines/expert consensus on congenital heart disease
- Understand the importance of early discussion of end-of-life decisions
- Formulate challenges in patients with severe disabilities beyond the heart
- Recognize the need to improve patient care, education and research globally

## ACCREDITATION STATEMENT

This event is an accredited group learning activity under Section 1 as defined by the Royal College of Physicians & Surgeons of Canada for the Maintenance of Certification program. This program is approved by the Canadian Cardiovascular Society for a maximum of 24 credits.

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™. Information on the process to convert Royal College MOC credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme).

Please note certificates provided to physician participants must delineate the total number of accredited hours of the activity so that the appropriate conversion to AMA PRA Category 1 Credit™ can be made.

07:15-08:00 **Registration & Breakfast** — Grand Ballroom Foyer

07:55-08:00 **WELCOME & INTRODUCTION** — Erwin Oeschlin

08:00-10:00 **EBSTEIN ANOMALY: THE TOUGH QUESTIONS**

*Moderator: Glen van Arsdell*

- 08:00 How do we manage infants with Ebstein anomaly? — Osami Honjo
- 08:18 What is the natural history in adults? — Rafa Alonso
- 08:36 How to image Ebstein and the value in decision making — Rachel Wald
- 08:54 When to operate and the best surgical approach — Victor Tsang
- 09:12 Contemporary Outcomes and Mortality Risks of Ebstein Anomaly (oral abstract) — Varisara Pornprasertchai
- 09:22 Mid-term Outcomes in Adults with Surgically Operated Ebstein Anomaly (oral abstract) — Norihisa Toh
- 09:32 Panel Discussion/Q & A

*At the end of this session, participants will be able to:*

- Describe the natural history of Ebstein anomaly as a lifespan disease
- Describe the different surgical approaches and identify their risks and benefit
- Formulate the pros and cons of the different imaging modalities

GRAND BALLROOM

10:00-10:30 **Nutrition Break** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

10:30-12:00 **SIMULTANEOUS BREAK-OUT SESSIONS - 1**

**A — ANATOMY IS THE KEY**

*Moderator: Jonathan Windram*

- 10:30 Embryology for dummies — May Ling Mah
- 11:10 Discussion
- 11:20 AVSD — Dave Javier
- 11:50 Discussion

*At the end of this session, participants will be able to:*

- Describe the embryologic development of congenital heart defects
- Interpret the morphology of the atrioventricular (AV) valves and associated congenital heart defects in a patient with an atrioventricular septal defect (AVSD)
- Describe the differences between the left and right AV valves in a patient with an AVSD and a mitral and tricuspid valve of the normal heart

TRINITY 1 & 2

**B — FAILING SUBAORTIC RIGHT VENTRICLE: Cases from Ottawa**

*Moderators: Gary Webb and Rafa Alonso*

Case presenter — Luc Beauchesne

*At the end of this session, participants will be able to:*

- Identify electrical, valvular and myocardial causes and other long-term structural complications leading to a failing subaortic right ventricle
- Recognize the differences in the treatment of a failing subaortic right ventricle and a failing subaortic left ventricle and the lack of evidence of the different treatment options
- Estimate the importance of a multidisciplinary team approach to diagnose and to treat a failing subaortic right ventricle

TRINITY 4 & 5

**C — 10:30 - 11:15 FIRESIDE CONVERSATION: TEAM WELLNESS IN ACHD**

*Interviewer: Michelle Keir*

Panel — Shereli Soldevilla, Adrienne Kovacs, Suzanne Hemeon, Susan Fernandes, Glen van Arsdell

*At the end of this session, participants will be able to:*

- Develop a culture of learning from mistakes by open communication in an environment of mutual respect
- Recognize the importance of a good working balance and of a supportive team
- Define coping strategies for a stressful working environment

**D — 11:15 - 12:00 FOCUS ON OUTPATIENT CARE**

*Moderator: Susan Fernandes*

- 11:15 The Advanced Practice Provider role — Shereli Soldevilla
- 11:25 Homework: smoking (tobacco and cannabis) — Rima Styra
- 11:35 Inspiring fitness for life for ACHD patients — Sarah Harris
- 11:45 Discussion

*At the end of this session, participants will be able to:*

- Describe the role of an advanced practice provider in outpatient care
- Apply strategies to inspire fitness for life for ACHD patients
- Develop strategies to motivate patients for a healthy lifestyle

GRAND BALLROOM



**12:00-13:15 Lunch** — Grand Ballroom Foyer/Adelaide Room  
*Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

**13:15-14:45 SIMULTANEOUS BREAK-OUT SESSIONS - 2**

<b>TRINITY 1 &amp; 2</b>	<b>A — PEARLS OF WISDOM FROM THE CATH LAB</b>
	<i>Moderator: Erwin Oechslin</i>
	13:15 Shunt calculation: tricks and pitfalls — Lee Benson
	14:00 Discussion
	14:15 When not to close an ASD — Erwin Oechslin
	14:35 Discussion
	<i>At the end of this session, participants will be able to:</i>
	<ul style="list-style-type: none"> <li>•Recite the basics for proper shunt calculation</li> <li>•Discuss the pitfalls to calculate a shunt in a patient with a cyanotic congenital heart disease</li> <li>•Review contraindications to close an atrial septal defect</li> </ul>

<b>TRINITY 4 &amp; 5</b>	<b>B — EBSTEIN ANOMALY: Cases from the USA</b>
	<i>Moderators: Edward Hickey and Victor Tsang</i>
	Case presentation: 20 minutes/Discussion: 10 minutes
	Case presenters — Karen Stout and May Ling Mah
	<i>At the end of this session, participants will be able to:</i>
	<ul style="list-style-type: none"> <li>•Discuss different treatment strategies in a patient with atrial arrhythmias</li> <li>•Estimate the difficult timing for tricuspid valve surgery in a patient with severe tricuspid regurgitation</li> <li>•Recognize the importance of a multidisciplinary team approach to diagnose and to treat patients with Ebstein anomaly</li> </ul>

<b>GRAND BALLROOM</b>	<b>C — TOUGH END-OF-LIFE DECISIONS</b>
	<i>Moderator: Adrienne Kovacs</i>
	13:15 End-of-life and MAID — Gary Rodin
	13:35 Experiences from the front line — Meredith Muscat
	13:55 How this relates to the ACHD patient — James Downar
	14:15 Discussion
	<i>At the end of this session, participants will be able to:</i>
	<ul style="list-style-type: none"> <li>•Recognize the importance of early discussion of end-of-life questions</li> <li>•Describe ethical and legal questions and barriers regarding decision-making / MAID</li> <li>•Define special end of life questions relating to the young adult with congenital heart disease</li> </ul>

**14:45-15:15 Nutrition Break** — Grand Ballroom Foyer— *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

<b>GRAND BALLROOM</b>	<b>15:15-17:15 ACHD HEART FAILURE IN TORONTO</b>
	<i>Moderator: Karen Stout</i>
	15:15 How do I know my patient is in HF and how do I risk stratify? — Alexander van de Bruaene
	15:33 Are there alternatives to transplant? — Lucy Roche
	15:51 What are the surgical considerations for transplant? — Edward Hickey
	16:09 Why is sensitization a particular problem for ACHD and what can we do about it? — Kathryn Tinckam
	16:27 How do patients perceive end-stage heart failure and their options? — Michelle Keir
	16:45 Panel Discussion/Q & A
	<i>At the end of this session, participants will be able to:</i>
	<ul style="list-style-type: none"> <li>•Describe strategies to identify patients at risk for heart failure</li> <li>•Report medical, electrical and surgical strategies for ACHD patients in heart failure</li> <li>•Review the problem of sensitization</li> <li>•Formulate the perception of heart failure from a patient perspective</li> </ul>

07:15-08:00 **Registration & Breakfast** — Grand Ballroom Foyer

**08:00-10:00 TRANSDPOSITION OF THE GREAT ARTERIES (TGA) IN TORONTO**

*Moderator: Barbara Mulder*

- 08:00 Lifetime perspective: what have I learned in ACHD for my pediatric practice? — Luc Mertens
- 08:18 What have I learned from the surgical journey? — William Williams
- 08:36 What have I learned from our failing Mustards? — Lucy Roche
- 08:54 What have I learned from pregnant patients? — Rachel Wald
- 09:12 What have I learned from arterial switch patients? — Edward Hickey
- 09:32 Panel Discussion/Q & A

*At the end of this session, participants will be able to:*

- Describe the impact of this lifespan disease on the clinical practice of a pediatric cardiologist
- Estimate the educational impact of the patients on the congenital heart surgeons and clinical cardiologists
- Recognize the educational impact of pregnant women with TGA on the ACHD cardiologist

**GRAND BALLROOM**

10:00-10:30 **Nutrition Break** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

**10:30-12:00 SIMULTANEOUS BREAK-OUT SESSIONS - 3**

<b>TRINITY 1 &amp; 2</b>	<p><b>A — RED FLAGS IN ACHD</b>  <i>Moderator: Jack Colman</i></p> <ul style="list-style-type: none"> <li>10:30 Arrhythmias — Krishnakumar Nair</li> <li>10:50 Discussion</li> <li>11:00 Psychosocial aspects in ACHD — Edward Callus</li> <li>11:20 Discussion</li> <li>11:30 Anesthesia — Jane Heggie</li> <li>11:50 Discussion</li> </ul> <p><i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>• Describe red flags and diagnostic pitfalls in patients with arrhythmias</li> <li>• Identify red flags regarding psychosocial aspect</li> <li>• Formulate red flags for the anesthetist</li> </ul>
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<b>TRINITY 4 &amp; 5</b>	<p><b>B — FONTAN CIRCULATION: Cases from Europe</b>  <i>Moderators: Gerbard Diller and Lucy Roche</i></p> <p>Case presenters — Katrijn Jansen and Alexander van de Bruaene</p> <p><i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>• Discuss different treatment strategies in a patient with atrial arrhythmias</li> <li>• Formulate treatment strategies for a patient with a failing Fontan circulation</li> <li>• Recognize the importance of a multidisciplinary team approach to diagnose and to treat patients with Fontan physiology</li> </ul>
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<b>GRAND BALLROOM</b>	<p><b>C — 10:30 - 11:15 EPONYMS AND ECHOCARDIOGRAPHY</b>  <i>Moderator: Luc Beauchesne</i></p> <p>The imaging of most complex congenital surgical repairs — Robin Ducas</p> <p><i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>• Describe surgical procedures named after eponyms</li> <li>• Examine patients with complex surgical procedures, labelled with an eponym, by echocardiography</li> <li>• Formulate and assess potential long-term complications in these patients with complex surgical repair</li> </ul> <p><b>D — 11:15-12:00 ROLES OF 3-D MODELLING AND PRINTING IN CONGENITAL HEART DISEASE</b>  <i>Moderator: Luc Beauchesne</i></p> <p>Shi-Joon Yoo, Azad Mashari and Joshua Qua Hiansen</p> <p><i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>• Estimate the contribution of 3D models to better understand the anatomy of complex congenital heart defects</li> <li>• Describe the benefit of 3D models to plan surgical repair of complex congenital heart defects</li> <li>• Read 3D images of congenital heart disease defects by using reconstruction and analytical software obtained by transesophageal echocardiogram</li> </ul>
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12:00-13:15 **Lunch** —Grand Ballroom Foyer/Adelaide Room  
*Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

13:15-14:45 **SIMULTANEOUS BREAK-OUT SESSIONS - 4**

<b>GRAND BALLROOM</b>	<p><b>A — SUPPORT IN ACHD-HF</b>  <i>Moderator: Lucy Roche</i>                      13:15 Medical support for the subaortic RV — Rafa Alonso                      13:35 Discussion                      13:45 Mechanical support for failing ventricles — Katrijn Jansen                      14:05 Discussion                      14:15 Psychological support for the ACHD-HF clinic: patients and staff — Adrienne Kovacs                      14:35 Discussion  <i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>•Assess medical treatment options, their limitations and lack of evidence in the subaortic right ventricle</li> <li>•Identify candidates with failing ventricles for mechanical support</li> <li>•Assess the importance and need of psychological support for patients and staff</li> </ul>
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<b>TRINITY 1 &amp; 2</b>	<p><b>B — PREGNANCY: Cases From Canada West</b>  <i>Moderators: Jack Colman, Karen Stout, Lorna Swan</i>                      Case presenters — Jasmine Grewal and Jonathan Windram                      Case presentation: 20 minutes/discussion 10 minutes  <i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>•Formulate the maternal and fetal risks for pregnancy in a patient with congenital heart disease</li> <li>•Identify potential complications and chose the best management strategies for the mother and the fetus</li> <li>•Recognize the importance of a multidisciplinary team approach to manage women during pregnancy and delivery</li> </ul>
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<b>TRINITY 4 &amp; 5</b>	<p><b>C — DORV IN YOUR HANDS: MORPHOLOGY SESSION WITH 3-D PRINT MODELS</b>  <b>** (limited To 24 Participants) **</b>  <i>Moderator: Luc Mertens</i>                      Shi-Joon Yoo  <i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>•Estimate the contribution of 3D models to better understand the anatomy of complex congenital heart defects</li> <li>•Describe the benefit of 3D models to plan surgical repair of complex congenital heart defects</li> </ul>
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14:45-15:15 **Nutrition Break** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

<b>GRAND BALLROOM</b>	<p><b>15:15-16:00 DR. WILLIAM G. WILLIAMS LECTURE</b>  <i>Moderator: Edward Hickey</i>                      15:15 How does surgery need to evolve to stay cutting edge? — Victor Tsang                      15:45 Discussion  <i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>•Cite milestones in congenital heart surgery</li> <li>•Describe the challenges of congenital heart surgery to stay cutting edge in 2018</li> <li>•Identify innovative strategies to remain cutting edge</li> </ul> <p><b>16:00-17:15 MED TALKS</b>  <i>Moderator: Gruschen Veldtman</i>                      16:00 3D printing congenital hearts — Shi-Joon Yoo                      16:10 NOACs are safe for ACHD patients: let's prescribe them! — Barbara Mulder                      16:20 Sexual health in ACHD — Gerhard Diller                      16:30 The end of the BTT shunt? — Lee Benson                      16:40 The new 18-25 year old: relation and communication aspects — Edward Callus                      16:50 Panel Discussion/Q &amp; A  <i>At the end of this session, participants will be able to:</i></p> <ul style="list-style-type: none"> <li>•Estimate the high value of 3D models to plan surgery in complex congenital heart defects</li> <li>•Discuss the pros and cons of NOACs</li> <li>•Integrate sexual health in adult congenital heart disease care</li> <li>•Question the role of the Blalock-Taussig-Thomas shunt in 2018</li> <li>•Recognize differences in communication and relation aspects in young adults</li> </ul>
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07:15-08:00 **Registration & Breakfast** — Grand Ballroom Foyer

**08:00-10:00 PULMONARY HYPERTENSION IN ACHD**

*Moderator: Gruschen Veldtman*

- 08:00 How does PHT affect ACHD patients? — Gerhard Diller
- 08:15 Do pulmonary vasodilator therapies improve outcomes in patients with CHD? — John Granton
- 08:30 Is pregnancy safe in the era of pulmonary vasodilators? — Candice Silversides
- 08:45 Is PHT under-diagnosed in transposition complexes and is it important? — Alexander van de Bruaene
- 09:00 Panel Discussion/Q & A
- 09:30 Repeated Measurements of Cardiac Biomarkers Improve Risk Prediction (oral abstract)  
— Alexandra van Dissel
- 09:40 Pulmonary Hypertension in Adults with Systemic Right Ventricles Referred for Cardiac Transplantation (oral abstract) — Joyce Wald
- 09:50 Pulmonary Arterial Hypertension and Pregnancy – A Systematic Review of Pregnancy Outcomes in a Contemporary Cohort (oral abstract) — Ting Ting Low

*At the end of this session, participants will be able to:*

- Describe frequency and identify patients at risk for pulmonary hypertension
- Question the role of pulmonary vasodilators in the outcome on patients with congenital heart disease
- Appraise the risk of pregnancy in the era of pulmonary vasodilator

GRAND BALLROOM

10:00-10:30 **Nutrition Break** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

**10:30-12:00 SIMULTANEOUS BREAK-OUT SESSIONS - 5**

**A — FONTAN BREAKING NEWS**

*Moderator: May Ling Mah*

- 10:30 Abdominal circulation — Shi-Joon Yoo
- 10:50 Discussion
- 11:00 Lymphatic circulation — Gruschen Veldtman
- 11:20 Discussion
- 11:30 Mechanical circulation — Osami Honjo
- 11:50 Discussion

*At the end of this session, participants will be able to:*

- Describe abnormalities in the abdominal circulation
- Summarize abnormalities in the lymphatic circulation
- Assess the role of mechanical circulation in the failing Fontan circulation

TRINITY 1 & 2

**B — RESCUE CATHETER-BASED INTERVENTIONS WHICH CHANGED THE OUTCOME OF MY PATIENT**

*Moderators: Eric Horlick, Mark Osten, Lee Benson*

Case presenters — Fellows in Structural Heart and Congenital Heart Disease (Toronto)

*At the end of this session, participants will be able to:*

- Appraise innovation and advances in catheter-based interventions for patients too high risk for open heart surgery
- Identify patients too high risk for surgery, but who may be candidates for a catheter-based intervention
- Recognize the importance of a multidisciplinary team approach for these high-risk procedures

TRINITY 4 & 5



**C — MULTICENTRE ACHD RESEARCH COLLABORATION ACROSS THE GLOBE: LET'S DO IT!**

*Moderators: Anitha S. John & Jasmine Grewal*

**Goal:** Discuss the strengths and potential collaboration between the major multicenter research groups across the world

10:30 Introduction and goals of the session — Anitha S. John

**10:35-11:00 AARCC, INC: HIGHLIGHTING COLLABORATION AND EXPANSION WITH PATIENT ORGANISATIONS AND NATIONAL RESEARCH INITIATIVES**

**Focus:** Discuss how AARCC leveraged multicenter group status to facilitate collaboration with groups with funding and infrastructure support

10:35 Introduction to session and AARCC, Inc. — Anitha S. John

10:40 PCORnet: The National Patient-Centred Clinical Research Network — Anitha S. John

10:47 Collaboration with the Pediatric Heart Network (PHN) — Ali Zaidi

10:54 Adult Congenital Heart Association: Successful patient-research collaboration — Michelle Gurvitz

**11:00-11:20 ISACHD: LESSONS LEARNED FROM INTERNATIONAL MULTICENTER STUDIES**

**Focus:** Discuss the practical aspects of international study design [survey model and registry model] including IRB procurement, maintaining databases, quality control, data entry

11:00 Introduction to ISACHD research working group — Barbara Mulder

11:05 NOTE Registry — Barbara Mulder

11:12 Assessment of patterns of patient reported outcomes in adults with CHD: APPROACH-IS — Adrienne Kovacs

**11:20-11:40 CACH NETWORK: HIGHLIGHTING SUCCESS WITH OBTAINING RESEARCH FUNDING FOR MULTICENTER RESEARCH**

**Focus:** Discuss the strengths of a multicenter research group in obtaining funding with highlights on key aspects to emphasize during the application process

11:20 Introduction to CACH Net — Candice Silversides

11:25 Canadian Pregnancy Registry — Candice Silversides

11:30 Cardiac Outcomes Registry late after Tetralogy of Fallot repair - CORRELATE Registry — Rachel Wald

11:35 Fontan Registry: chronic kidney damage in the Fontan population — Jasmine Grewal

**11:40-12:00 PANEL DISCUSSION AND PLAN OF ACTION**

*At the end of this session, participants will be able to:*

- Recognize the importance of national and international collaboration in ACHD research
- Appraise challenges and barriers in international multicentre research ! Recognize the importance of obtaining research funding for multicentre research

**12:00-13:15 Lunch** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

**12:00-13:15 ISACHD Business Meeting (for ISACHD Members) and Lunch** — Adelaide Room

**13:15-14:45 SIMULTANEOUS BREAK-OUT SESSIONS - 6**

**A — PEARLS OF WISDOM FROM THE CLINIC**

*Moderator: Michelle Gurvitz*

13:15 What imaging for which problem — Craig Broberg

13:35 Discussion

13:45 22q11 deletion syndrome — Anne Bassett

14:05 Discussion

14:15 Counselling young women about valve replacement — Jack Colman

14:35 Discussion

*At the end of this session, participants will be able to:*

- Choose the appropriate imaging modality to answer a specific question
- Appraise the value of a clinic dedicated to the needs of patients with 22q11 deletion syndrome
- Summarize the challenges and different aspects of counseling a young woman about valve replacement

TRINITY 4 & 5

**B — PULMONARY HYPERTENSION**

Moderator: *Ali Zaidi*

- 13:15 Treat and repair: what is the evidence? — Rafa Alonso
- 13:35 Discussion
- 13:45 Case-Based Teaching (2 cases) — John Granton

*At the end of this session, participants will be able to:*

- Appraise the limitations of the ‘treat and repair’ approach
- Summarize diagnostic evaluation of patients with pulmonary hypertension
- Identify patients too high risk for shunt closure

GRAND BALLROOM

**C — PATIENTS WITH SEVERE DISABILITIES OUTSIDE THE HEART**

Moderator: *Erwin Oechslin*

- 13:15 The challenges of surgery — Barbara Bailey
- 13:30 Caregiver Perspective — Patient’s Mother and Caregiver
- 13:45 Anaesthesia / ICU perspective — Jane Heggie
- 14:00 Whose voice matters? The ethics of decision making — Ruby Shanker
- 14:15 Discussion

*At the end of this session, participants will be able to:*

- Summarize the perioperative, non-surgical challenges in these patients
- Estimate the importance of active involvement of parents and/or caregivers
- Recognize the important contributions of bioethics

**14:45-15:15 Nutrition Break** — Grand Ballroom Foyer — *Exhibits: Grand Ballroom Foyer; Posters: York Room A & B*

**15:15-15:55 INAUGURAL DR. GARY WEBB LECTURE**

Moderator: *Erwin Oechslin*

- 15:15 Try Using My Torch for the Next Part of the Journey — Gary Webb
- 15:45 Discussion

*At the end of this session, participants will be able to:*

- Identify the changes that have occurred in congenital heart care over the past 50 years
- Recognize the challenges, problems, and opportunities till to be encountered in the evolution and progress of the care of congenital heart patients
- Identify his/her role in ensuring future successes in the progress and evolution of the field of Adult Congenital Heart/Grown-up Congenital Heart care.

**15:55-16:40 ISACHD INVESTIGATOR AWARDS**

- 15:55 ISACHD Young Investigator Research Award: Feasibility and Efficacy of Negative Pressure Ventilation in the Ambulatory Fontan Population - (FONTAN-CMR) - A Pilot Study — Pradeepkumar Charla
- 16:10 ISACHD Cardiac Care Associate Research Award: Health Literacy in Adults with CHD — Susan Fernandes
- 16:25 ISACHD Life-Time Achievement Award — Recipient: Dr. Carole Warnes, Mayo Clinic, Rochester

*At the end of this session, participants will be able to:*

- Appraise the impact of innovative research on patient care

**16:35-17:00 ACHD LEARNING CENTRE WEB-BASED LEARNING: BIGGER, BETTER, GLOBAL AND UNLIMITED!**

Theresa Faulkner

- 16:50 Discussion

GRAND BALLROOM

**07:15-08:00 Registration & Breakfast** — Grand Ballroom Foyer

**08:00 -12:15 GUIDELINES - ONGOING CONTROVERSIES**

*Moderator: Jack Colman*

**8:00-8:55 AHA/ACC GUIDELINES**

- 08:00 Upcoming 2018 AHA/ACC ACHD guidelines: what could have changed in the last decade? — Karen Stout
- 08:15 Pulmonary regurgitation in TOF: what should updated guidelines say? — Karen Stout
- 08:30 Questions that remain unanswered — Edward Hickey
- 08:45 Discussion

**8:55-9:35 AHA/ACC GUIDELINES**

- 08:55 Intracardiac shunts: what do I hope to see in the upcoming guidelines? — Gruschen Veldtman
- 09:10 Burning questions: do we get the answers? — All
- 09:25 Discussion

**9:35 - 10:05 Nutrition Break** — Grand Ballroom Foyer

**10:05-12:15 GUIDELINES - ONGOING CONTROVERSIES** *(continued)*

*Moderator: Anitha S. John*

**10:05-10:45 ESC PREGNANCY AND CARDIOVASCULAR GUIDELINES**

- 10:05 Key messages from the 2013 guidelines — Candice Silversides
- 10:20 What they should keep and what they should lose in upcoming 2018 guidelines — Lorna Swan
- 10:35 Discussion

**10:45-11:25 PACES/HRS EXPERT CONSENSUS STATEMENT ON ARRHYTHMIAS**

- 10:45 Key messages from the 2014 guidelines — Mitchell Cohen
- 11:00 Questions that still remain — Vivienne Ezzat
- 11:15 Discussion

**11:25-11:45 MULTIDISCIPLINARY FAMILY-CENTRED PSYCHOSOCIAL CARE**

- 11:25 AEPC Psychosocial WG guidelines — Edward Callus
- 11:40 Discussion

**11:45-12:30 ANTIBIOTIC GUIDELINES**

- 11:45 Was it the right decision to eliminate SBE prophylaxis in the UK? — Lorna Swan
- 12:00 Antibiotic prophylaxis from the patient perspective — Mark Shore
- 12:15 Discussion

*At the end of this session, participants will be able to:*

- Appraise key message of national and international guidelines
- Debate weakness and strength of the published guidelines
- Recognize knowledge gaps in unanswered questions in the published guidelines

**12.30 CLOSING REMARKS** — Erwin Oechslin, Craig Broberg, Karen Stout

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