

# Thais Coutinho

University of Ottawa Heart Institute • 40 Ruskin St. • Ottawa, ON - Canada • K1Y 4W7

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## PRESENT ACADEMIC RANK AND POSITION

- 05/2017 to present date:** Chief, Division of Cardiac Prevention and Rehabilitation,  
University of Ottawa Heart Institute
- 05/2017 to present date:** Chair, Canadian Women's Heart Health Centre,  
University of Ottawa Heart Institute
- 10/2013 to present date:** Cardiologist, University of Ottawa Heart Institute
- 05/2019 to present date:** Associate Professor of Medicine, University of Ottawa
- 04/2019 to present date:** Cross-appointment to the School of Epidemiology and Public  
Health, University of Ottawa

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## EDUCATION

- 06/2012 to 07/2013:** Level III Echocardiography Fellowship: Mayo Clinic – Rochester, MN, USA
- 06/2011 to 06/2012:** Vascular Medicine Fellowship: Mayo Clinic – Rochester, MN, USA
- 07/2008 to 06/2011:** Cardiology Fellowship: Mayo Clinic – Rochester, MN, USA
- 07/2005 to 06/2008:** Internal Medicine Residency: Mayo Clinic – Rochester, MN, USA.
- 02/1999 to 12/2004:** M.D.: Universidade Federal do Rio de Janeiro. Rio de Janeiro, Brazil.

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## BOARD CERTIFICATIONS

- 06/2013:** National Board of Echocardiography Certification
- 12/2012:** American Board of Vascular Medicine Certification (ABVM)
- 07/2011:** American Board of Internal Medicine Certification in Cardiovascular Diseases
- 07/2008:** American Board of Internal Medicine Certification in Internal Medicine
- 04/2007:** United States Medical Licensing Examination (USMLE) Step 3: Score 239/99 – Passed.
- 03/2005:** Educational Commission for Foreign Medical Graduates Certification
- 03/2005:** USMLE Step 2 Clinical Skills (CS): Passed (no score assigned – skills exam).
- 09/2004:** USMLE Step 2 Clinical Knowledge (CK): Score 273/99 – Passed.
- 05/2004:** United States Medical Licensing Examination Step 1: Score 243/ 98 – Passed.

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## MEDICAL LICENSURES

- 09/2013 to present date:** College of Physicians and Surgeons of Ontario Certification # 102126
- 01/2005 to present date:** Brazilian Medical License # 52- 77.969-5
- 03/2005 to present date:** ECFMG certification # 0-660-789-9
- 07/2006 to 07/2013:** Minnesota Medical License

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## AWARDS

- 12/2019:** University of Ottawa Heart Institute 2019 Global Achievement Award
- 04/2018:** University of Ottawa Heart Institute Academic Medical Organization Academic Award for Public Education
- 04/2017:** University of Ottawa Heart Institute Academic Medical Organization Dr. Martin Green Research Award – Clinical Science
- 10/2015:** Canadian Cardiovascular Society’s Young Investigator Award – Clinical Research
- 12/2013:** Mayo Clinic’s Cardiovascular Division Outstanding Achievement Award - Clinical
- 12/2012:** American College of Cardiology Foundation/ Bristol-Myers Squibb Travel Award
- 05/2012:** Mayo Clinic’s Summerskill Award for Research by a Fellow with a Clinical Appointment.
- 03/2012:** American College of Cardiology’s Young Investigator Award – 2nd place. Chicago, IL
- 11/2011:** American Heart Association’s Young Investigator Award – 1st place. Orlando, FL
- 11/2010:** American Heart Association’s Women in Cardiology Trainee Award in Excellence. Chicago, IL
- 12/2004:** Graduated CUM LAUDE
- 12/2002:** Competitive research scholarship awarded by the National Council of Research for Scientific and Technological Development (CNPq – Brazil)
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## ACADEMIC CAREER DEVELOPMENT

Center for Translational Science Activities’ Clinical and Translational Science Postdoctoral Certificate – 2012. Credits obtained:

- Introduction to Clinical Research: Mayo Clinic Center for Translational Science Activities (CTSA), Rochester, MN. Summer 2010 (1 credit)
- Statistics I. Mayo Clinic CTSA, Rochester, MN. Summer 2010 (2 credits)
- Epidemiology I. Mayo Clinic CTSA, Rochester, MN. Summer 2010 (1 credit)
- Epidemiology II. Mayo Clinic CTSA, Rochester, MN. Summer 2010 (1 credit)
- Utilizing Statistics in Clinical Research. Mayo Clinic CTSA, Rochester, MN. Summer 2010 (1 credit)
- Clinical Research Protocol Development. Mayo Clinic CTSA, Rochester, MN. Fall 2010 (2 credits)
- Statistics II. Mayo Clinic CTSA, Rochester, MN. Fall 2010 (3 credits)
- Responsible Conduct of Research. Mayo Clinic CTSA, Rochester, MN. Winter 2010 (1 credit)
- Cardiovascular Research Seminar. Mayo Clinic CTSA, Rochester, MN. Winter 2010 (1 credit)

- Advanced Applied Epidemiology Methods. Mayo Clinic CTSA, Rochester, MN. Winter 2010 (2 credits)
- Managing and Displaying Data. Mayo Clinic CTSA, Rochester, MN. Fall 2011 (1 credit)
- Clinical Trials Design and Conduct. Mayo Clinic CTSA, Rochester, MN. Winter 2011 (1 credit).
- Writing Winning Grants Workshop. Mayo Clinic CTSA. Rochester, MN. Fall 2012

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## PROFESSIONAL MEMBERSHIPS AND SOCIETIES

**05/2018 to present date:** American Heart Association

**11/2017 to present date:** Canadian Women's Heart and Brain Health Research Network

**07/2014 to present date:** North American Artery Society

**10/2013 to present date:** Canadian Cardiovascular Society

**10/2013 to present date:** CIHR Canadian Vascular Network

**10/2013 to present date:** Ontario Medical Association

**10/2013 to present date:** Ontario Association of Cardiologists

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## CLINICAL INNOVATIONS

**11/2017:** Created the Women's Heart Health Clinic at the University of Ottawa Heart Institute (first of its kind in the region)

**11/2017:** Created the Peripheral Arterial Disease Walking Rehabilitation and Risk Management Program at the University of Ottawa Heart Institute (first of its kind in Canada)

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## LEADERSHIP EXPERIENCE

**October 13-28, 2018:** Leadership for Physicians in Academic Medical Centers course. Harvard T.H. Chan School of Public Health. Boston, MA, USA.

**04/2018 to present date:** Canadian Women's Heart Health Alliance. Role: Secretariat Chair

**05/2017 to present date:** Division of Cardiac Prevention and Rehabilitation, University of Ottawa Heart Institute. Role: Chief

**05/2017 to present date:** Canadian Women's Heart Health Centre, University of Ottawa Heart Institute. Role: Chair

**05/2017 to present date:** Women's Heart Health Team, University of Ottawa Heart Institute. Role: Chair

**01/2016 to present date:** Canadian Women's Heart Health Summit. Role: Co-Chair

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## LEAVES OF ABSENCE

**04/2016 to 10/2016:** Parental leave

**09/2019 to 03/2020:** Parental leave

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## RESEARCH GRANTS

### *External Funding Received - As **Principal Investigator**:*

#### **1) Early Career Arrhythmia and Atrial Fibrillation Award (ECA3)**

**Project Title:** Do hypertensive disorders of pregnancy increase the risk of incident atrial fibrillation?

**Funds available:** July 2019

**Support amount:** CAD\$ 126,014

**Support time:** 2019-2022

#### **2) Ontario Alternative Funding Plan (AFP) Innovations Grant**

**Project Title:** Effect of a Hybrid Rehabilitation Program on Walking, Quality of Life and Cardiovascular Risk in People with Peripheral Arterial Disease (HY-PAD): A Pilot Randomized Controlled Trial

**Funds available:** April 2018

**Support amount:** CAD\$ 25,000

**Support time:** 2018-2019

#### **3) Canadian Institutes of Health Research (CIHR) Planning and Dissemination Grant**

**Project Title:** Stronger together: An interdisciplinary planning meeting to identify and support best practices addressing sex and gender disparities in cardiovascular diseases among Canadian women

**Funds available:** November 2017

**Support amount:** CAD\$ 15,000

**Support time:** 2017-2018

#### **4) Heart and Stroke Foundation of Canada (HSFC) Grant-in-Aid**

**Project Title:** Predictors of Disease Progression in Thoracic Aorta Aneurysms: Role of Aortic Stiffness and Hemodynamics

**Funds available:** July 2016

**Support amount:** CAD\$ 220,938

**Support time:** 2016-2021

**5) Ontario Alternative Funding Plan (AFP) Innovations Grant – Grant Renewal**

**Project Title:** Non-Invasive Assessment of Arterial Hemodynamics in Patients with Thoracic Aorta Aneurysmal Disease – a Pilot Study (Renewal)

**Funds available:** June 2016

**Support amount:** CAD\$ 25,000

**Support time:** 2016-2017

**6) The J.P. Bickell Foundation Medical Research Grant**

**Project Title:** Role of Arterial Stiffness and Load in the Pathogenesis of Heart Failure with Preserved Ejection Fraction (HFpEF)

**Support amount:** CAD\$ 65,000

**Funds available:** July 2015

**Support time:** 2015-2017

**7) Heart and Stroke Foundation of Canada Early Research Leaders Initiative (ERLI) Grant**

**Project Title:** Investigating the Pathogenesis and Clinical Applications of Arterial Health in Cardiovascular Diseases.

**Support Amount:** CAD\$ 150,000

**Funds available:** July 2015

**Support Time:** 2015-2018

**8) Canadian Vascular Network Pilot Research Grant**

**Project Title:** Role of Arterial Stiffness in Microvascular Coronary Artery Dysfunction in Patients with Heart Failure with Preserved Ejection Fraction – a Pilot Study

**Support amount:** CAD\$ 24,774

**Funds available:** June 2014

**Support time:** 2014 -2016

**9) Ontario Alternative Funding Plan (AFP) Innovations Grant**

**Project Title:** Non-Invasive Assessment of Arterial Hemodynamics in Patients with Thoracic Aorta Aneurysmal Disease – a Pilot Study

**Funds available:** April 2014

**Support amount:** CAD\$ 25,000

**Support time:** 2014-2015

*Internal Funding Received - As Principal Investigator:*

**1) ORACLE Pilot Project Funding Opportunity 2019**

**Project Title:** Simplifying Proteomic and Hemodynamic Assessment of Patients with Thoracic Aortic Aneurysm (TAA): Pilot to Inform a Multicenter Study for Development of a Personalized TAA risk score

**Funds available:** May 2019

**Support amount:** CAD\$ 49,966

**Support time:** 2019-2020

**2) University of Ottawa Heart Institute Heart Team Grant**

**Project Title:** Early Vascular Aging in Women at Risk for Cardiovascular Disease: The EVA Study (Women's Heart Health Team)

**Funds available:** June 2016

**Support amount:** CAD\$ 132,500

**Support time:** 2016-2018

**3) University of Ottawa Heart Institute Equipment Competition Grant**

**Project Title:** Sex Differences in Aortic Stiffness and its Role in Cardiovascular Diseases: Large-Scale Assessment with a Brachial Pulse Wave Analysis Monitor During Cardiac Imaging

**Support Amount:** CAD\$ 22,148

**Funds available:** Fall 2015

**Support Time:** One-time award

**4) University of Ottawa Heart Institute Division of Cardiology Research and Education Development Grant**

**Project Title:** Role of Arterial Stiffness in Microvascular Coronary Artery Dysfunction in Patients with Heart Failure with Preserved Ejection Fraction – a Pilot Study

**Support amount:** CAD\$ 37,300

**Funds available:** June 2014

**Support time:** 2014 – 2017

*External Funding Received - As Co-Investigator:*

**1) Innovations Fund of the Alternate Funding Plan for the Academic Health Sciences Centres of the Ontario Ministry of Health**

**Project Title:** Examining the interaction between frailty and COVID-19 infection and health complications in older adults with cardiovascular disease

**Principal Investigator:** Dr. Andrew Pipe and Dr. Jennifer Reed

**Funds available:** June 2020

**Support amount:** CAD\$ 25,000

**Support time:** 2020-2021

**2) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Treatment In Thoracic Aortic aNeurysm: Surgery vs. Surveillance (TITAN:SvS) - A Multi-center, Randomized Controlled Trial

**Principal Investigator:** Dr. Munir Boodhwani

**Funds available:** July 2020

**Support amount:** CAD\$ 1,797,750

**Support time:** 2020-2025

**3) Canadian Institutes of Health Research (CIHR) Collaborative Health Research Project (NSERC partnered)**

**Project Title:** Automated placenta screening to improve maternal lifetime cardiovascular health

**Principal Investigator:** Dr. Shannon Amber Bainbridge

**Funds available:** July 2020

**Support amount:** CAD\$ 244,044

**Support time:** 2020-2023

**4) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Familial Hypercholesterolemia in Canada: Precision and Personalized Approaches to Increase Identification and Improve Clinical outcomes

**Principal Investigator:** Dr. Jacques Genest

**Funds available:** July 2020

**Support amount:** CAD\$ 734,400

**Support time:** 2020-2025

**5) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Psychological Profile and Needs of Patients with Spontaneous Coronary Artery Dissection (SCAD)

**Principal Investigator:** Dr. Heather E. Tulloch

**Funds available:** July 2020  
**Support amount:** CAD\$ 100,000  
**Support time:** 2020-2021

**6) Ontario Alternative Funding Plan (AFP) Innovations Grant**

**Project Title:** Sex Differences in Outcomes after Multiple Arterial Revascularization  
**Principal Investigator:** Fraser Rubens, MD  
**Funds available:** June 2019  
**Support amount:** CAD\$ 25,000  
**Support time:** 2019-2020

**7) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Randomized trial of peer support for women with heart disease  
**Principal Investigator:** Robert D. Reid  
**Funds available:** July 2017  
**Support amount:** CAD\$ 405,449  
**Support time:** 2017-2020

**8) Heart and Stroke Foundation of Canada (HSFC) Grant-in-Aid (declined due to receipt of CIHR grant above)**

**Project Title:** Randomized trial of a peer support program for women with heart disease  
**Principal Investigator:** Robert D. Reid  
**Funds available:** July 2017  
**Support amount:** CAD\$ 209,024  
**Support time:** 2017-2020

**9) Heart and Stroke Foundation of Canada (HSFC)**

**Project Title:** Spironolactone Therapy in Chronic Stable Right Heart Failure (STAR HF) Trial  
**Principal Investigator:** Lisa Mielniczuk  
**Funds available:** July 2017  
**Support amount:** CAD\$ 281,648  
**Support time:** 2017-2020

**10) Canadian Institutes of Health Research (CIHR) Emerging Network Grant**

**Project Title:** Canadian Vascular Network  
**Principal Investigator:** Duncan Stewart and Peter Liu  
**Funds available:** July 2013  
**Support amount:** CAD\$ 4,500,000



**Support time:** 2013-2018

**11) Canadian Institutes of Health Research (CIHR) Planning and Dissemination Grant**

**Project Title:** Dissemination Activities to Educate Providers and Further Women's Heart Health: Findings from the 2016 Canadian Women's Heart Health Summit in Ottawa, Ontario, Canada

**Principal Investigator:** Michele Turek

**Funds available:** May 2016

**Support amount:** CAD\$ 10,000

**Support time:** 2016-2017

**12) Canadian Vascular Network Pilot Research Grant**

**Project Title:** Blood pRessure And Vascular hEalth around menopause (BRAVE)

**Principal Investigator:** Louise Pilote, MD – McGill University, Montreal, QC, Canada

**Funds available:** June 2014

**Support amount:** CAD\$ 86,837

**Support time:** 2014-2016

*Internal Funding Received - As Co-Investigator:*

**1) University of Ottawa Heart Institute Heart Team Grant**

**Project Title:** Influence of Gender on Cardiac Referral, Quality Indicators and Outcomes in Heart Failure Care in Ontario

**Principal Investigators:** Lisa Mielniczuk and Louise Sun

**Funds available:** June 2016

**Support amount:** CAD\$ 132,500

**Support time:** 2016-2018

**SALARY SUPPORT AWARDS:**

**1) Heart and Stroke Foundation of Ontario Clinician Scientist Phase I Award**

**Funds available:** June 2016

**Support amount:** CAD\$ 280,000

**Support time:** 2016-2021

***GRANTS CURRENTLY UNDER REVIEW:***

***As Principal Investigator***

**1) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Aortic Function as a PREDICTor of Thoracic Aortic Aneurysm (TAA) Expansion: Development and Validation of a TAA Growth Prediction Model – the PREDICT-TAA study

**Principal Investigator:** Dr. Thais Coutinho

**Support amount:** CAD\$ 1,285,000

***As Co-Investigator:***

**1) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** EXercise TRial after Aortic Dissection – EXTRA-AD

**Principal Investigator:** Dr. Michael McMurtry

**Support amount:** CAD\$ 620,000

**2) Canadian Institutes of Health Research (CIHR) Project Grant**

**Project Title:** Rethinking post-acute cardiac care: RCT of live-streamed cardiac rehabilitation

**Principal Investigator:** Dr. Robert Reid

**Support amount:** CAD\$ 1,830,000

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## PUBLICATIONS

### *Full-length, peer-reviewed original articles*

1. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells GA, **Coutinho T**. *Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Expansion*. Hypertension 2020 [in press].
2. Rooprai J, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Wells GA, **Coutinho T**. *Central Hypertension in Patients with Thoracic Aortic Aneurysm: Prevalence and Association with Aneurysm Size and Growth*. American Journal of Hypertension 2020 [in press]
3. Sun LY, Mielniczuk LM, Liu PP, Beanlands R, Chih S, Davies R, **Coutinho T**, Lee DS, Austin PC, Bader Eddeen A, Tu JV. *Sex-Specific Temporal Trends in Ambulatory Heart Failure Incidence, Mortality and Hospitalization in Ontario, Canada from 1994-2013*. BMJ Open 2020 [in press]
4. Richer J, Hill HL, Wang Y, Yang ML, Hunker KL, Lane J, Blackburn S, Coleman DM, Eliason J, Sillon G, D'Agostino MD, Jetty P, Mongeon FP, Laberge AM, Ryan SE, Fendrikova-Mahlay N, **Coutinho T**, Mathis MR, Zawistowski M, Hazen S, Katz A, Gornik H, Brummett C, Abecasis G, Bergin I, Stanley J, Li J, Ganesh SK. *Novel Recurrent COL5A1 Genetic Variant Is Associated With a Dysplasia-Associated Arterial Disease Exhibiting Dissections and Fibromuscular Dysplasia*. Arteriosclerosis, Thrombosis, and Vascular Biology doi.org/10.1161/ATVBAHA.119.313885.
5. Mohamed W, Mohamed MO, Hirji S, Ouzounian M, Sun LY, **Coutinho T**, Percy E, Mamas MA. *Trends in sex-based differences in outcomes following coronary artery bypass grafting in the United States between 2004 and 2015*. Int J Cardiol 2020 320:42–48. doi: 10.1016/j.ijcard.2020.07.039.
6. Moulson N, Bewick D, Selway T, Harris J, Suskin N, Oh P, **Coutinho T**, Singh G, Chow CM, Clarke B, Cowan S, Fordyce CB, Fournier A, Gin K, Gupta A, Hardiman S, Jackson S, Lamarche Y, Lau B, Légaré JF, Leong-Poi H, Mansour S, Marelli A, Quraishi AUR, Roifman I, Ruel M, Sapp J, Small G, Turgeon R, Wood DA, Zieroth S, Virani S, Krahn AD. *Cardiac Rehabilitation during the COVID-19 Era: Guidance on Implementing Virtual Care*. Can J Cardiol 2020 Aug;36(8):1317-1321. doi: 10.1016/j.cjca.2020.06.006.
7. Wu P, Jordan KP, Chew-Graham CA, **Coutinho T**, Lundberg GP, Park KE, Chappell LC, Myint PK, Maas A, Mamas MA. *Temporal Trends in Pregnancy-Associated Stroke and Its Outcomes Among Women With Hypertensive Disorders of Pregnancy*. J Am Heart Assoc 2020 Aug 4;9(15):e016182. doi:10.1161/JAHA.120.016182

8. Rubens FD, Wells GA, **Coutinho T**, Eddeen AB, Sun LY. *Sex differences after coronary artery bypass grafting with a second arterial conduit.* J Thorac Cardiovasc Surg 2020 Apr 23:S0022-5223(20)31007-2. doi: 10.1016/j.jtcvs.2020.04.058.
9. Percy E, Luc JGY, Vervoort D, Hirji S, Ruel M, **Coutinho T**. *Post-Discharge Cardiac Care in the Era of Coronavirus 2019: How Should We Prepare?* Can J Cardiol 2020 Jun;36(6):956-960. doi: 10.1016/j.cjca.2020.04.006.
10. Norris CM, Yip CY, Nerenberg KA, Clavel MA, Pacheco C, Foulds HJA, Hardy M, Gonsalves CA, Jaffer S, Parry M, Colella TJF, Dhukai A, Grewal J, Price JAD, Levinsson ALE, Hart D, Harvey PJ, Van Spall HGC, Sarfi H, Sedlak TL, Ahmed SB, Baer C, **Coutinho T**, Edwards JD, Green CR, Kirkham AA, Srivaratharajah K, Dumanski S, Keeping-Burke L, Lappa N, Reid RD, Robert H, Smith G, Martin-Rhee M, Mulvagh SL. *State of the Science in Women's Cardiovascular Disease: A Canadian Perspective on the Influence of Sex and Gender.* J Am Heart Assoc 2020 Feb 18;9(4): e015634. doi: 10.1161/JAHA.119.015634.
11. Guo MH, Tran D, Ahmadvand A, **Coutinho T**, Glineur D, Al-Atassi T, Boodhwani M. *Perioperative and Long-Term Morbidity and Mortality for Elderly Patients Undergoing Thoracic Aortic Surgery.* Semin Thorac Cardiovasc Surg 2020 Jan 18. pii: S1043-0679(20)30007-1. doi: 10.1053/j.semtcvs.2020.01.007.
12. Bouchard K, Tarannum CN, **Coutinho T**, So D, Tulloch H. *Secondary Preventative Care for Patients After Spontaneous Coronary Artery Dissection: A Qualitative Analysis of Health Care Providers' Perspectives.* Can J Cardiol 2020 Jul;36(7):1156-1160. doi: 10.1016/j.cjca.2019.11.004.
13. Chung J, **Coutinho T**, Chu MWA, Ouzounian M. *Sex differences in thoracic aortic disease: A review of the literature and a call to action.* J Thorac Cardiovasc Surg 2020 Sep;160(3):656-660. doi: 10.1016/j.jtcvs.2019.09.194
14. Rooprai J, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, Messika-Zeitoun D, **Coutinho T**. *Thoracic Aortic Aneurysm Growth in Bicuspid Aortic Valve Patients: Role of Aortic Stiffness and Pulsatile Hemodynamics.* J Am Heart Assoc 2019 Apr 16;8(8):e010885. DOI: 10.1161/JAHA.118.010885.
15. Jue J, Boodhwani M, Beauchesne L, Dennie C, Nagpal S, Chan K-L, **Coutinho T**. *Greater Aortic Stiffness and Pulsatile Arterial Load are Associated with Larger Thoracic Aortic Aneurysm Size in Women.* Circulation 2019;139:1124-1126.

16. Boczar KE, Cheung K, Boodhwani M, Beauchesne L, Dennie C, Nagpal S, Chan K, **Coutinho T**. *Sex Differences in Thoracic Aortic Aneurysm Growth: Role of Aortic Stiffness. Hypertension* 2019;73:190-196. DOI: 10.1161/HYPERTENSIONAHA.118.11851.
17. Sun LY, Tu JV, **Coutinho T**, Turek M, Rubens FD, McDonnell L, Tulloch H, Eddeen AB, Mielniczuk LM. *Sex Differences in Outcomes of Heart Failure in an Ambulatory, Population-Based Cohort from 2009 to 2013. Can Med Associat J.* 2018 Jul 16;190(28):E848-E854. doi: 10.1503/cmaj.180177.
18. Sun LY, Tu JV, Sherrard H, Rodger N, **Coutinho T**, Turek M, Chan E, Tulloch H, McDonnell L, Mielniczuk LM. *Sex-Specific Trends in Incidence and Mortality for Urban and Rural Ambulatory Heart Failure Patients in Eastern Ontario from 1994 to 2013. J Card Fail* 2018 Sep;24(9):568-574. doi: 10.1016/j.cardfail.2018.07.465.
19. **Coutinho T**, Turner ST, Kullo IJ. *Adverse effects of long-term weight gain on microvascular endothelial function. Obes Res Clin Pract* 2018 Sep - Oct;12(5):452-458. doi: 10.1016/j.orcp.2018.06.008.
20. **Coutinho T**, Mielniczuk LM, Srivaratharajah K, deKemp R, Wells GA, Beanlands RS. *Coronary artery microvascular dysfunction: Role of sex and arterial load. Int J Cardiol* 2018 Nov 1;270:42-47. doi: 10.1016/j.ijcard.2018.06.072.
21. **Coutinho T**, Lamai O, Nerenberg K. *Hypertensive Disorders of Pregnancy and Cardiovascular Diseases: Current Knowledge and Future Directions. Curr Treat Options Cardio Med.* Invited Review 2018;20(7):56. doi: 10.1007/s11936-018-0653-8
22. Boczar KE, **Coutinho T**. *Sex Considerations in Aneurysm Formation, Progression, and Outcomes. Can J Cardiol* 2018;34:362-370.
23. Prince SA, McDonnell LA, Turek MA, Visintini S, Nahwegahbow A, Kandasamy S, Sun LY, **Coutinho T**. *The State of Affairs for Cardiovascular Health Research in Indigenous Women in Canada: A Scoping Review. Can J Cardiol* 2018;34:437-449.
24. **Coutinho T**, Yam Y, Chow BJW, Dwivedi G, Inácio J. *Sex Differences in Associations of Arterial Compliance with Coronary Artery Plaque and Calcification Burden. J Am Heart Assoc.* 2017 Aug 19;6(8). pii: e006079. doi: 10.1161/JAHA.117.006079.
25. McDonnell LA, Turek M, **Coutinho T**, Nerenberg K, de Margerie M, Perron S, Reid RD, Pipe AL. *Women's Heart Health: Knowledge, Beliefs, and Practices of Canadian Physicians. J Womens Health.* 2018 Jan;27(1):72-82.

26. Prince SA, Comber L, Turek M, Ives S, **Coutinho T**, Pipe AL, Reid RD, McDonnell L. *Charting the Course for Women's Heart Health in Canada: Recommendations from the First Canadian Women's Heart Health Summit*. Can J Cardiol 2017;33(6):693-700.
27. Cheung K, Boodhwani M, Chan KL, Beauchesne L, Dick A, **Coutinho T**. *Thoracic Aortic Aneurysm Growth: Role of Sex and Aneurysm Etiology*. J Am Heart Assoc. 2017 Feb 3;6(2). pii: e003792.
28. Srivaratharajah K, **Coutinho T**, deKemp R, Liu P, Haddad H, Stadnick E, Davies RA, Chih S, Dwivedi G, Guo A, Wells GA, Bernick J, Beanlands R, Mielniczuk LM. *Reduced Myocardial Flow in Heart Failure Patients With Preserved Ejection Fraction*. Circ Heart Fail. 2016 Jul;9(7). pii: e002562.
29. Ong KC, Geske JB, Hebl VB, Nishimura RA, Schaff HV, Ackerman MJ, Klarich KW, Siontis KC, **Coutinho T**, Dearani JA, Ommen SR, Gersh BJ. *Pulmonary hypertension is associated with worse survival in hypertrophic cardiomyopathy*. Eur Heart J Cardiovasc Imaging. 2016 Jun;17(6):604-10.
30. Sharma S, Batsis JA, **Coutinho T**, Somers VK, Hodge DO, Carter RE, Sochor O, Kragelund C, Kanaya AM, Zeller M, Park JS, Køber L, Torp-Pedersen C, Lopez-Jimenez F. *Normal-Weight Central Obesity and Mortality Risk in Older Adults With Coronary Artery Disease*. Mayo Clin Proc. 2016 Mar;91(3):343-51.
31. Sahakyan KR, Somers VK, Rodriguez-Escudero JP, Hodge DO, Carter RE, Sochor O, **Coutinho T**, Jensen MD, Roger VL, Singh P, Lopez-Jimenez F. *Normal-Weight Central Obesity: Implications for Total and Cardiovascular Mortality*. Ann Intern Med. 2015 Dec 1;163(11):827-35.
32. **Coutinho T**, Pellikka PA, Bailey KR, Turner ST, Kullo IJ. *Sex Differences in the Associations of Hemodynamic Load with Left Ventricular Hypertrophy and Concentric Remodeling*. Am J Hypertens. 2016 Jan;29(1):73-80.
33. Ye Z, **Coutinho T**, Pellikka PA, Villarraga HR, Borlaug BA, Kullo IJ. *Associations of Alterations in Pulsatile Arterial Load with Left Ventricular Longitudinal Strain*. Am J Hypertens. 2015 Nov;28(11):1325-31.
34. Aljizeeri A, **Coutinho T**, Pen A, Chen L, Yam Y, Dent R, McPherson R, Chow BJ. *Obesity and coronary artery calcification: Can it explain the obesity-paradox?* Int J Cardiovasc Imaging. 2015 Jun;31(5):1063-70.

35. Luis SA, **Coutinho T**, Pellikka PA, Rihal CS, Pislaru SV. *Management of coexistent multi-valvular prosthetic dysfunction: a unique approach.* Eur Heart J. 2015 May 7;36(18):1077.
36. **Coutinho T**. *Arterial stiffness and its clinical implications in women.* Can J Cardiol. 2014 Jul;30(7):756-64. Review.
37. **Coutinho T**, Bailey KR, Turner ST, Kullo IJ. *Arterial stiffness is associated with increase in blood pressure over time in treated hypertensives.* J Am Soc Hypertens. 2014 Jun;8(6):414-21.
38. Goel K, Lopez-Jimenez F, De Schutter A, **Coutinho T**, Lavie CJ. *Obesity paradox in different populations: evidence and controversies.* Future Cardiol. 2014 Jan;10(1):81-91. Review.
39. **Coutinho T**, Goel K, Corrêa de Sá D, Carter RE, Hodge DO, Kragelund C, Kanaya AM, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R, Roger VL, Somers VK, Lopez-Jimenez F. *Combining body mass index with measures of central obesity in the assessment of mortality in subjects with coronary disease: role of "normal weight central obesity".* J Am Coll Cardiol. 2013 Feb 5;61(5):553-60.
40. **Coutinho T**, Borlaug BA, Pellikka PA, Turner ST, Kullo IJ. *Sex differences in arterial stiffness and ventricular-arterial interactions.* J Am Coll Cardiol. 2013 Jan 8;61(1):96-103.
41. **Coutinho T**, Turner ST, Mosley TH, Kullo IJ. *Biomarkers associated with pulse pressure in African-Americans and non-Hispanic whites.* Am J Hypertens. 2012 Feb;25(2):145-51.
42. **Coutinho T**, Al-Omari M, Mosley TH Jr, Kullo IJ. *Biomarkers of left ventricular hypertrophy and remodeling in blacks.* Hypertension. 2011 Nov;58(5):920-5.
43. Correa de Sa DD, **Coutinho T**, Sorajja P. *Saphenous vein graft aneurysm: an unusual cause of mediastinal mass.* Am Heart Hosp J. 2011 Summer;9(1):E52-4.
44. **Coutinho T**, Turner ST, Kullo IJ. *Aortic pulse wave velocity is associated with measures of subclinical target organ damage.* JACC Cardiovasc Imaging. 2011 Jul;4(7):754-61.
45. **Coutinho T**, Goel K, Corrêa de Sá D, Kragelund C, Kanaya AM, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R, Roger VL, Somers VK, Lopez-Jimenez F. *Central obesity and survival in subjects with coronary artery disease: a systematic review of the literature and collaborative analysis with individual subject data.* J Am Coll Cardiol. 2011 May 10;57(19):1877-86. Review.
46. **Coutinho T**, Rooke TW, Kullo IJ. *Arterial dysfunction and functional performance in patients with peripheral artery disease: a review.* Vasc Med. 2011 Jun;16(3):203-11. Review.

47. Goel K, Thomas RJ, Squires RW, **Coutinho T**, Trejo-Gutierrez JF, Somers VK, Miles JM, Lopez-Jimenez F. *Combined effect of cardiorespiratory fitness and adiposity on mortality in patients with coronary artery disease.* Am Heart J. 2011 Mar;161(3):590-7.
48. **Coutinho T de A**, Turner ST, Kullo IJ. *Serum uric acid is associated with microvascular function in hypertensive individuals.* J Hum Hypertens. 2007 Aug;21(8):610-5.
49. **Coutinho T de A**, Turner ST, Peyser PA, Bielak LF, Sheedy PF 2nd, Kullo IJ. *Associations of serum uric acid with markers of inflammation, metabolic syndrome, and subclinical coronary atherosclerosis.* Am J Hypertens. 2007 Jan;20(1):83-9.
50. Tsigrelis C, Singh KV, **Coutinho TD**, Murray BE, Baddour LM. *Vancomycin-resistant Enterococcus faecalis endocarditis: linezolid failure and strain characterization of virulence factors.* J Clin Microbiol. 2007 Feb;45(2):631-5.

#### *Submitted full-length manuscripts (under review)*

1. Zhu T, Boodhwani M, Beauchesne LM, Dennie C, Chan KL, Wells GA, **Coutinho T**. *Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.* Submitted to J Am Coll Cardiol.
2. Mian O, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Wells GA, **Coutinho T**. *Single vs. Serial Assessments of Arterial Hemodynamics to Predict Thoracic Aortic Aneurysm (TAA) Expansion.* Submitted to Hypertension.
3. Bouchard K, **Coutinho T**, Reed J, Lalande K, Tarannum CN, So D, Saw J, Mulvagh S, Tulloch H. *Recovering from Spontaneous Coronary Artery Dissection: Patient-reported challenges and rehabilitative intervention needs.*

#### *Manuscripts in preparation*

1. Arterial age and early vascular aging predict future thoracic aneurysm expansion. (First Author: Anthony Poulin. Senior Author: **Thais Coutinho**)
2. Association of estimated pulse wave velocity with future thoracic aortic aneurysm expansion (First Author: Kevin Boczar. Senior Author: **Thais Coutinho**)



## Book Chapters

1. **Coutinho, T.** *Heart Teams for Women's Heart Health: Advancing Cardiovascular Prevention and Care for Women*. Heart Teams for Treatment of Cardiovascular Disease. Editor: Thierry Mesana, MD. Publisher: Springer, Cham. 2019
2. **Coutinho T**, Kullo IJ. *Vascular Tonometry and Imaging for Cardiovascular Risk Assessment*. Oh's The Echo Manual, 4th Edition. November 2018
3. **Coutinho T**, Kullo IJ. *Cardiovascular Risk Assessment in the Vascular Laboratory*. Strandness's Duplex Scanning in Vascular Disorders, 5th Edition. 2016
4. Rooprai, J and **Coutinho, T.** Arterial stiffness and hemodynamics in patients with aortopathy. Chapter in final stages of preparation.

## Published Abstracts

1. Boczar K, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Wells, G, **Coutinho T.** Estimated Aortic Pulse Wave Velocity Predicts Future Thoracic Aortic Aneurysm Expansion: Results from a Prospective Cohort Study with Sex-Specific Analyses. Can J Cardiol. 2020; 36 (10S): S110-S111.
2. Rooprai J, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** Central Hypertension in Apparently Normotensive Patients With Thoracic Aortic Aneurysms: Prevalence and Association *With Aneurysm Expansion*. Circulation. 2019;140:A11307
3. Santi N, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Arterial Age and Early Vascular Aging Predict Future Thoracic Aortic Aneurysm Expansion*. Circulation. 2019;140:A12594
4. Zhu T, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Combining Aortic Size with Measures of Aortic Stiffness and Pulsatile Hemodynamics Enhances Prediction of Future Thoracic Aortic Aneurysm Expansion*. Eur Heart J 2019; 40 (Supplement\_1): ehz746.0548
5. Boczar K, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Expansion*. Can J Cardiol 2019; 35 (10\_Suppl): S76
6. Santi N, Boodhwani S, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Arterial age and early vascular aging, but not chronological age, are associated with faster thoracic aortic aneurysm growth*. Eur J Prev Cardiol 2019;26(1\_suppl): S68

7. Rooprai J, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Patients with Thoracic Aortic Aneurysms Without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size.* J Am Coll Cardiol 2019;73 (9 Supplement 1):2071; DOI:10.1016/S0735-1097(19)32677-4
8. Boczar K, Boodhwani M, Beauchesne L, Chan K, Dennie C, **Coutinho T.** *Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Thoracic Aortic Aneurysm Growth: Results From a Prospective Cohort Study With Sex-Specific Analyses.* Circulation 2018;138:A11831
9. Boczar K, Boodhwani M, Beauchesne L, Chan K, Dennie C, **Coutinho T.** *Sex Differences in Thoracic Aortic Aneurysm Growth: Role of Aortic Stiffness.* Can J Cardiol 2018;34(10S):S73-S74
10. Hindieh W, Boodhwani M, Beauchesne L, Chan K, Dennie C, **Coutinho T.** *Associations of Arterial Hemodynamic Measures with Accelerated Thoracic Aortic Aneurysm Growth.* Can J Cardiol 2018;34(10S):S119-120
11. Rooprai J, Boodhwani M, Beauchesne L, Chan K, Dennie C, **Coutinho T.** *Thoracic Aortic Aneurysm Growth in Patients with Bicuspid Aortic Valves: Role of Aortic Stiffness and Pulsatile Hemodynamics.* Can J Cardiol 2018;34(10S):S120
12. Prince SA, McDonnell LA, Turek MA, Visintini S, Nahwegahbow A, Kandasamy S, Sun LY, **Coutinho T.** *The State of Affairs for Cardiovascular Health Research in Indigenous Women in Canada: A Scoping Review.* Can J Cardiol 2018;34:e2
13. Jue J, Boodhwani M, Beauchesne L, Dennie C, Chan K, **Coutinho T.** *Sex Differences in the Associations of Arterial Stiffness and Pulsatile Hemodynamics with Thoracic Aortic Aneurysm Size.* Can J Cardiol 2018;34:e6
14. Elias N, Reid R, **Coutinho T.**, McDonnell LA. *The Women@Heart Program: Impact of a Peer Support Program for Women with Coronary Artery Disease.* Can J Cardiol 2018;34:e12
15. Lamai O, Balogun M, Daniel F, **Coutinho T.** *Treadmill Exercise Responses in Newly Diagnosed Hypertensive African Women.* Can J Cardiol 2018;34:e13
16. **Coutinho T.**, Cheung KY, Boodhwani M, Beauchesne L, Dennie C, Dick A, Nagpal S, Chan KL. *Sex Differences in Thoracic Aortic Aneurysm Growth: Role of Aortic Stiffness.* J Am Coll Cardiol 2017; 69 (11, Suppl): 2041

17. Cheung KA, Boodhwani M, Beauchesne L, Chan KL, Dick A, **Coutinho T**. *Sex Differences in Growth Rates of Thoracic Aortic Aneurysms: Role of Aneurysm Etiology (Abstract)*. Can J Cardiol 2016; 32(4): S1
18. Cotie L, **Coutinho T**, Prince S, Pipe A, Reid R, Reed J. *Characterizing Vascular Health in Female Nurses in the Champlain Region of Ontario (Abstract)*. Can J Cardiol 2016; 32(4): S221
19. Mohajeri S, McLean K, Kapralik J, Chan V, **Coutinho T**, Boodhwani M. *Predictors of Left Ventricular Recovery Following Surgical Intervention for Aortic Insufficiency (Abstract)*. Can J Cardiol 2016; 32 (4): S190-S191
20. Rossi AM, Grand'Maison S, Daskalopoulou SS, **Coutinho T**, Khan NA, Pilote L. *Blood Pressure and Vascular Health Around Menopause (BRAVE) Study: Pilot Results (Abstract)*. Can J Cardiol 2016; 32 (4): S271
21. **Coutinho T**, Yam Y, Dwivedi G, Inacio J, Chow BJ. *Sex Differences in the Associations of Aortic Compliance with Coronary Artery Plaque and Calcification in Subjects without Known Coronary Artery Disease (Abstract)*. Journal of the American College of Cardiology 2016.
22. Cheung KA, Boodhwani M, Beauchesne L, Chan KL, Dick A, **Coutinho T**. *Sex Differences in Growth Rates of Thoracic Aortic Aneurysms (Abstract)*. Circulation 2015; 132: A15770
23. **Coutinho T**, Srivaratharajah K, Beanlands RS, deKemp R, Mielniczuk L. *Associations of Hemodynamic Load with Impaired Myocardial Flow Reserve: Role of Sex and Arterial Load (Abstract)*. Can J Cardiol 2015; 31 (10): S279
24. **Coutinho T**, Mielniczuk L, Srivaratharajah K, deKemp R, Beanlands R. *Coronary Artery Microvascular Dysfunction: Role of Sex and Arterial Load (Abstract)*. Can J Cardiol 2015; 31 (10): S279
25. **Coutinho T**, Srivaratharajah K, Beanlands RS, deKemp R, Mielniczuk L. *Associations of Hemodynamic Load with Impaired Myocardial Flow Reserve: Role of Sex and Hypertension (Abstract)*. Eur Heart J 2015; 36 (suppl 1): 854
26. **Coutinho T**, Chow BJ. *Sex Differences in the Associations of Aortic Compliance with Coronary Artery Plaque and Calcification in Subjects without Known Coronary Artery Disease (Abstract)* J Am Coll Cardiol 2015, Vol. 65, No. 10S
27. **Coutinho T**, Kullo IJ. *Effects of Long-Term Weight Gain on Endothelial Function (Abstract)*. Can J Cardiol. 2014; 30 (10 Suppl) P 112-113.

28. Joshi A, Dwivedi G, **Coutinho T**, Chan KL, Beauchesne L, Mielniczuk L, Ruddy T, Burwash I. *A Simplified Approach to Measuring LVEF Using Regional Wall Motion*. (Abstract) Can J Cardiol. 2014; 30 (10 Suppl) P 215.
29. Sharma S, Batsis J, Somers V, **Coutinho T**, Sochor O, Kragelund C, Kanaya A, Zeller M Lopez-Jimenez F. *Normal-Weight Central Obesity is Associated with the Highest Mortality Risk in Older Adults with Coronary Artery Disease*. (Abstract) Journal of the American College of Cardiology April 2014 63(12):A1281
30. **Coutinho T**, Kullo IJ, Pellikka PA. *Sex Differences in the Associations of Arterial Stiffness with Left Ventricular Hypertrophy and Remodeling*. (Abstract) Can J Cardiol. 2013; 29 (10 Suppl):151 .
31. **Coutinho T**, Ye Z, Pellikka PA, Borlaug BA, Khan MB, Villarraga H, Kullo IJ. *Proximal Aortic Stiffness and Pulsatile Hemodynamic Load are Associated with Impaired Left Ventricular Longitudinal Deformation in Patients with Preserved Ejection Fraction*. (Abstract) Circulation. 2012;126:A14588
32. **Coutinho T**, Pellikka PA, Kullo IJ. *Sex Differences in the Associations of Arterial Stiffness with Left Ventricular Hypertrophy and Remodeling*. (Abstract) Eur Heart J. 2013; 34 (Suppl 1), P4140.
33. **Coutinho T**, Kullo IJ. *Arterial Stiffness is Associated with Increase in Blood Pressure and Hypertension Severity over Time in Treated Hypertensives*. (Abstract) J Am Coll Cardiol. 2013;61(10\_S)
34. **Coutinho T**, Kullo IJ. *Arterial Stiffness is Associated with Increase in Blood Pressure and Hypertension Severity over Time in Treated Hypertensives*. (Abstract) Can J Cardiol. 2013; 29 (10 Suppl):256.
35. **Coutinho T**, Bailey KR, Kullo IJ. *Biomarkers of Progression of Arterial Stiffness*. (Abstract) Circulation. 2012;126:A15605
36. Sahakyan K, Somers VK, Singh P, **Coutinho T**, Jensen MD, Roger VL, Sochor O, Lopez-Jimenez F. *Normal-weight central obesity and cardiovascular mortality risk in the US population*. (Abstract) Eur Heart J. 2012; 33: 494
37. **Coutinho T**, Pellikka PA, Kullo IJ. *Sex Differences in Arterial Stiffness and Arterial-Ventricular Interactions*. (Abstract) J Am Coll Cardiol. 2012; 59: E2140.

38. Goel K, **Coutinho T**, de Sa DC, Kragelund C, Kanaya A, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R, Roger V, Somers V, Lopez-Jimenez F. *Development and Validation of an Obesity Risk Score to Predict Mortality in Patients with Coronary Artery Disease*. (Abstract) J Am Coll Cardiol. 2012; 59:E1677.
39. **Coutinho T**, Goel K, Correa de Sa D, Kragelund C, Kanaya A, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R, Roger V, Somers V, Lopez-Jimenez F. *Coronary Artery Disease Patients with Normal Body Mass Index but Central Obesity Have the Worst Long-Term Survival when Compared to Other Patterns of Adiposity*. (Abstract) Circulation 2011; 124: A548
40. **Coutinho T**, Turner ST, Mosley TH, Kullo IJ. *Associations of 47 Circulating Biomarkers in Etiologic Pathways of Arteriosclerosis with Pulse Pressure in African-Americans and Non-Hispanic Whites*. (Abstract) J Am Coll Cardiol, 2011; 57: E1602.
41. **Coutinho T**, Turner ST, Kullo IJ. *Aortic Pulse Wave Velocity is Associated with Measures of Sub-Clinical Disease in Several Arterial Beds* (Abstract). Circulation. 2010;122:A12622
42. **Coutinho TDA**, Turner ST, Peyser PA, Bielak LF, Sheedy PF, Kullo IJ. *Associations of serum uric acid with markers of inflammation, metabolic syndrome, and sub-clinical coronary atherosclerosis*. (Abstract) J Am Coll Cardiol 2007;49 (9 Suppl A):317A.
43. **Coutinho T**, Turner ST, Kullo IJ. *Serum uric acid is inversely associated with reactive hyperemia in hypertensive individuals*. (Abstract). Vasc Med 2006;11:S1-S17
44. **Coutinho T**, Bardia A, Heit J. *Deep venous thrombosis (DVT) secondary to May-Turner Syndrome (MTS): A 12-Year Mayo Clinic Experience*. (Abstract). Vasc Med 2006;11:S1-S17
45. **Coutinho TA**, Souto MID, Cesar AC, Papi JA. *Use of thalidomide in patients with Lupus Erythematosus with refractory skin lesions*. (Abstract). Brazilian Journal of Rheumatology 2004;44: 90.

#### *Non-peer-reviewed articles*

1. **Coutinho T**, Kullo IJ. *Uric Acid and Cardiovascular Disease: Risk Factor or Risk Marker?* Expert commentary published on the International Atherosclerosis Society's website. [www.athero.org](http://www.athero.org)

## Online Chapters

1. **Coutinho T**, Abdelmoneim Mohammed S, Mulvagh S. *Applications of Contrast in Echocardiography*. Chapter for the 7th American College of Cardiology's Echocardiography Self Assessment Program (EchoSAP 7) 2014.

## PRESENTATIONS

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### International Oral Presentations

1. **Coutinho T**. *Women's Heart Health*. Symposium marking the 50th anniversary of the postgraduate research program, Universidade Federal do Rio de Janeiro, Brazil. December 4, 2020
2. **Coutinho T**. *The aorta is not just a pipe: assessing aortic function to improve risk assessment in patients with thoracic aortic aneurysms*. Mayo Clinic Arizona Cardiovascular Grand Rounds. October 1, 2020
3. **Coutinho T**. *Echo in Women - The Aorta*. American Society of Echocardiography Scientific Sessions 2020 Virtual Experience. August 10, 2020.
4. **Coutinho T**. *Sex differences in arterial ageing - implications for sex differences in cardiovascular diseases*. North American Artery Annual Meeting. May 17, 2019. Iowa City, IA.
5. **Coutinho T**. *Spontaneous Coronary Artery Dissection*. Presentation to Delegation from the Women's Heart Health Program at the National University Heart Center in Singapore. September 24, 2018. Ottawa, ON.
6. **Coutinho T**. *Inflammation and Vascular Function*. North American Artery Annual Meeting. June 16, 2018. Chicago, IL.
7. **Coutinho T**, Feldman R. *Bench-Side Debate: Women's Vasculature Difference: A Matter of Estrogen or Biomechanics?* International Symposium on Atherosclerosis. June 10, 2018. Toronto, ON.
8. **Coutinho T**. *Prevention of cardiovascular events and death in women: role of hypertensive disorders of pregnancy, and opportunities for risk stratification and modification*. First NEXT Scientific Session at Hospital Pasteur. April 2017. Rio de Janeiro, Brazil.

9. **Coutinho T.** *Sex Differences in Arterial Stiffness and Isolated Systolic Hypertension*. Invited presentation at the American Heart Association's Annual Scientific Sessions. November 10, 2015. Orlando, FL, USA.
10. **Coutinho T.** *Case-based Presentation: Abdominal Aortic Aneurysms in Women*. Invited presentation at "Heart Disease in Women: A New Era of Understanding, Recognition, Prevention, Diagnosis and Treatment". October 10, 2015. Mayo Clinic, Rochester, MN, USA.
11. **Coutinho T.** *Research Roundtable: Emerging Areas for Cardiovascular Research in Women*. Invited presentation at "Heart Disease in Women: A New Era of Understanding, Recognition, Prevention, Diagnosis and Treatment". October 10, 2015. Mayo Clinic, Rochester, MN, USA.
12. **Coutinho T.** *Associations of hemodynamic load with impaired myocardial flow reserve: role of sex and hypertension*. European Society of Cardiology Annual Scientific Sessions. September 1, 2015. London, UK.
13. **Coutinho T.** *Role of Arterial Stiffness in Cardiovascular Diseases*. Invited presentation at the University of Glasgow's BHF Centre of Excellence in Vascular Research. June 22, 2015. Glasgow, UK.
14. **Coutinho T.** *The Aorta Beyond a Simple Conduit: A Functional Organ. Role of Arterial Stiffness in Cardiovascular Diseases*. Keynote presentation at the First Scientific Sessions of the Hospital Memorial Research Center. October 25, 2014. Rio de Janeiro, Brazil.
15. **Coutinho T.**, Goessl M, Maalouf J, Rihal C, Pislaru S. *A Tale of Two Valves*. American College of Cardiology's Annual Scientific Sessions. March 3, 2013. San Francisco, CA
16. **Coutinho T.** *Arterial Stiffness, its Clinical Implications and Impact on Cardiac Function*. Invited presentation at the III Annual Symposium of Cardiovascular Health of the Federal University of Rio de Janeiro. October 27, 2012. Rio de Janeiro, Brazil.
17. **Coutinho T.** *Cases in Board Style by Advanced Echocardiography Fellows*. Invited presentation at the Mayo Clinic Cardiovascular Board Review – Echo Focus. September 29, 2012. Rochester, MN.
18. **Coutinho T.**, Borlaug BA, Pellikka PA, Kullo IJ. *Sex Differences in Arterial Stiffness and Arterial-Ventricular Interactions*. American College of Cardiology's Scientific Sessions. March 25, 2012. Chicago, IL **\*\* Young Investigator Award Finalist\*\***

19. **Coutinho T.** *Round Table: The Heart and Systemic Diseases. Utility of Cardiovascular Imaging Methods in Inflammatory and Rheumatological Diseases.* Invited presentation at the XVII World Congress of Echocardiography and Allied Techniques. March 9, 2012. Sao Paulo, Brazil.
20. **Coutinho T.** *Round Table: Cardiomyopathies. What's New in the Diagnosis and Treatment of Amyloidosis?* Invited presentation at the XVII World Congress of Echocardiography and Allied Techniques. March 9, 2012. Sao Paulo, Brazil.
21. **Coutinho T,** Goel, K, Correa de Sa D, Kragelund C; Kanaya A, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R; Roger V, Somers V, Lopez-Jimenez F. *Coronary Artery Disease Patients with Normal Body Mass Index but Central Obesity Have the Worst Long-Term Survival When Compared to Other Patterns of Adiposity.* American Heart Association's Scientific Sessions. November 13, 2011. Orlando, FL. **\*\* Young Investigator Award Winner\*\***
22. **Coutinho T,** Turner ST, Bailey KR, Kullo IJ. *Aortic Pulse Wave Velocity is Associated with Measures of Sub-clinical Disease in Several Arterial Beds.* American Heart Association's Scientific Sessions. November 15, 2010. Chicago, IL.

#### *National Oral Presentations*

1. **Coutinho T.** *#HERHEARTMATTERS2020. Women's Cardiovascular Health: Identifying and Managing Sex-specific Risk and Disease.* Canadian Cardiovascular Congress. October 23, 2020
2. **Coutinho T.** *Women's Heart Health: A Journey Across the Lifespan.* The Ismaili Canada Women's Health Series. September 29, 2020
3. **Coutinho T.** *Peripheral arterial disease: the role of rehabilitation in helping patients walk longer, get healthier and improve quality of life.* HeartWise webinar presented to international audience of healthcare providers and patients. September 17, 2020.
4. **Coutinho T.** *Spontaneous Coronary Artery Dissection (SCAD) and the COVID-19 Pandemic.* HeartWise webinar presented to international audience of healthcare providers and patients. June 11, 2020.
5. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* The Canadian Association of Cardiovascular Prevention and Rehabilitation (CACPR) 2020 Virtual Annual Meeting and Symposium. June 5, 2020.



6. **Coutinho T.** *The New “Virtual Reality”: Practical Approaches to the Delivery of Cardiac Rehabilitation Care during the COVID-19 Crisis.* Canadian Cardiovascular Society webinar. May 27, 2020.
7. **Coutinho T.** *COVID-19 and the Cardiovascular System.* HeartWise webinar presented to international audience of healthcare providers. May 21, 2020.
8. **Coutinho T.** *Women's Cardiovascular Health: What Should We Be Thinking About.* Annual Cardiovascular Conference in the Rockies (ACC Rockies). March 12, 2019. Banff, AB.
9. **Coutinho T.** *Hypertension in Women: Implications for Cardiovascular Risk Across the Lifespan.* Ovation Rounds (Ottawa-Vancouver Cardiology Rounds Exchange), University of British Columbia. November 1, 2018. Vancouver, BC.
10. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment: What All of Us Should Know.* Presentation to Endocrinologists at Jewish General Hospital. May 24, 2018. Montreal, QC.
11. **Coutinho T.** *Cardiac Rehabilitation at the University of Ottawa Heart Institute: Diverse Offerings for a Diverse Population.* Cardiology Regional Grand Rounds, McMaster University. May 15, 2018. Hamilton, ON.
12. **Coutinho T.** *Hypertension in Women: Implications for Cardiovascular Risk Across the Lifespan.* Cardiovascular Prevention Rounds, McMaster University. May 15, 2018. Hamilton, ON.
13. **Coutinho T.** *Women's Heart Health.* Heart and Stroke Cardiovascular Conference. May 10, 2018. Charlottetown, PE.
14. **Coutinho T.** *Hypertension.* Canadian Women's Heart Health Summit. April 6, 2018. Ottawa, ON
15. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment.* Eastern Ontario Cardiovascular Summit. June 17, 2017. Tremblant, QC.
16. **Coutinho T.**, Mielniczuk L, Srivaratharajah K, deKemp R, Beanlands RS. *Coronary Artery Microvascular Dysfunction: Role of Sex and Arterial Load.* Canadian Cardiovascular Congress. October 25, 2015. Toronto, ON. \*\* YOUNG INVESTIGATOR AWARD WINNER \*\*
17. **Coutinho T.**, Kullo IJ. *Sex Differences in the Associations of Measures of Arterial Stiffness and Load with Left Ventricular Hypertrophy and Remodeling.* Canadian Cardiovascular Congress. October 2013. Montreal, QC

18. **Coutinho T.** Kullo IJ. *Arterial Stiffness is Associated with Increase in Blood Pressure and Hypertension Severity Over Time in Treated Hypertensives.* Canadian Cardiovascular Congress. October 2013. Montreal, QC

#### *Local Oral Presentations*

1. **Coutinho T.** *How's It Going Dr. Mom?* Federation of Medical Women of Canada Panel. November 2, 2020. Ottawa, ON
2. **Coutinho T.** *Long-term Cardiac Health Post Preeclampsia & other Pregnancy Complications.* The Ottawa Hospital Maternal-Fetal Medicine Rounds. June 12, 2020. Ottawa, ON
3. **Coutinho T.** *Unique Aspects of Cardiovascular Health in Women.* University of Ottawa Faculty of Medicine Equity and Diversity Seminar. May 28, 2020. Ottawa, ON
4. **Coutinho T.** *Hypertensive Disorders of Pregnancy, Gestational Diabetes and Future Cardiovascular Risk.* The Ottawa Hospital Division of Maternal and Newborn Care. May 28, 2019. Ottawa, ON
5. **Coutinho T.** *Is the aorta just a pipe? The role of aortic health and function on Thoracic Aortic Aneurysms.* Peter Munk Cardiac Centre, Toronto General Hospital. May 23, 2019. Toronto, ON
6. **Coutinho T.** *Peripheral Arterial Disease Walking Rehabilitation: The UOHI Experience.* CorHealth Ontario Vascular Leadership Council Meeting. April 30, 2019. Toronto, ON
7. **Coutinho T.** *Women's Heart Health.* Family Medicine Group from Richmond Medical Clinic. April 26, 2019. Richmond, ON
8. **Coutinho T.** *Cardiovascular Risk Assessment: Special Considerations in Women.* Women and Heart Disease Regional Symposium. April 8, 2019. Ottawa, ON
9. **Coutinho T.** *Spontaneous Coronary Artery Dissection (SCAD).* Women and Heart Disease Regional Symposium. April 8, 2019. Ottawa, ON
10. **Coutinho T.** *Women and Heart Disease: Seeing through the Fog.* Wear Red Canada Rounds, University of Ottawa Heart Institute. February 13, 2019. Ottawa, ON
11. **Coutinho T.** *Peripheral Artery Disease Diagnosis, Treatment and Rehabilitation: What All of Us Should Know.* Cardiac Rehab Network of Ontario Grand Rounds. January 24, 2019. Ottawa, ON

12. **Coutinho T.** *Improving Risk Stratification for Thoracic Aortic Aneurysms: Aortic Function, Hemodynamics and Beyond.* Invited presentation at the University of Ottawa Heart Institute's Research Rounds. January 21, 2019. Ottawa, ON
13. **Coutinho T.** *Hypertensive Disorders of Pregnancy and Future Risk of Cardiovascular Disease.* Federation of Medical Women of Canada: Gender Matters – Cardiovascular Risk in Women and How to Manage. January 10, 2019. Ottawa, ON
14. **Coutinho T.** *Peripheral Artery Disease: What All of Us Need to Know.* Diabetes Advisory Committee of the Champlain Local Health Integration Network (LHIN). December 3, 2018. Ottawa, ON
15. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment: What All of Us Should Know.* Rideau Family Health Team. October 4, 2018. Ottawa, ON
16. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* Women's Cardiovascular Health Lecture Series, Cardiology Rounds, University of Ottawa Heart Institute. September 19, 2018. Ottawa, ON
17. **Coutinho T.** *Cardiovascular Risk after Hypertensive Disorders of Pregnancy.* Ottawa Heart Conference on Precision Medicine in Cardiovascular Disease. April 26, 2018. Ottawa, ON
18. **Coutinho T.** *Hypertensive Disorders of Pregnancy and Future Cardiovascular Risk.* Cardiology Rounds, University of Ottawa Heart Institute. April 25, 2018. Ottawa, ON
19. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* Regional Coronary Artery Disease and Heart Failure Symposium. April 12, 2018. Ottawa, ON
20. **Coutinho T.** *Coronary Artery Disease in Women.* Regional Coronary Artery Disease and Heart Failure Symposium. April 12, 2018. Ottawa, ON
21. **Coutinho T.** *Peripheral Artery Disease: Benefits of a Walking Rehabilitation Program.* Heart Wise Exercise Workshop. April 4, 2018. Ottawa, ON
22. **Coutinho T.** *Hypertensive Disorders of Pregnancy, Gestational Diabetes, and Future Cardiovascular Risk.* The Ottawa Hospital Endocrinology Journal Club. February 27, 2018. Ottawa, ON
23. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment: What All of Us Should Know.* The Ottawa Hospital Endocrinology Journal Club. February 27, 2018. Ottawa, ON

24. **Coutinho T.** *Sex and Gender Considerations in Cardiovascular Research.* Clinical Research Staff Workshop, University of Ottawa Heart Institute. February 14, 2018. Ottawa, ON
25. **Coutinho T.** *Peripheral Arterial Disease: What All of Us Need to Know.* Cardiology Rounds, University of Ottawa Heart Institute. January 24, 2018. Ottawa, ON
26. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment: What All of Us Should Know.* Presentation to Ottawa Cardiologists and Internists. December 13, 2017. Ottawa, ON.
27. **Coutinho T.** *Hypertensive Disorders of Pregnancy and Future Cardiovascular Risk.* Department of Obstetrics and Gynecology Grand Rounds, The Ottawa Hospital. November 29, 2017. Ottawa, ON.
28. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* Cardiac Rehabilitation Rounds, University of Ottawa Heart Institute. September 28, 2017. Ottawa, ON.
29. **Coutinho T.** *Medical Management is Still the Gold Standard for Uncomplicated Dissections?* National Capital Vascular Symposium: The Aorta. May 6, 2017. Ottawa, ON.
30. **Coutinho T.** *Debate: Uncomplicated TBAD need early TVAR for optimal long-term outcome: Against.* Invited presentation at the National Capital Vascular Symposium: The Aorta. May 9, 2015. Ottawa, ON.
31. **Coutinho T.** *Advanced Imaging Technologies: The Needs of the Clinician.* Invited presentation at the University of Ottawa Heart Institute's BioMed Partnering Forum. May 1, 2015. Ottawa, ON.
32. **Coutinho T.** *Heart Failure with Preserved Ejection Fraction: An arterial disease? Role of the arteries in the mechanisms predisposing to HFpEF.* Invited presentation at the 3rd Annual Ottawa Heart Research Conference – Advances in Heart Failure Management: The Science and the Art. April 24, 2015. Ottawa, ON
33. **Coutinho T.** *The Aorta and its Role in Cardiovascular Diseases.* Invited presentation at the University of Ottawa Heart Institute's Research Rounds. March 23, 2015. Ottawa, ON
34. **Coutinho T.** *Lipid management: Is one drug enough? What do you do about statins and other agents? Should we use Canadian or US guidelines?* Invited presentation at the University of Ottawa Heart Institute's 7th Annual Update in Cardiology. February 13, 2015. Ottawa, ON

35. **Coutinho T.** *The Great Debate #1: Conservative treatment should always be the first option in the treatment of intermittent claudication.* Invited presentation at the National Capital Vascular Symposium: Management of Peripheral Arterial Diseases. May 10, 2014. Ottawa, ON.
36. **Coutinho T.** *Arterial Stiffness and its Role in Cardiac Function.* Invited presentation at the 16th Annual Toronto-Ottawa Heart Summit. June 2013. Toronto, ON
37. **Coutinho T.** *The Aorta Beyond a Simple Conduit: Arterial Stiffness, Hypertension and Cardiac Dysfunction.* Invited Keynote presentation at Cardiovascular Grand Rounds at the University of Ottawa Heart Institute. February 26, 2013. Ottawa, ON

#### *Oral Presentations by Trainees*

1. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Nagpal S, Chan K, Wells G, **Coutinho T.** *Estimated Aortic Pulse Wave Velocity Predicts Future Thoracic Aortic Aneurysm Expansion: Results from a Prospective Cohort Study with Sex-Specific Analyses.* Canadian Cardiovascular Congress. October 24, 2020. **\*\* Winner of Canadian Cardiovascular Society Trainee Research Award in Clinical Science \*\***
2. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells G, **Coutinho T.** *Role of estimated aortic pulse wave velocity in the prediction of future thoracic aortic aneurysm expansion.* European Society of Cardiology Congress 2020.
3. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells G, **Coutinho T.** *Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Expansion.* 15<sup>th</sup> Annual Northwestern Cardiovascular Young Investigators' Forum. November 1, 2019. Chicago, IL.
4. Rooprai J, Boodhwani M, Beauchesne L, Chan K-L, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Apparently Normotensive Patients with Thoracic Aortic Aneurysms: Prevalence and Association with Aneurysm Expansion.* American Heart Association's Scientific Sessions, November 16-18, 2019, Philadelphia, PA.
5. Santi N, Boodhwani M, Beauchesne L, Chan K-L, Dennie C, Nagpal S, Wells G, **Coutinho T.** *Arterial Age and Early Vascular Aging Predict Future Thoracic Aortic Aneurysm Expansion.* American Heart Association's Scientific Sessions, November 16-18, 2019, Philadelphia, PA.
6. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells G, **Coutinho T.** *Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Growth.* Canadian Cardiovascular Congress. October 2019. Montreal, QC

7. Zhu T, Boodhwani M, Beauchesne L, Chan K, Dennie C, Wells G, **Coutinho T.** *Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.* European Society of Cardiology Congress. September 2019. Paris, France
8. Santi ND, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Arterial Age and Early Vascular Aging, but not Chronological Age, are Associated with Faster Thoracic Aortic Aneurysm Growth.* EuroPrevent Congress in the **Young Investigator Award Competition**. April 11-13, 2019, Lisbon, Portugal.
9. Zhu T, Boodhwani M, Beauchesne L, Chan K, Dennie C, Wells G, **Coutinho T.** *Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.* Ottawa Cardiovascular Research Day. May 13, 2019. Ottawa, ON **\*\* Winner of Best Clinical Science Oral Presentation Award\*\***

#### Posters

1. Mian O, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Wells G, **Coutinho T.** *Single vs. Serial Assessment of Arterial Hemodynamics to Predict Thoracic Aortic Aneurysm Expansion.* American College of Cardiology's 69th Annual Scientific Session, March 28 - 30, 2020.
2. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan KL, Wells G, **Coutinho T.** *Sex-specific role of estimated aortic pulse wave velocity in the prediction of future thoracic aortic aneurysm expansion.* Canadian Women's Heart Health Summit. April 2-3, 2020. Ottawa ON
3. Rooprai J, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Apparently Normotensive Patients With Thoracic Aortic Aneurysms: Prevalence and Association With Aneurysm Expansion.* American Heart Association's Annual Scientific Sessions. November, 2019 – Philadelphia, PA
4. Santi N, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Arterial Age and Early Vascular Aging Predict Future Thoracic Aortic Aneurysm Expansion.* Circulation. 2019;140:A12594
5. Zhu T, Boodhwani M, Beauchesne L, Chan K, Dennie C, Wells G, **Coutinho T.** *Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.* European Society of Cardiology (ESC) Congress. August 31-September 4, 2019. Paris, France
6. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells G, **Coutinho T.** *Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic*

*Aortic Aneurysm Growth: Results from a Prospective Cohort Study.* Ottawa Cardiovascular Research Day. May 13, 2019. Ottawa ON

7. Rooprai J, Boodhwani M, Beauchesne L, Chan K, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Patients with Thoracic Aortic Aneurysms without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size.* Ottawa Cardiovascular Research Day. May 13, 2019. Ottawa ON
8. Zhu T, Boodhwani M, Beauchesne L, Chan K, Dennie C, Wells G, **Coutinho T.** *Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.* 7th International Ottawa Heart Conference. April 12-13, 2019. Ottawa ON.
9. Boczar KE, Boodhwani M, Beauchesne L, Dennie C, Chan K, Wells G, **Coutinho T.** *Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Growth: Results from a Prospective Cohort Study.* 7th International Ottawa Heart Conference. April 12-13, 2019. Ottawa ON.
10. Rooprai J, Boodhwani M, Beauchesne L, Chan K, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Patients with Thoracic Aortic Aneurysms without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size.* 7th International Ottawa Heart Conference. April 12-13, 2019. Ottawa ON.
11. Rooprai J, Boodhwani M, Beauchesne L, Chan K, Dennie C, Nagpal S, **Coutinho T.** *Central Hypertension in Patients with Thoracic Aortic Aneurysms without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size.* American College of Cardiology's 68<sup>th</sup> Annual Scientific Session. March 16-18, 2019. New Orleans, LA, USA.
12. Santi N, Boodhwani M, Beauchesne L, Chan KL, Dennie C, Nagpal S, **Coutinho T.** *Arterial Age and Early Vascular Aging, but not Chronologic Age, are Associated With Faster Thoracic Aortic Aneurysm Growth.* American College of Cardiology's 68<sup>th</sup> Annual Scientific Session. March 16-18, 2019. New Orleans, LA, USA.
13. Jue J, Boodhwani M, Beauchesne M, Dennie C, Chan KL, **Coutinho T.** *Sex Differences in the Associations of Arterial Stiffness and Pulsatile Hemodynamics with Thoracic Aortic Aneurysm Size.* Ottawa Cardiovascular Research Day. April 30, 2018. Ottawa ON.
14. Hindieh W, **Coutinho T.** *Associations of Arterial Hemodynamic Measures with Accelerated Thoracic Aortic Aneurysm Growth.* Ottawa Cardiovascular Research Day. April 30, 2018. Ottawa ON.

15. Lamai O, Balogun M, Daniel F, **Coutinho T.** *Treadmill Exercise Responses in Newly Diagnosed Hypertensive African Women.* Ottawa Cardiovascular Research Day. April 30, 2018. Ottawa ON.
16. Jue J, Boodhwani M, Beauchesne M, Dennie C, Chan KL, **Coutinho T.** *Sex Differences in the Associations of Arterial Stiffness and Pulsatile Hemodynamics with Thoracic Aortic Aneurysm Size.* The 6th International Ottawa Heart Conference: Precision Medicine in Cardiovascular Disease. April 26-27, 2018. Ottawa ON.
17. Lamai O, Balogun M, Daniel F, **Coutinho T.** *Treadmill Exercise Responses in Newly Diagnosed Hypertensive African Women.* The 6th International Ottawa Heart Conference: Precision Medicine in Cardiovascular Disease. April 26-27, 2018. Ottawa ON.
18. Jue J, Boodhwani M, Beauchesne M, Dennie C, Chan KL, **Coutinho T.** *Sex Differences in the Associations of Arterial Stiffness and Pulsatile Hemodynamics with Thoracic Aortic Aneurysm Size.* Canadian Women's Heart Health Summit. April 5-6, 2018. Ottawa ON.
19. Lamai O, Balogun M, Daniel F, **Coutinho T.** *Treadmill Exercise Responses in Newly Diagnosed Hypertensive African Women.* Canadian Women's Heart Health Summit. April 5-6, 2018. Ottawa
20. **Coutinho T,** Cheung K, Boodhwani M, Beauchesne L, Dennie C, Dick A, Nagpal S, Chan KL. *Sex Differences in Thoracic Aortic Aneurysm Growth: Role of Aortic Stiffness.* American College of Cardiology's Annual Scientific Sessions. March 17, 2017. Washington, DC, USA.
21. Cheung KA, Boodhwani M, Beauchesne L, Chan KL, Dick A, **Coutinho T.** *Sex Differences in Growth Rates of Thoracic Aortic Aneurysms.* American Heart Association's Annual Scientific Sessions. November 8, 2015. Orlando, FL, USA.
22. **Coutinho T,** Chow B. *Sex Differences in the Associations of Aortic Compliance with Coronary Artery Plaque and Calcification in Subjects Without Known Coronary Artery Disease.* American College of Cardiology 64th Annual Scientific Sessions. March 14, 2015. San Diego, CA.
23. **Coutinho T,** Chow B. *Sex Differences in the Associations of Aortic Compliance with Coronary Artery Plaque and Calcification in Subjects Without Known Coronary Artery Disease.* Canadian Institutes of Health Research 13th Annual New Principal Investigator Meeting. November 21, 2014. Mont Gabriel, QC.



24. **Coutinho T**, Kullo IJ. *Weight Gain is Associated with Impaired Microvascular Endothelial Function*. Moderated Poster Session. Canadian Cardiovascular Congress. October, 2014. Vancouver, B.C.
25. Joshi A, Dwivedi G, **Coutinho T**, Chan KL, Beauchesne L, Mielniczuk L, Ruddy T, Burwash I. *A Simplified Approach to Measuring LVEF Using Regional Wall Motion*. Canadian Cardiovascular Congress. October, 2014. Vancouver, B.C.
26. **Coutinho T**, Pellikka PA, Kullo IJ. *Sex differences in the associations of arterial hemodynamic load with left ventricular hypertrophy and remodeling*. European Society of Cardiology's Annual Scientific Sessions. September, 2013. Amsterdam, Netherlands.
27. **Coutinho T**, Kullo IJ. *Arterial Stiffness is Associated with Increase in Blood Pressure and Hypertension Severity over Time in Treated Hypertensives*. American College of Cardiology's Annual Scientific Sessions. March 9th, 2013. San Francisco, CA.
28. **Coutinho T**, Ye Z, Pellikka PA, Borlaug BA, Khan MB, Villarraga HR, Kullo IJ. *Proximal Aortic Stiffness and Pulsatile Hemodynamic Load Are Associated with Impaired Left Ventricular Longitudinal Deformation in Patients with Preserved Ejection Fraction*. American Heart Association's Annual Scientific Sessions. November 5, 2012. Los Angeles, CA.
29. **Coutinho T**, Bailey KR, Kullo IJ. *Biomarkers Associated with Progression of Arterial Stiffness*. American Heart Association's Annual Scientific Sessions. November 5, 2012. Los Angeles, CA.
30. **Coutinho T**, Turner ST, Mosley TH, Kullo IJ. *Associations of 47 Candidate Biomarkers in Etiologic Pathways of Arteriosclerosis with Pulse Pressure in African Americans and Non-Hispanic Whites*. American College of Cardiology's Annual Scientific Sessions. April 2011. New Orleans, LA.
31. **Coutinho T**, Goel K, Correa de Sa D, Kragelund C, Kanaya A, Zeller M, Park JS, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Lee SH, Kim YJ, Thomas R, Roger V, Somers V, Lopez-Jimenez F. *Central Obesity and Survival in Patients with Coronary Artery Disease: A Systematic Review of the Literature and Meta-analysis Utilizing Individual Subject Data*. American Heart Association 50th Cardiovascular Disease Epidemiology and Prevention Conference. March 2010. San Francisco, CA.

32. Goel K, **Coutinho T**, Correa de Sa D, Singh S, Kragelund C, Kanaya A, Zeller M, Kober L, Torp-Pedersen C, Cottin Y, Lorgis L, Thomas R, Somers V, Lopez-Jimenez F. *Association Between Normal-Weight Central Obesity and Mortality in Coronary Artery Disease Patients: Analysis of Individual Patient Data from 4 Observational Cohorts*. American Heart Association 50th Cardiovascular Disease Epidemiology and Prevention. March 2010. San Francisco, CA.
33. **Coutinho TD**, Prakash U. *Concurrent Adult Still's Disease and Sarcoidosis*. American College of Physicians' National Meeting. May 2008. Washington, D.C.
34. **Coutinho TD**, Prakash U. *Concurrent Adult Still's Disease and Sarcoidosis*. American College of Physicians' Regional Chapter Meeting. November 2007. Minneapolis, MN.
35. **Coutinho TD**, Turner ST, Peyser PA, Bielak LF, Sheedy II PF, Kullo IJ. *Associations of Serum Uric Acid with Markers of Inflammation, Metabolic Syndrome, and Sub-clinical Coronary Atherosclerosis*. American College of Cardiology's 56th Annual Scientific Sessions. March 2007. New Orleans, LA.
36. **Coutinho TD**, Tsigrelis C, Baddour LM. *Old Drugs For a New Bug. Case Vignette*. American College of Physician's Regional Chapter Meeting. November 2006. Minneapolis, MN.
37. **Coutinho TD**, Turner S, Kullo IJ. *Serum Uric Acid Is Inversely Associated with Reactive Hyperemia In Hypertensive Individuals*. Society for Vascular Medicine and Biology's 17th Annual Scientific Sessions. June 2006. Philadelphia, PA.
38. **Coutinho TD**, Bardia A, Heit JA. *Deep venous thrombosis (DVT) secondary to May-Turner Syndrome (MTS): A 12-Year Mayo Clinic Experience*. Society for Vascular Medicine and Biology's 17th Annual Scientific Sessions. June 2006. Philadelphia, PA.
39. **Coutinho TD**, Souto MID, Cesar AC, Papi JA. *Use of thalidomide in patients with Lupus Erythematosus with refractory skin lesions*. XXV Brazilian Congress of Rheumatology. October 2004. Rio de Janeiro, Brazil.
40. **Coutinho TD**, Souto MID, Cesar AC, Papi JA. *Use of thalidomide in patients with Lupus Erythematosus with refractory skin lesions*. XXV Young Investigator Meeting of the Federal University of Rio de Janeiro. November 2003. Rio de Janeiro, Brazil.
41. **Coutinho TD**, Perez AM, Calani FC, Cosenza RCM, Vaz CF, Oliveira FMM, Azevedo CES, Araujo PIC. *Analysis of the indications for blood transfusion in children and teenagers with Sickle Cell Disease during the past 20 years*. Pediatric Meeting for Medical Students. July 2003. Rio de Janeiro, Brazil.

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## EDUCATIONAL ACTIVITIES

### Conferences

- 3<sup>rd</sup> Canadian Women's Heart Health Summit. February 10-13, 2021. Ottawa, ON  
**Role:** Co-Chair
- 2<sup>nd</sup> Canadian Women's Heart Health Summit. April 5-6, 2018. Ottawa, ON  
**Role:** Co-Chair
- 1<sup>st</sup> Canadian Women's Heart Health Summit. April 14-16, 2016. Ottawa, ON  
**Role:** Co-Chair

### Knowledge Translation

- Developed the "*Sex- and gender- based research toolkit for University of Ottawa Heart Institute Researchers*", a toolkit to help researchers and trainees when considering sex/gender as variables in their studies, February 2018.

### Community Education

- *The Truth about Women's Heart Disease*. Speech at the University of Ottawa Heart Institute Patient Alumni Association Meet the Expert Conference. February 25, 2020. Ottawa, ON
- *Is the aorta just a pipe? The case for studying aortic health and function in people with Thoracic Aortic Aneurysms*. Presentation to the Aortic Diseases Support Group, University of Ottawa Heart Institute, May 21, 2019
- *Women's Heart Health*. Presentation at Lunch for Ottawa Moms. December 4, 2018
- *Heart Disease 101*. Presentation to Peer Leaders of Women@Heart Program. November 26, 2018. Ottawa, ON
- *Women's Heart Health*. Presentation to the University of Ottawa Heart Institute Auxiliary Annual General Meeting. September 16, 2018
- *Women, Wine & Wisdom: Being Brave*. Panel discussion of Ottawa Women Leaders, hosted by the Ottawa Chamber of Commerce. June 27, 2018
- *Women's Heart Health*. Presentation at the University of Ottawa Mini-Medical School. May 17, 2018
- *The Canadian Women's Heart Health Centre: Changing the Landscape for Women With or at Risk for Cardiovascular Diseases*. Presentation to the Ottawa Heart Support Group. February 20, 2018. Ottawa, ON.
- *Women's Heart Health*. Speech at the University of Ottawa Red Dress Gala. November 11, 2017. Ottawa, ON.

- *Heart Disease 101*. Presentation to Peer Leaders of Women@Heart Program. November 28, 2017. Ottawa, ON
- *The Canadian Women's Heart Health Centre*. Presentation to the Government of Canada Workplace Charitable Campaign Seeing is Believing Tour. October 3, 2017. Ottawa, ON.
- *Women's Heart Health*. Speech at the University of Ottawa Heart Institute Patient Alumni Association Meet the Expert Conference. September 26, 2017. Ottawa, ON.
- *The Canadian Women's Heart Health Centre*. Speech at the 11th Annual Jeanne Fuller Red Dress Charity Golf Classic. September 11, 2017. Ottawa, ON.
- *Heart Disease 101*. Presentation to Peer Leaders of Women@Heart Program. 2016. Ottawa, ON
- *Heart Disease 101*. Presentation to Peer Leaders of Women@Heart Program. 2015. Ottawa, ON
- *Women's Heart Health*. Presentation to the Ottawa Heart Support Group. 2014. Ottawa, ON.

### **Mentoring Activities**

1. Amy Johnston. PhD Candidate, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa, Ottawa, ON.

**Project Title:** Do hypertensive disorders of pregnancy increase the risk of incident atrial fibrillation?

**Term:** July 2019 to present date.

**Deliverables:** Received the 2019 Canadian Vascular Network Scholar Award. Received the CIHR Frederick Banting and Charles Best Canada Graduate Scholarship - Doctoral Research Award (2020). Received the Ontario Women's Health Scholars Award - Doctoral Level (2020). Data collection ongoing.

2. Owais Mian. Medical Student at University of Ottawa, Ottawa, ON.

**Project Title:** Single vs. Serial Assessment of Arterial Hemodynamics to Predict Thoracic Aortic Aneurysm Expansion

**Term:** February 2019 to present date.

**Deliverables:** Flatboard eposter at the American College of Cardiology's 69th Annual Scientific Session, March 28 - 30, 2020. Manuscript submitted to Hypertension.

3. Dr. Tina Zhu. Echocardiology fellow at the Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion.

**Term:** December 2018 to July 2019.

**Deliverables:** Presentation at the European Society of Cardiology (ESC) Congress 2019 in Paris, France. Winner of the Best Clinical Science Oral Presentation at the Ottawa Cardiovascular Research Day, May 13, 2019. Presented at the 7th International Ottawa Heart Conference 2019. Manuscript submitted to JACC.

4. Dr. Faith Njue. Heart Failure Fellow at University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Sex differences in access, complications and outcomes of advanced therapies and cardiac devices in heart failure with reduced ejection fraction.

**Term:** July 2018 to July 2019.

5. Dr. Kevin Boczar. Cardiology Resident at University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Sex Considerations in Aneurysm Formation, Progression, and Outcomes.

**Term:** August to December 2017.

**Deliverables:** Manuscript published in the *Canadian Journal of Cardiology* 2018.

**Project Title:** Sex Differences in the Associations of Aortic Stiffness with Thoracic Aortic Aneurysm Growth

**Term:** December 2017 to present date.

**Deliverables:** Best Clinical Science Oral Presentation Award at the Ottawa Cardiovascular Research Day 2018. Oral presentation at the 2018 Canadian Cardiovascular Congress and selected as a Finalist for the Trainee Research Award – Clinical Science. Manuscript published in *Hypertension*.

**Project Title:** Measures of Aortic Stiffness, Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Growth: Results From A Prospective Cohort Study With Sex-Specific Analyses

**Term:** May 2018 to present date.

**Deliverables:** Oral presentation and selected as a finalist for the Samuel A. Levine Young Clinical Investigator Award at the 2018 American Heart Association's Annual Scientific Sessions. Poster at the 7th International Ottawa Heart Conference 2019. Poster at the Ottawa Cardiovascular Research Day, May 13, 2019. Oral presentation at the 2019 Canadian Cardiovascular Congress and selected as a Finalist for the Trainee Research Award – Clinical Science. Oral presentation at the 15<sup>th</sup> Annual Northwestern Cardiovascular Young Investigators' Forum, November 1, 2019, Chicago, IL. Manuscript in press in *Hypertension*.

**Project Title:** Sex-specific role of estimated aortic pulse wave velocity in the prediction of future thoracic aortic aneurysm expansion.

**Term:** May 2019 to present date.

**Deliverables:** Accepted as a poster at the Canadian Women's Heart Health Summit. April 2-3, 2020. Abstract accepted for presentation at European Society of Cardiology (ESC) Congress 2020. Winner of Canadian Cardiovascular Society Trainee Research Award in Clinical Science for his abstract "Estimated Aortic Pulse Wave Velocity Predicts Future Thoracic Aortic Aneurysm Expansion: Results from a Prospective Cohort Study with Sex-Specific Analyses".

**Project Title:** Vascular inflammation and its role in cardiovascular disease.

**Term:** March 2020 to present date.

**Deliverables:** Member of PhD Thesis Advisory Committee. Received Canadian Institutes of Health Research (CIHR) Fellowship (2020).

6. Jasjit Rooprai. Medical Student at University of Ottawa, Ottawa, ON.

**Project Title:** Role of Pulsatile Arterial Load on Thoracic Aortic Aneurysm Growth in Patients with Bicuspid Aortic Valve

**Term:** March 2018 to present date.

**Deliverables:** Abstract presented at the 2018 Canadian Congress of Cardiology (October 2018). Manuscript published in the *Journal of the American Heart Association*.

**Project Title:** Central Hypertension in Patients with Thoracic Aortic Aneurysms without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size.

**Term:** July 2018 to present date

**Deliverables:** Poster presentation at the American College of Cardiology's 68<sup>th</sup> Annual Scientific Session. March 16-18, 2019. New Orleans, LA, USA. Poster at the 7th International Ottawa Heart Conference 2019. Poster at the Ottawa Cardiovascular Research Day, May 13, 2019. Abstract accepted for presentation at the American Heart Association's Scientific Sessions 2019 in Philadelphia. Manuscript in press in American Journal of Hypertension.

7. Dr. Waseem Hindieh. Previous echocardiography Fellow at University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Hemodynamic Predictors of Thoracic Aortic Aneurysm Growth: Role of Pulsatile Arterial Load

**Term:** January 2018 to July 2018.

**Deliverables:** Abstract presented at the 2018 Ottawa Cardiovascular Research Day, and poster presented at the 2018 Canadian Congress of Cardiology (October 2018).

8. Dr. Nicolas Santi. Internal Medicine Resident at University of Ottawa

**Project Title:** Arterial Age and Early Vascular Aging, but not Chronological Age, are Associated with Faster Thoracic Aortic Aneurysm Growth

**Term:** July 2018 to June 2020

**Deliverables:** Abstract accepted for presentation at the American College of Cardiology's 68<sup>th</sup> Annual Scientific Session, but declined in favour of oral presentation as finalist for the Young Investigator Award at EuroPrevent 2019 Congress in Lisbon. Abstract accepted for presentation at the American Heart Association's Scientific Sessions 2019 in Philadelphia.

9. Dr. Jennifer Jue. Previous echocardiography Fellow at University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Greater Aortic Stiffness and Pulsatile Arterial Load are Associated with Larger Thoracic Aortic Aneurysm Size in Women

**Term:** December 2017 to July 2018.

**Deliverables:** Abstracts presented at the 2018 Canadian Women's Heart Health Summit, 2018 Ottawa Cardiovascular Research Day and 2018 Ottawa Cardiovascular Conference. Manuscript published in *Circulation* 2019.

10. Dr. Lebei Pi. Internal Medicine Resident at University of Ottawa

**Project Title:** Arterial Abnormalities in Heart Failure with Preserved Ejection Fraction

**Term:** June 2018 to present date

**Deliverables:** Data extraction ongoing

11. Dr. Olabimpe Lamai. Cardiology Fellow at University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Hypertension-related mechanisms that may lead to Heart Failure in Black women

**Term:** November 2017 to June 2019.

**Deliverables:** Abstracts presented at the 2018 Canadian Women's Heart Health Summit, 2018 Ottawa Cardiovascular Research Day and 2018 Ottawa Cardiovascular Conference.

12. Dr. Ana Werlang. Maternal-Fetal Medicine Fellow at The Ottawa Hospital, Ottawa, ON.

**Project Title:** Early Vascular Aging in Women with Pre-Eclampsia

**Term:** November 2017 to present date.

**Deliverables:** Recruitment and data collection ongoing.

13. Katie Cheung. Previous undergraduate Summer Student. University of Ottawa Heart Institute, Ottawa, ON.

**Project Title:** Thoracic Aortic Aneurysms: Hemodynamics and Role of Arterial Stiffness

**Term:** May to September, 2015; April to September 2017.

**Deliverables:** Abstracts presented at AHA 2015, 1<sup>st</sup> Canadian Women's Heart Health Summit 2016, and University of Ottawa Heart Institute's Research Day 2016.

Best Oral Presentation Awards at the 1<sup>st</sup> Canadian Women's Heart Health Summit 2016 and the University of Ottawa Heart Institute's Research Day 2016.

Manuscript published in the *Journal of the American Heart Association* 2017.



14. Dr. Bilal Salman Khan. Previous post-doctorate student. Mayo Clinic, Rochester, MN. Co-supervision with Dr. Iftikhar Kullo.

**Project title:** Associations of Endothelial Function with Left Ventricular Hypertrophy and Remodeling.

**Term:** March, 2012 to July, 2012.

### *Teaching Activities*

1. University of Ottawa Heart Institute's Residents Show and Tell. Ottawa, ON. August 18, 2020

**Title:** *Diastology Assessment by Echo*

2. University of Ottawa Heart Institute Professor Rounds. Ottawa, ON. June 24, 2020.

**Title:** *Spontaneous Coronary Artery Dissection*

3. University of Ottawa Heart Institute Professor Rounds. Ottawa, ON. June 17, 2020.

**Title:** *A Mysterious Case of Chest Pain*

4. University of Ottawa Heart Institute's Resident Academic Half Day. Ottawa, ON. April 30, 2020.

**Title:** *Pathophysiology and Non-invasive Imaging of the Aorta*

5. University of Ottawa Heart Institute's Resident Academic Half Day. Ottawa, ON. April 25, 2019.

**Title:** *Cardiovascular Risk after Hypertensive Disorders of Pregnancy*

6. The Ottawa Hospital's General Internal Medicine Residents Academic Half Day. Ottawa, ON. January 10, 2019

**Title:** *Cardiovascular Risk after Hypertensive Disorders of Pregnancy*

7. University of Ottawa Echo Fellows Tuesday Teaching. Ottawa, ON. January 8, 2019

**Title:** *Diastolic Function*

8. University of Ottawa Heart Institute's Residents Show and Tell. Ottawa, ON. November 27, 2018

**Title:** *A Mysterious Case of Chest Pain*

9. University of British Columbia Cardiology Residents Academic Half Day. Vancouver, BC. November 1, 2018

**Title:** *Constriction vs. Restriction*

10. University of Ottawa Heart Institute's Residents Show and Tell. Ottawa, ON. October 2, 2018.

**Title:** *Diastolic Function*

11. University of Ottawa Heart Institute's Resident Academic Half Day. Ottawa, ON. March 8, 2018.

**Title:** *Cardiovascular Risk after Hypertensive Disorders of Pregnancy*

12. University of Ottawa Heart Institute's Resident Academic Half Day. Ottawa, ON. June 2015.

**Title:** *Acquired Disorders of the Aorta*

13. University of Ottawa Heart Institute's Resident Show and Tell Rounds. Ottawa, ON. March, 2015.

**Title:** *Echocardiographic Assessment of Diastolic Function*

14. University of Ottawa Heart Institute's Resident Academic Half Day. Ottawa, ON. November, 2014

**Title:** *Constriction vs. Restriction*

15. University of Ottawa Heart Institute's Resident Show and Tell Rounds. Ottawa, ON. August, 2014.

**Title:** *A Mysterious Case of Chest Pain*

16. University of Ottawa Heart Institute's Annual Resident Retreat. Mont-Tremblant, QC. January, 2014

**Title:** *The Aorta as a Functional Organ*

17. Imaging Grand Rounds. Rochester, MN. August, 2012

**Title:** *Presentation of a case of IVC filter fracture and embolization to the heart, mimicking myocardial infarction and subsequently causing pericardial hemorrhage. Review of the literature on indications and complications of IVC filters*

18. Vascular Medicine Interesting Case Conference. Rochester, MN. January, 2011  
**Title:** *Leg ulcers: Looking above the feet.* Presentation of a patient who presented with a venous lower extremity ulcer and was found to have constrictive pericarditis.
19. Cardiovascular Grand Rounds. Rochester, MN. July, 2011.  
**Title:** *Arterial Stiffness: Sex Differences and Association with Diastolic Function*
20. Preventive Cardiology Journal Club. Rochester, MN. February, 2011.  
**Title:** Presentation of the article *Cholesterol Efflux Capacity, High-Density Lipoprotein Function, and Atherosclerosis* (NEJM 2011).
21. Cardiovascular Research Seminar. Rochester, MN. January 2011.  
**Title:** *Arterial Stiffness and its Clinical Sequelae*
22. CCU Teaching Rounds. Rochester, MN. April 2010  
**Title:** *Aortic Dissection*
23. CCU Teaching Rounds. Rochester, MN. April 2010  
**Title:** *Right Ventricular Infarction*
24. CCU Teaching Rounds. Rochester, MN. April 2010  
**Title:** *Acute Myocardial Infarction Mimics*
25. CCU Teaching Rounds. Rochester, MN. April 2010  
**Title:** *Mechanical Complications of Myocardial Infarction*
26. Cardiology Visiting Professor Presentation. Rochester, MN. May 2010  
**Title:** Presentation of a case of left ventricular pseudoaneurysm occluded percutaneously to the visiting professor, Dr. Deepak Bhatt, and cardiology fellows.
27. Cardiovascular Research Seminar. Rochester, MN. January 2010  
**Title:** *Central Obesity and Mortality in Coronary Artery Disease*
28. CCU Morbidity and Mortality Conference. Rochester, MN. November 2009  
**Title:** Presentation of CCU cases from the month of November 2009.
29. CCU Teaching Rounds. Rochester, MN. November 2009  
**Title:** *Right Ventricular Infarction*
30. CCU Teaching Rounds. Rochester, MN. November 2009  
**Title:** *Acute Myocardial Infarction Mimics*

31. CCU Teaching Rounds. Rochester, MN. November 2009  
**Title:** *Mechanical Complications of Myocardial Infarction*
32. Clotter's Rounds. Rochester, MN. October 2009  
**Title:** Presentation of a case of acquired von Willebrand syndrome due to severe aortic stenosis, followed by a discussion of diagnosis and management of acquired von Willebrand syndrome.
33. CCU Morbidity and Mortality Conference. Rochester, MN. August 2009  
**Title:** Presentation of CCU cases from the month of August 2009.
34. Imaging Grand Rounds. Rochester, MN. April 2009  
**Title:** Presentation of a case of eosinophilic heart disease followed by a discussion of its diagnosis, echocardiographic findings, differential diagnoses and management.
35. CCU Morbidity and Mortality Conference. Rochester, MN. April 2009  
**Title:** Presentation of CCU cases from the month of April 2009.
36. Cardiology Visiting Professor Presentation. Rochester, MN. May 2009  
**Title:** Presentation of a case of cardiac amyloidosis to the visiting professor, Dr. Valentin Fuster, and cardiology fellows.
37. Cardiology Journal Club. Rochester, MN. May 2009  
**Title:** Presentation of the article *Effect of Clopidogrel Added to Aspirin in Patients with Atrial Fibrillation* (NEJM 2009)
38. Cardiovascular Grand Rounds. Rochester, MN. January 2009  
**Title:** *Role of arterial stiffness and endothelial dysfunction on functional capacity in patients with peripheral arterial disease*
39. Outpatient Mini-Case Conference. Rochester, MN. January 2008  
**Title:** Presentation of a case of hepatic adenoma in a young female manifested by incidentally found mild abnormalities in liver enzymes.
40. Ambulatory Morning Report. Rochester, MN. January 2008  
**Title:** Presentation of indications for endocarditis prophylaxis to first and second-year Internal Medicine residents.
41. Clinical Decision Making Journal Club. Rochester, MN. August 2007  
**Title:** Presentation of a case followed by review of the literature regarding the use of statins in the pre-operative period.

42. Internal Medicine Morbidity and Mortality Conference. Rochester, MN. 2007

**Title:** Presentation of a case of late diagnosis of HIV, followed by a discussion of diagnosis and management of HIV.

43. Infectious Diseases Case Conference. Rochester, MN. January 2007

**Title:** Presentation of 2 cases of pacemaker infections, followed by discussion on diagnosis of management of device infections.

44. Internal Medicine Mini Case Conference. Rochester, MN. April 2006

**Title:** Presentation of a case of pericardial effusion caused by Minoxidil.

45. Internal Medicine tutor during medical school. Rio de Janeiro, Brazil. March 2003 to March 2004.

### COMMITTEE MEMBERSHIPS:

1. Canada Research Continuity Emergency Fund (CRCEF) Internal Committee since October 2020
2. University of Ottawa Heart Institute COVID-19 Clinical Oversight Committee since May 2020.
3. 3<sup>rd</sup> Canadian Women's Heart Health Summit planning committee 2019-2020. Role: Co-Chair.
4. CorHealth Ontario Vascular Leadership Council since August 2018.
5. Canadian Women's Heart Health Alliance – since April 2018. Role: Chair of the Secretariat and Executive Steering Committee.
6. CorHealth Ontario Vascular Rehab Working Group since August 2017.
7. 2<sup>nd</sup> Canadian Women's Heart Health Summit planning committee 2017-2018. Role: Co-Chair.
8. University of Ottawa Heart Institute Senior Management Committee. Member since May 2017.
9. Heart and Stroke Foundation's Women's Heart and Brain Health Research Network. Member since inception (2017).
10. 1<sup>st</sup> Canadian Women's Heart Health Summit planning committee 2015 - 2016. Role: Co-Chair.
11. University of Ottawa Heart Institute Women's Heart Health Team Committee. Chair since inception (2015).
12. University of Ottawa Heart Institute Scientific Advisory Committee. Member since 2014.

### ABSTRACT REVIEWER:

1. Canadian Cardiovascular Congress, October 2020
2. Canadian Cardiovascular Congress, October 2019
3. Canadian Cardiovascular Congress, October 2018
4. XVIII International Symposium on Atherosclerosis, June 2018
5. 2<sup>nd</sup> Canadian Women's Heart Health Summit, April 2018
6. Canadian Cardiovascular Congress, October 2017
7. Canadian Cardiovascular Congress, October 2016

8. 1<sup>st</sup> Canadian Women's Heart Health Summit, April 2016

#### **AWARDS REVIEWER:**

1. University of Ottawa Heart Institute Endowed Fellowship and Graduate Awards, 2019
2. J. P. Bickell Foundation Medical Research Grant, 2017
3. University of Ottawa Heart Institute Global Achievement Award, 2017

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#### **JOURNAL EXPERIENCE**

##### **Editorial Board of the Canadian Journal of Cardiology**

Appointed January 2019.

##### **Guest Editor**

Canadian Journal of Cardiology's Women and Cardiovascular Disease Focus Issue - April 2018;34(4).

##### **Peer Reviewer:**

Active peer reviewer for several journals, including Circulation, Circulation: Quality and Outcomes, Journal of the American College of Cardiology, Journal of the American Heart Association, JACC: Cardiovascular Imaging, Canadian Journal of Cardiology, Canadian Journal of Cardiology Open, Hypertension, American Journal of Hypertension, Mayo Clinic Proceedings, Obesity, Journal of the American Society of Echocardiography, among others.

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## MEDIA ACTIVITIES:

1. CFRA The Goods with Dahlia Kurtz re The Influence of Sex and Gender on Cardiovascular Health, September 12, 2020: <https://www.iheartradio.ca/580-cfra/podcasts/listen-now-the-influence-of-sex-and-gender-on-cardiovascular-health-1.13477176?mode=Article>
2. BEaTS Research Radio Podcast re Women's Cardiovascular Health, March 8, 2020: <http://bit.ly/3355fVu>
3. CFRA The Goods with Dahlia Kurtz re The Influence of Sex and Gender on Cardiovascular Health, February 29, 2020: <https://omny.fm/shows/580-cfra/the-goods-it-s-one-of-the-greatest-global-health-t>
4. CFRA The Goods with Dahlia Kurtz re Women's Cardiovascular Health, February 16, 2020: <https://omny.fm/shows/580-cfra/the-goods-what-you-need-to-understand-about-women>
5. CTV News re Wear Red Canada Campaign, February 12, 2020: <https://ottawa.ctvnews.ca/video?clipId=1898683>
6. CBC Quirks & Quarks: Women in Science Episode, September 22, 2019: [cbc.ca/1.5291080](http://cbc.ca/1.5291080)
7. CBC News re Women's Heart Health and Snow Shovelling & the Heart, February 13, 2019: <https://www.cbc.ca/player/play/1442242115664>
8. CTV News re Wear Red Canada Campaign, February 12, 2019: <https://ottawa.ctvnews.ca/video?clipId=1609629>
9. 1310 News' Rick Gibbons Show Re Wear Red Canada campaign and women's heart health, February 8, 2019: [https://www.1310news.com/audio/the-rick-gibbons-show/?utm\\_source=Internal+Communications%3A+Managers+and+Physicians&utm\\_campaign=9141b84aa6-EMAIL\\_CAMPAIGN\\_2018\\_11\\_30\\_01\\_57\\_COPY\\_03&utm\\_medium=email&utm\\_term=0\\_72e7ef28be-9141b84aa6-157415341](https://www.1310news.com/audio/the-rick-gibbons-show/?utm_source=Internal+Communications%3A+Managers+and+Physicians&utm_campaign=9141b84aa6-EMAIL_CAMPAIGN_2018_11_30_01_57_COPY_03&utm_medium=email&utm_term=0_72e7ef28be-9141b84aa6-157415341)
10. CTV News re Heart Health and the New Canada Food Guide, January 24, 2019: <https://ottawa.ctvnews.ca/video?clipId=1594431>
11. Living Your Life with Lianne Laing Podcast: "A Real Heart To Heart About Heart Health With Dr. Thais Coutinho", November 27, 2018: <https://play.google.com/music/listen?u=0#/ps/la6apwdaolitoskxzskncztqgbi>



12. CTV News re Peripheral Arterial Disease, July 26, 2018:  
<https://ottawa.ctvnews.ca/video?clipId=1447668>
13. Multiple media activities re CMAJ paper on sex differences in outcomes of heart failure, including:
  - a. New York Times: [https://www.nytimes.com/2018/07/18/well/heart-failure-may-be-more-lethal-in-women.html?rref=collection%2Fsectioncollection%2Fhealth&action=click&contentCollection=health%2CAEion=stream&module=stream\\_unit&version=latest&contentPlacement=6&pgtype=sectionfront](https://www.nytimes.com/2018/07/18/well/heart-failure-may-be-more-lethal-in-women.html?rref=collection%2Fsectioncollection%2Fhealth&action=click&contentCollection=health%2CAEion=stream&module=stream_unit&version=latest&contentPlacement=6&pgtype=sectionfront)
  - b. Globe and Mail: <https://www.theglobeandmail.com/canada/article-death-rates-from-heart-failure-higher-for-women-than-men-study-says/>
  - c. Ottawa Citizen: <https://ottawacitizen.com/news/local-news/death-rates-from-heart-failure-higher-in-women-ottawa-study-reports>
14. CBC Radio PEI Island Morning re Hypertensive Disorders of Pregnancy and Cardiovascular Risk, May 10, 2018: <http://www.cbc.ca/listen/shows/island-morning/segment/15543335>
15. CTV News re Spontaneous Coronary Artery Dissection (SCAD), May 1, 2018:  
<https://ottawa.ctvnews.ca/video?clipId=1385083>
16. TVO's The Agenda with Steve Paikin re Women's Heart Health, April 11, 2018:  
<https://tvo.org/video/programs/the-agenda-with-steve-paikin/caring-for-a-womans-heart>
17. Global News re Preeclampsia and Cardiovascular Disease, April 6, 2018:  
<https://globalnews.ca/news/4126296/preeclampsia-heart-disease-stroke-risk/>
18. CBC Ottawa Morning re The argument for women-only heart clinics, April 5, 2018:  
<http://www.cbc.ca/listen/shows/ottawa-morning/segment/15535302>
19. News 1310 radio interview re Canadian Women's Heart Health Summit, April 5, 2018:  
<http://www.1310news.com/audio/the-rick-gibbons-show/> (first interview, 2nd hour)
20. 1h Talk show on News 1310 radio: Women's Cardiovascular Health, February 20, 2018.
21. CTV Morning Live interview re Women's Heart Health, January 29, 2018:  
<https://ottawa.ctvnews.ca/video?binId=1.1905867#1311702>
22. The National Post re Influenza and Heart Attack Risk, January 24, 2018:  
<http://nationalpost.com/pmnn/news-pmn/canada-news-pmn/getting-influenza-raises-heart-attack-risk-especially-in-seniors-study>
23. The Ottawa Citizen re Chief of Prevention and Rehabilitation, April 30, 2017:  
<http://ottawacitizen.com/news/local-news/heart-institute-names-first-female-head-of-prevention-and-rehabilitation>

24. 1310 News re Chief of Prevention and Rehabilitation, May 1, 2017:  
<http://www.1310news.com/2017/05/01/heart-institute-hires-first-woman-head-division/>
25. American College of Cardiology website interview re an International Medical Graduate's Journey, April 28, 2017: <http://www.acc.org/membership/sections-and-councils/fellows-in-training-section/fit-information-hub/international/2017/04/27/15/11/interview-with-thais-coutinho-md-lessons-learned-from-an-international-medical-graduates-journey>
26. CBC's Our Ottawa re Women's Heart Health, April 29, 2016:  
<https://www.facebook.com/HeartInstitute/photos/a.10150521950841831.363478.107954531830/10153398912251831/?type=3&theater>
27. CBC re Heart Disease in Canadian Women, April 15, 2016:  
<http://www.cbc.ca/news/canada/ottawa/heart-disease-silent-killer-women-canada-1.3535987>
28. Costco Connection article re Understanding Women's Heart Health:  
[http://www.costcoconnection.ca/connectioncaeng/march\\_april\\_2016?pg=41#pg41](http://www.costcoconnection.ca/connectioncaeng/march_april_2016?pg=41#pg41)
29. CTV Morning Live interview re Women's Heart Health, February 24, 2016:  
<https://ottawa.ctvnews.ca/video?clipId=815158>
30. Two papers featured in the Journal of American College of Cardiology's "Highlights of the Year 2013" publication: <http://www.onlinejacc.org/content/63/6/570>
31. Multiple media activities re JACC papers on central obesity, including:
- a. BBC: <http://www.bbc.com/news/health-13222192>
  - b. The Wall Street Journal:  
<https://www.wsj.com/articles/SB10001424052748704569404576299440848946156>
  - c. CBC: <http://www.cbc.ca/news/health/obesity-abdominal-1.3311121>
  - d. Medscape: <https://www.medscape.com/viewarticle/778382>
  - e. CBC The National: <http://www.cbc.ca/news/health/belly-fat-key-for-heart-patient-risk-study-1.1103222>
  - f. Science Daily: <https://www.sciencedaily.com/releases/2011/05/110502161356.htm>
  - g. MPR News: <https://www.mprnews.org/story/2011/05/03/mayo-clinic-belly-fat-study>
  - h. Vital Choice: [https://www.vitalchoice.com/article/belly-heart-link-questioned-too-hastily?utm\\_referrer=https%3A%2F%2Fwww.google.ca%2F](https://www.vitalchoice.com/article/belly-heart-link-questioned-too-hastily?utm_referrer=https%3A%2F%2Fwww.google.ca%2F)

- i. Express.co.uk: <https://www.express.co.uk/news/uk/244476/Flabby-midriff-raises-health-risk>
- j. Evening Standard: <https://www.standard.co.uk/news/watch-that-muffin-top-flabby-stomach-raises-health-risk-6397393.html>
- k. Herald: <https://www.herald.ie/lifestyle/health-beauty/flabby-tum-raises-risks-for-heart-patients-27979110.html>
- l. Medpage today: <https://www.medpagetoday.com/cardiology/prevention/26233>
- m. mrt: <https://www.mrt.com/business/article/HEALTHY-LIVING-Belly-fat-heart-disease-combo-is-7437479.php>
- n. JANO.es: <http://www.jano.es/noticia-los-pacientes-con-cardiopatía-isquémica-13666>
- o. Hindustantimes.com: <https://www.hindustantimes.com/health-and-fitness/beer-belly-or-muffin-top-can-be-fatal/story-OcW7pDGyOW7DeLiXPLlcXL.html>