



Peter Munk
Cardiac Centre  UHN



ABSTRACT LIST

28th International Symposium

ADULT CONGENITAL HEART DISEASE

'Tackling & Transforming Outcome of Complex CHD'

June 6-9, 2018
Toronto, Ontario

www.torontoachdconference.ca

Director of the Symposium

Dr. Erwin Oechslin

Scientific Committee

Barbara Bailey, ACHD NP
Dr. Robin Ducas (Fellow Representative)
Dr. Dave Javier (Fellow Representative)
Dr. Edward Hickey
Dr. Eric Horlick
Dr. Krishnakumar Nair
Dr. Erwin Oechslin
Dr. Mark Osten
Dr. Lucy Roche
Dr. Candice Silversides
Dr. Rachel Wald
Shereli Soldevilla ACHD NP

Administration

Mark Jankie
Email: mark.jankie@uhn.ca

ISACHD INVESTIGATOR AWARD WINNERS:

Friday, June 8, 2018

3:55pm – 4:10pm: Winner of the ISACHD Young Investigator Award

FEASIBILITY AND EFFICACY OF NEGATIVE PRESSURE VENTILATION IN THE AMBULATORY FONTAN POPULATION- (FONTAN-CMR) - A PILOT STUDY

Pradeepkumar Charla; Shi Joon Yoo; Gauri Rani Kaur; Kenichiro Yamamura; John T Granton; Erwin Oechslin; Ashish Shah; Eric Horlick; Lee Benson; Osami Honjo; Rachel M Wald; *Toronto Congenital Cardiac Center for Adults, Toronto General Hospital, Peter Munk Cardiac Center, University of Toronto, Toronto, Canada*

4:10pm – 4:25pm: Winner of the ISACHD CCA Investigator Award

HEALTH LITERACY IN ADULTS WITH CONGENITAL HEART DISEASE

Susan Fernandes; Christy Sillman; Tara Dade; Emily Dong; Christiane Haeffele; George Lui; Ian Rogers; Anitra Romfh; Caroline Scribner; Lee Sanders; *Stanford University School of Medicine, Stanford, California, USA*

ORAL PRESENTATIONS:

Wednesday, June 6, 2018

9:12am – 9:22am

CONTEMPORARY OUTCOMES AND MORTALITY RISKS OF EBSTEIN'S ANOMALY

Varisara Pornprasertchai; Chodchanok Vijarnsorn; Supaluck Kanjanauthai; Paweena Chungsomprasong; Prakul Chanthong; Kritvikrom Durongpisitkul; Jarupim Soongswang; *Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand*

9:12am – 9:22am

MID-TERM OUTCOMES IN ADULT PATIENTS WITH SURGICALLY OPERATED EBSTEIN ANOMALY

Norihisa Toh; Yasuhiro Kotani; Teiji Akagi; Yosuke Kuroko; Kenji Baba; Shin-ichi Otsuki; Shingo Kasahara; Hiroshi It; *Department of Cardiovascular Medicine, Japan*

Friday, June 8, 2018

9:30am – 9:40am

REPEATED MEASUREMENTS OF CARDIAC BIOMARKERS IMPROVE RISK PREDICTION IN PULMONARY ARTERIAL HYPERTENSION ASSOCIATED WITH CONGENITAL HEART DISEASE

Alexandra C. van Dissel; Ilja M. Blok; Aeilko H. Zwinderman; Arie P.J. van Dijk; Anthonie L. Duinhouwer; Barbara J.M. Mulder; Berto J. Bouma; *Academic Medical Center, Amsterdam, The Netherlands*

9:40am – 9:50am

PULMONARY HYPERTENSION IN ADULTS WITH SYSTEMIC RIGHT VENTRICLES REFERRED FOR CARDIAC TRANSPLANTATION

Yuli Kim; Katherine Awh; Michael Acker; Pavan Atluri; Christian Bermudez; Maria Crespo; Joshua Diamond; Stephanie Fuller; Jonathan Menachem; Emily Ruckdeschel; David Drajpuch; Rhondalyn Forde-McLean; Lee Goldberg; Jeremy Mazurek; Chrstopher Mascio; Eduardo Rame; Lynda Tobin; Joyce Wald; *Division of Cardiovascular Medicine, Hospital of the University of Pennsylvania, Division of Cardiology, The Children's Hospital of Philadelphia, Philadelphia, USA*

9:50am – 10:00am

PULMONARY ARTERIAL HYPERTENSION AND PREGNANCY - A SYSTEMATIC REVIEW OF PREGNANCY OUTCOMES IN A CONTEMPORARY COHORT

Ting Ting Low; Nita Guron; Robin Ducas; Kenichiro Yamamura; Rohan D'souza; John Granton; Candice Silversides; *National University Heart Centre, Singapore, Toronto General Hospital, Toronto, Canada*

POSTER PRESENTATIONS:

Wednesday, June 6, 2018

1. PERCUTANEOUS BAFFLE INTERVENTIONS IN ADULT SURVIVORS OF THE ATRIAL SWITCH OPERATION: A SINGLE CENTER EXPERIENCE

Heiko Schneider; Andrew Leventhal; Ashish H Shah; Mark Osten; Lee Benson; Eric Horlick; *Toronto General Hospital, PMCC, TCCCA, Toronto, Canada*

2. DEDICATED TEAM IMPROVES EFFICIENCY IN ASD/PFO CLOSURE IN AN ADULT CATHETERIZATION LABORATORY

Stephanie Fuentes Rojas; Akanksha Thakkar; Ponraj Chinnadurai; Eunice Karanja; Danish Bawa; C. Huie Lin; *Houston Methodist Hospital, Houston, Texas, USA*

3. Going Proximal to Distal: A Novel Strategy for Prosthetic Valve Fracture to Enable Transcatheter Pulmonary Valve Implantation and Complex Right Ventricular Outflow Tract Intervention

Stephanie Fuentes Rojas; Akanksha Thakkar; Ponraj Chinnadurai; Danish Bawa; Eunice Karanja; Gary Monteiro; Thomas MacGillivray; John Breinholt; *Houston Methodist Hospital, Houston, Texas, USA*

4. OUR EXPERIENCE OF COMBINED PERCUTANEOUS OCCLUSION OF THE LEFT ATRIAL APPENDAGE (LAA) AND INTERATRIAL COMMUNICATION.

Ruqaya Hajri; Kavin Walsh; Damien Kenny; Rhona Savage; Esther Doran; Ciara O neill; *Mater Misericordiae University Hospital, RCPI, Dublin, Ireland*

5. CLOSURE OF A VENTRICULAR SEPTAL DEFECT COMPLICATED BY HEMOLYSIS REQUIRING TRANSCATHETER RETRIEVAL OF AMPLATZER OCCLUDER

Danish Bawa; Akanksha Thakkar; Stephanie Fuentes; Ponraj Chinnadurai; Eunice Karanja; Gary Monteiro; John P. Breinholt; Chun Lin; *Houston Methodist Hospital, Houston, Texas, USA*

6. PERSPECTIVES ON ADVANCE CARE PLANNING AND PALLIATIVE CARE AMONG ADULTS WITH CONGENITAL HEART DISEASE

Jill Steiner; James Kirkpatrick; James Kirkpatrick; Karen Stout; J. Randall Curtis; *University of Washington, Seattle, USA*

7. PERCEPTIONS OF ADVANCE CARE PLANNING AND PALLIATIVE CARE AMONG ACHD CLINICIANS

Jill Steiner; Erwin Oechslin; Gruschen Veldtman; Craig Broberg; Karen Stout; James Kirkpatrick; Adrienne Kovacs; *University of Washington, Seattle, USA*

8. DETECTION OF ARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE PATIENTS WITH IMPLANTABLE LOOP RECORDERS

Anudeep Jassal; Courtney Thomas; Curt Daniels; Naomi Kertesz; Anna Kamp; *Nationwide Children's Hospital, Ohio, USA*

9. INCIDENCE, MANAGEMENT AND MECHANISMS OF ARRHYTHMIAS IN ADULT PATIENTS POST RASTELLI PROCEDURE TWENTY-FIVE YEARS SINGLE CENTRE EXPERIENCE

Yawer Saeed, Karthik Viswanathan; Abhishek Bhaskaran; Shouvik Halder; Candice Silversides; Erwin Oechslin; S.Lucy Roche; Douglas Cameron; Louise Harris; Eugene Downar; Krishnakumar Nair; *Toronto General Hospital; Toronto, Canada*

- 10. HIGH DENSITY MAPPING FOR ABLATION OF ATRIAL TACHYARRHYTHMIAS IN ADULTS WITH CONGENITAL HEART DISEASE**
Anudeep Jassal, Naomi Kertesz; Jennifer Russell; Tamara Ackley; Steven Kalbleisch; Curt Daniels; Anna Kamp;
Nationwide Children's Hospital, Ohio, USA
- 11. HIS BUNDLE PACING IN EBSTEIN'S ANOMALY**
Manu Varma, Sarah Studyvin; Jennifer Pak; Sunil P. Malhotra; David Dobesh; Brian O'Connor; Sarah Studyvin; Jennifer Pak;
Sunil P. Malhotra; David Dobesh; Brian O'Connor; Newark Beth Israel Medical Center
- 12. MOBILE HEALTH IN ADULT PATIENTS WITH CONGENITAL HEART DISEASE REDUCES EMERGENCY HOSPITALIZATIONS**
Dirkjan Kauw; Maarten Koole; Michiel Winter; Daan Dohmen; Igor Tulevski; Marlies Schijven; Danielle Robbers-Visser;
Barbara Mulder; Mark Schuurung; Berto J. Bouma; *Academic Medical Center, Department of Cardiology, Amsterdam, the Netherlands*
- 13. TRENDS IN HOSPITALIZATION FOR HEART FAILURE PATIENTS WITH GROWN-UP CONGENITAL HEART**
Mike Saji, Morimasa Takayama; Tomomi Ueda; Satoshi Yazaki; Tadahiro Yoshikawa; Katsuhiko Mori; Naoki Wada; Makoto Ando; Shuichiro Takanashi; yukihiro Takahashi; Mitsuaki Isobe; *Sakakibara Heart Institute, Japan*
- 14. COMPREHENSIVE THREE-DIMENSIONAL RECONSTRUCTION OF ADULT CONGENITAL HEART DISEASE**
Justin Tretter, Yu Izawa; Shumpei Mori; Shinsuke Shimoyama; Diane Spicer; Ken-ichi Hirata; Robert Anderson; *Heart Institute, Cincinnati Children's Hospital Medical Center, Ohio, USA*
- 15. ATRIAL SEPTAL DEFECT: COMPREHENSIVE THREE-DIMENSIONAL RECONSTRUCTION USING DUAL-SOURCE COMPUTED TOMOGRAPHY**
Shumpei Mori, Justin Tretter; Tatsuya Nishii; Diane Spicer; Robert Anderson; Division of Cardiovascular Medicine, Department of Internal Medicine
- 16. PLANNING AND IMPLEMENTATION OF A TRANSITION PROGRAM**
Matthew Anderson; Daniel Cox; Kevin Whitehead; Arvind Hoskoppal; *University of Utah, Salt Lake City, USA*
- 17. FACTORS ASSOCIATED WITH HAVING A PRIMARY CARE PROVIDER AMONG PATIENTS WITH ADULT CONGENITAL HEART DISEASE**
Seiji Ito; Whitney Osborne; Ruth Phillippi; Nancy Klein; Rachel Steury; Anitha John; *Children's National Health; Washington, USA*
- 18. RISK-BENEFIT RATIO MAY NOT JUSTIFY A FURTHER DECREASE IN THRESHOLD FOR PULMONARY VALVE REPLACEMENT LATE AFTER TETRALOGY OF FALLOT REPAIR: AN EXPERIENCE WITH 2579 PATIENTS**
Edward J Hickey, Ting Ting Low; Susan L Roche; Candice Silversides; Erwin Oechslin; Jack Colman; Andrew Crean; Lee Benson; Eric Horlick; Mark Osten; Rachel Wald; *The Hospital for Sick Children, Toronto General Hospital, Toronto, Canada*
- 19. SAFETY AND EFFICACY OF EXERCISE TRAINING IN SYMPTOMATIC PATIENTS WITH MODERATE AND SEVERE CHD: A RANDOMIZED CONTROLLED TRIAL**
Alexandra C. van Dissel, Jean-Luc Q. Hooglugt; Ferdinand H. de Haan; Ilja M. Blok; Harald R. Jorstad; Barbara J.M. Mulder; Berto J. Bouma; Michiel M. Winter; *Academic Medical Center, Amsterdam, The Netherlands*
- 20. SELF-CARE IN ADULT CONGENITAL HEART DISEASE: DO YOUNG ADULTS EXHIBIT PREFERENCES FOR HEALTH CARE AUTONOMY?**
Michelle Keir, Payam Dehghani; Marie Penner; Terry Bree; Ashok Kakadekar; *University of Calgary, Alberta, Canada*

Thursday, June 7, 2018

- 21. GENETIC PREDICTORS OF ADVERSE RIGHT VENTRICULAR REMODELLING IN TETRALOGY OF FALLOT POST-REPAIR**
Marie-A Chaix, Oyediran Akinrinade; Myriam Lafreniere-Roula; Rachel Van der Laan; Luis Altamirano Diaz; Lynn Bergin; Erwin Oechslin; Glen van Arsdell; Cedric Manlhiot; Connie Bezzina; Seema Mital; *Labatt Family Heart Centre, The Hospital for Sick Children, University of Toronto, Toronto, Canada*
- 22. PATIENT-REPORTED OUTCOMES IN TETRALOGY OF FALLOT: BASELINE RESULTS FROM A PROSPECTIVE, INTERNATIONAL, MULTI-SITE STUDY**
Rachel Wald; Farkouh M; Caldarone C; Dahdah N; Dallaire F; Drolet C; Grewal J; Hickey E; Kayedpour C; Khairy P; Leonardi B; McCrindle B; Nadeem S; Ng M; Oechslin E; Redington A; Silversides C; Tham E; Therrien J; Vonder Muhll I; Warren A; Wintersperger B; Adrienne Kovacs; *Oregon Health & Science University, Oregon, USA*
- 23. CAST A WIDE NET: CATCHING ACHD REFERRALS IN A SEA OF PROVIDERS WITHIN A LARGE, MULTIHOSPITAL AND MULTISTATE PRIVATE HEALTH SYSTEM - A CONCEPT PROPOSAL**
Jeremy Nicolarsen, Neil Worrall, Leland Siwek, Brad Batkoff, Pamela Burg, Janice Christensen, Carl Garabedian, Katrina Schneider, Hrair Garabedian, *Providence Adult and Teen Congenital Heart Program (PATCH), Providence Sacred Heart Medical Center and Children's Hospital Spokane, WA, USA*
- 24. HAPLOINSUFFICIENCY OF VASCULAR ENDOTHELIAL GROWTH FACTOR RELATED SIGNALING GENES IS ASSOCIATED WITH TETRALOGY OF FALLOT**
Miriam Reuter, Rebekah Jobling; Rajiv Chaturvedi; Roozbeh Manshaei; Gregory Costain; Erwin Oechslin; Rachel Wald; Candice Silversides; Stephen Scherer; Raymond Kim; Anne Bassett; *Ted Rogers Centre for Heart Research, Cardiac Genome Clinic, The Hospital for Sick Children, Toronto, Canada*
- 25. ECHOCARDIOGRAPHIC PREDICTORS OF ELEVATED LEFT VENTRICULAR END DIASTOLIC PRESSURE IN ADOLESCENT AND ADULT PATIENTS WITH REPAIRED TETRALOGY OF FALLOT**
Adam Lubert, Timothy Cotts; Jeffrey Zampi; Sunkyung Yu; Ray Lowery; Mark Norris; *Division of Pediatric Cardiology, University of Michigan Congenital Heart Center, C.S. Mott Children's Hospital, Ann Arbor, Michigan, USA*
- 26. CHARACTERIZATION OF THE SURGICALLY MODIFIED RIGHT VENTRICULAR OUTFLOW TRACT USING MAGNETIC RESONANCE ANGIOGRAPHY IN ADULTS LATE AFTER TETRALOGY OF FALLOT REPAIR.**
Alexander Van De Bruaene, Eric Horlick; Lee Benson; Rachel Wald; Department of Congenital and Structural Cardiology, University Hospitals Leuven, Belgium; *Division of Cardiology, Peter Munk Cardiac Center, University Health Network, University of Toronto, Toronto, Ontario, Canada*
- 27. PREMATURE MORTALITY IN A GENETIC SUBTYPE OF TETRALOGY OF FALLOT**
Spencer van Mil, Elemi Breetvelt; Sarah Malecki; Janis Chang; Rachel Wald; Erwin Oechslin; Candice Silversides; Anne Bassett; *University of Toronto, Toronto, Canada*
- 28. PROGRESSIVE RIGHT VENTRICULAR ENLARGEMENT DUE TO PULMONARY REGURGITATION: CLINICAL CHARACTERISTICS OF A "LOW RISK" GROUP**
Majd El-Harasis, Nandini Sharma; Alexander Egbe; *Mayo Clinic, Rochester, Minnesota, USA*
- 29. COMPREHENSIVE HEMODYNAMIC ASSESSMENT WITH QUANTITATIVE 4D FLOW MRI POST REPAIR FOR TETRALOGY OF FALLOT**
Gauri Rani Karur, Eric Schrauben; Julio Garcia Flores; Christopher Macgowan; Christopher Lam; Lars Grosse-Wortmann; Mike Seed; Shi-Joon Yoo; *The Labatt Family Heart Centre at The Hospital for Sick Children, Toronto, Canada*

- 30. CATHETER AND SURGICAL INTERVENTIONS IN ADULT PATIENTS WITH REPAIRED TETRALOGY OF FALLOT**
Elizari Amalia, Mónica Lucero; Zhaira Rodríguez; Marina Lousararian; Noelia Alby; Betina Vega; Marcelo Cabrera; Ignacio Córdoba; Roque Córdoba; Héctor Maisuls; Luis Alday; *Instituto Cardiovascular de Buenos Aires, Argentina*
- 31. TETRALOGY OF FALLOT: LONG-TERM OUTCOME IN ADOLESCENT AND ADULTS AFTER SURGICAL REPAIR.**
Diana Mariela Mouratian, Claudia Natalia Villalba; Maria Victoria Lafuente; Florencia Strawich; Alejandra Villa; Jose Luis Alonso; Alberto Sciegata; Jorge Barreta; Pablo Garcia Delucis; Horacio Capelli; Marisa Di Santo; *Hospital Nacional De Pediatría Garrahan, Buenos Aires, Argentina*
- 32. RISK FACTORS FOR PULMONIC VALVE REPLACEMENT IN POST-OPERATIVE TETRALOGY OF FALLOT.**
Pimonrat Somkittithum, Chodchanok Vijarnsorn; Supaluck Kanjanauthai; Jarupim Soongswang; Kritvikrom Duronpisitkul; Prakul Chanthong; Paweena Chungsomprasong; **Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand**
- 33. LONG TERM OUTCOMES IN PATIENTS WITH TURNER SYNDROME: A 68-YEAR FOLLOW-UP**
Margaret Fuchs, Christine Attenhofer Jost; Dusica Babovic-Vuksanovic; Heidi Connolly; Alexander Egbe; *Mayo Clinic, Rochester, Minnesota, USA*
- 34. CARDIOVASCULAR SURGERY IN PATIENTS WITH TURNER SYNDROME: THE MAYO CLINIC EXPERIENCE**
Margaret Fuchs, Christine Attenhofer Jost; Sameh Said; Heidi Connolly; Alexander Egbe; *Mayo Clinic, Rochester, Minnesota, USA*
- 35. TEN YEAR FOLLOW-UP OF AORTIC DILATATION IN PATIENTS WITH A SMAD3 MUTATION**
Allard van den Hoven, Sara Baart; Annemien van den Bosch; Jolien Roos-Hesselink; *Erasmus Medical Center, Rotterdam, Netherlands*
- 36. PREGNANCY OUTCOMES IN WOMEN WITH CONGENITAL HEART DISEASE: RESULTS FROM THE COLORADO ADOLESCENT AND ADULT CHD SURVEILLANCE SYSTEM (COCHD)**
Lindsey Duca, Amber Khanna; Christopher Rausch; David Kao; Tessa Crume; *Colorado School of Public Health, University of Colorado, Aurora, Colorado, USA*
- 37. PREGNANCY OUTCOMES IN WOMEN WITH TETRALOGY OF FALLOT. DATA FROM THE EUROPEAN SOCIETY OF CARDIOLOGY REGISTRY OF PREGNANCY AND CARDIAC DISEASE (ROPAC)**
Lucia Baris, Mark Johnson; Roger Hall; Jolien Roos-Hesselink; *Erasmus Medical Center, Rotterdam, Netherlands*
- 38. CARDIAC OUTPUT ASSESSMENT DURING AND AFTER PREGNANCY IN WOMEN WITH HEART DISEASE AS COMPARED WITH NORMAL CONTROLS USING CARDIOVASCULAR MAGNETIC RESONANCE IMAGING (MOMS HEART STUDY)**
Robin Ducas, Brahmdeep Saini; Catriona Bhagra; Kenichiro Yamamura; Davide Marini; Matthew Sermer; Mike Seed; Rachel Wald; *University of Manitoba, Winnipeg, Canada*
- 39. PROGNOSTIC VALUE OF ECHOCARDIOGRAPHIC AND BLOOD BIOMARKERS IN PATIENTS WITH A SYSTEMIC RIGHT VENTRICLE**
Laurie Geenen; Roderick van Grootel; Maarten Witsenburg; Judith Cuypers; Jannet Eindhoven; Vivan Baggen; Myrthe Menting; Jolien Roos-Hesselink; Annemien van den Bosch; *Erasmus Medical Center, Rotterdam, Netherlands*
- 40. SYSTEMIC RIGHT VENTRICULAR FUNCTION: TEMPORAL TRENDS AND RISK FOR EVENTS**
Alexandra C. van Dissel; Michiel M. Winter; Teun van der Bom; Arie P.J. van Dijk; Hubert W. Vliegen; Gert-Jan T. Sieswerda; Jolien W. Roos-Hesselink; Petronella G. Pieper; Barbara J.M. Mulder; Berto J. Bouma; *Academic Medical Center, Amsterdam, The Netherlands*

Friday, June 8, 2018

- 41. THROMBOEMBOLISM AND BLEEDING IN ADULTS WITH CONGENITAL HEART DISEASE USING NON-VITAMIN K ANTAGONIST ORAL ANTICOAGULANTS (NOACS) FOR THROMBOEMBOLIC PREVENTION: A PROSPECTIVE WORLDWIDE OBSERVATIONAL STUDY**
Hayang Yang; Josephine Heidendael; Thelma Konings; Gertjan Sieswerda; Folkert Meijboom; Markus Post; Arie van Dijk; Werner Budyts; Marielle Morissens; Tobias Rutz; Judith Bouchardy; Matthias Greutmann; Giancarlo Scognamiglio; Mikael Dellborg; Christina Christersson; Thomas Kronvall; Lina Gumbiene; Paul Khairy; Jamil Aboulhosn; Gruschen Veldtman; Craig Broberg; Alexander Opotowsky; Shane Tsai; Tabitha Moe; Koichiro Niwa; Alexander Egbe; Jonathan Buber; Rafel Alonso-Gonzalez; W. Davidson; H. Singh; M. Lipczynska; S. Chakrabarti; Berto Bouma; Barbara Mulder; *Academic Medical Center; Amsterdam, NL*
- 42. LIVER EXTRACELLULAR VOLUME FRACTION (ECV) IS ELEVATED IN PATIENTS WITH A FONTAN PALLIATION: A CONVENIENT MARKER OF HEPATIC FIBROSIS OBTAINED DURING CARDIAC SCANNING**
Lidija McGrath, Ryan Van Workom; Stephen Heitner; Craig Broberg; *OHSU, Oregon, USA*
- 43. THROMBO-PROPHYLAXIS IN ADULTS WITH ATRIO-PULMONARY FONTAN**
Adam Small; Jamil Aboulhosn; Gentian Lluri; *Ahmanson/UCLA Adult Congenital Heart Disease Center, California, USA*
- 44. SHOULD THE NORMAL RANGE OF PULMONARY VASCULARE RESISTANCE BE RE-DEFINED IN PATIENTS WITH FONTAN CIRCULATION?**
Ashish Shah; Kelly Rohan; Graeme Kirkwood; Vaikom Mahadevan; Ashley Stokes; Ozhin Brigante; James Carmichael; Guy Kendall; Raveenjot Nagra; Tasnime Yearoo; Mehul Patel; Bawan Hama; Amaran Gill; Arjamand Shauq; Andreas Hoschtitzky; Petra Jenkins; Jaspal Dua; Purvi Shah; Pradeepkumar Charla; Heiko Schneider; *St Boniface Hospital, University of Manitob, Winnipeg, Canada*
- 45. MID-TERM OUTCOME AFTER FONTAN CONVERSION COMPARED WITH PRIMARY TOTAL CAVOPULMONARY CONNECTION.**
Atsuko Kato; Shuichiro Yoshida; Hiroshi Nishikawa; Hajime Sakurai; Naoki Ohashi; *Department of Pediatric Cardiology, Chukyo Hospital, Japan*
- 46. FIBROSURE AND ELASTOGRAPHY POORLY PREDICT THE SEVERITY OF LIVER FIBROSIS IN FONTAN ASSOCIATED LIVER DISEASE**
Manisha Patel; Jessica Schacter; Samuel Horton; Alex Ewing; Gary Abrams; Mike Devane; *Greenville Health System, South Carolina, USA*
- 47. PREVALENCE OF MENTAL ILLNESS IN ADOLESCENTS AND ADULTS WITH CONGENITAL HEART DISEASE: RESULTS FROM POPULATION-LEVEL COLORADO SURVEILLANCE SYSTEM OF CHD**
Amber Khanna, Lindsey Duca; Joseph Kay; Jay Shore; Sarah L Kelly; Tessa Crume; *University of Colorado, Denver, USA*
- 48. CARDIAC REHABILITATION IN ADULT CONGENITAL HEART DISEASE PATIENTS: EXTENDING BEYOND THE TYPICAL PATIENT POPULATION**
Lauren Sarno, Amrit Misra; Ahmed Khiewa; Henry Walters III; Ralph Delius; Thomas Forbes; Pooja Gupta; Chenni Sriram; Blake Jennifer; Swati Sehgal; Daisuke Kobayashi; *Children's Hospital of Michigan, Detroit, USA*
- 49. THE PROGNOSTIC VALUE OF ST2 IN ADULTS WITH CONGENITAL HEART DISEASE**
Laurie Geenen, Vivian Baggen; Annemien van den Bosch; Jannet Eindhoven; Judith Cuypers; Maarten Witsenburg; Eric Boersma; Jolien Roos-Hesselink; *Erasmus Medical Center, Rotterdam, Netherlands*

- 50. DEVELOPMENT OF A CLINICAL MODEL TO PREDICT SURVIVAL WITHOUT MAJOR ICU COMPLICATIONS FOR PATIENTS WITH ADULT CONGENITAL HEART DISEASE UNDERGOING CARDIAC SURGERY**
Jane Heggie, Emma Lei Lei; Jodie Beuth; Marjan Jariani; Karim Ladha; Brigitte Mueller; Lucy Roche; Erwin Oechslin; Vivek Rao; Edward Hickey; Bill Williams; *Department of Anesthesia, Peter Munk Cardiac Centre, Toronto General Hospital, University of Toronto, Toronto, Canada*
- 51. PROLONGED TPEAK-TEND INTERVAL IS A RISK FACTOR FOR SUDDEN CARDIAC DEATH IN ADULTS WITH CONGENITAL HEART DISEASE**
Jim T. Vehmeijer; Zeliha Koyak; Werner Budts; Louise Harris; Candice K. Silversides; Erwin N. Oechslin; Aeilko H. Zwinderman; Barbara J.M. Mulder; Joris R. de Groot; *Academic Medical Center, Amsterdam, the Netherlands*
- 52. TRENDS IN IN-HOSPITAL MORTALITY AND HOSPITAL OUTCOMES AMONG MECHANICALLY VENTILATED ADULT PATIENTS WITH CONGENITAL HEART DISEASE IN THE UNITED STATES**
Eric Sy, Jennifer Crawford; Michelle Keir; Payam Dehghani; *Saskatchewan Health Authority, Saskatchewan, Canada*
- 53. BAFFLE LEAKS IN ADULTS AFTER ATRIAL SWITCH FOR TRANSPOSITION OF THE GREAT ARTERIES: PRESENCE AT REST AND DURING EXERCISE**
Odilia I. Woudstra, Fabienne T.E. Alban; Miranda G.P. Bijvoet; Rianne H.A.C.M. de Bruin-Bon; Barbara J.M. Mulder; Folkert J. Meijboom; Berto J. Bouma; *Academic Medical Center Amsterdam, University Medical Center Utrecht, Netherlands*
- 54. DRUG THERAPY IN ADULT CONGENITAL HEART DISEASE: THE BURDEN OF POLYPHARMACY**
Odilia I. Woudstra, Joey M. Kuijpers; Folkert J. Meijboom; Marco C. Post; Monique R.M. Jongbloed; Arie P.J. van Dijk; Joost P. van Melle; Thelma C. Konings; Aeilko H. Zwinderman; Barbara J.M. Mulder; Berto J. Bouma; *Academic Medical Center Amsterdam, University Medical Center Utrecht, Netherlands*
- 55. VASOPRESSOR MAGNITUDE PREDICTS POOR OUTCOME IN ADULTS WITH CONGENITAL HEART DISEASE AFTER CARDIAC SURGERY**
Joseph Poterucha, Saraschandra Vallabhajosyula; Alexander Egbe; Devon Aganga; Kimberly Holst; Joseph Dearani; Sheri Crow; *Division of Pulmonary and Critical Care Medicine, Mayo Clinic College of Medicine, Rochester, Minnesota, USA*
- 56. PREDICTING OUTCOMES IN PARTURIENTS WITH UNDERLYING CARDIAC DISEASE: AN IRISH PERSPECTIVE**
Ruqaya Hajri, Alain Fennessy; Rhona Savage; Ciara O Neill; D Teodorescu; Jennifer Donnelly; Mary Bowen; Patrick Thornton; *Mater Misericordiae University Hospital , RCPI, Dublin, Ireland*
- 57. CONGENITAL HEART SURGERY IN PATIENTS OLDER THAN 16 YEARS IN A PUBLIC PEDIATRIC INSTITUTION: SCENARIO AND PROFILE OF A GROWN POPULATION.**
Diana Mariela Mouratian, Argentina Jorge Barreta; Horacio Capelli; Claudia Natalia Villalba; Maria Victoria Lafuente; Florencia Strawich; Fernando Diez Mori; Gladys Salgado; Diego Micheli; Pablo Garcia Delucis; Marisa Di Santo; *Hospital Nacional De Pediatria Garrahan, Buenos Aires, Argentina*
- 58. IMPACT OF MACITENTAN ON 6MWT IN TRISOMY 21 PATIENTS WITH EISENMEGER SYNDROME**
Ruqaya Al Hajri, Damien Kenny; Rhona Savage; Esther Doran; Ciara O neill; Kevin Walsh; *Mater Misericordiae University Hospital , RCPI, Dublin, Ireland*
- 59. PULMONARY ARTERIAL HYPERTENSION IN A MULTI-ETHNIC ASIAN POPULATION - CHARACTERISTICS, SURVIVAL AND MORTALITY PREDICTORS FROM A 12 YEAR FOLLOW-UP STUDY.**
Ting Ting Low, Yinghao Lim; Siew Pang Chan; Ting Wei Teo; Justin Jang; Ivandito Kuntjoro ; Edgar Tay; James Yip; *National University Heart Centre, Singapore*
- 60. DO WE HAVE THE ACHD PHYSICIAN RESOURCES WE NEED TO CARE FOR THE BURGEONING ACHD POPULATION?**
Fatima Ezzeddine, W. Aaron Kay; Tabitha Moe; *Indiana University School of Medicine, Indianapolis, USA*