

Thais Coutinho

University of Ottawa Heart Institute • 40 Ruskin St. • Ottawa, ON - Canada • K1Y 4W7
P: 613-696-7397 • E: tcoutinho@ottawaheart.ca

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
10/2013 to present date: Assistant Professor of Medicine, University of Ottawa

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.

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 Step 3: Score 239/99 – Passed.
03/2005: Educational Commission for Foreign Medical Graduates Certification
03/2005: United States Medical Licensing Examination Step 2 CS: Passed.
09/2004: United States Medical Licensing Examination Step 2 CK: Score 273/99 – Passed.
05/2004: United States Medical Licensing Examination Step 1: Score 243/ 98 – Passed.

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

AWARDS

- 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. Rochester, MN - May 2012
- 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)

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

CLINICAL INNOVATIONS

- 11/2017:** Created the Women’s Heart Health Clinic at the University of Ottawa Heart Institute
- 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)

LEADERSHIP EXPERIENCE

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. 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

LEAVE OF ABSENCE

04/2016 to 10/2016: Parental leave

RESEARCH GRANTS

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

1) 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

2) 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

3) 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- 2019

4) 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

5) 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

6) 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

7) 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

8) 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) 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

2) 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

3) 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) Canadian Institutes of Health Research (CIHR) Project Grant

Project Title: Randomized trial of peer support for women with heart disease

Principal Investigators: Robert D. Reid

Funds available: July 2017

Support amount: CAD\$ 405,449

Support time: 2017-2020

2) 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 Investigators: Robert D. Reid

Funds available: July 2017

Support amount: CAD\$ 209,024

Support time: 2017-2020

3) Heart and Stroke Foundation of Canada (HSFC)

Project Title: Spironolactone Therapy in Chronic Stable Right Heart Failure (STAR HF) Trial

Principal Investigators: Lisa Mielniczuk

Funds available: July 2017

Support amount: CAD\$ 281,648

Support time: 2017-2020

4) Canadian Institutes of Health Research (CIHR) Emerging Network Grant

Project Title: Canadian Vascular Network

Principal Investigators: Duncan Stewart and Peter Liu

Funds available: July 2013

Support amount: CAD\$ 4,500,000

Support time: 2013-2018

5) 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

6) 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 over 4 years

Support time: 2016-2020

EDITORIAL BOARD OF THE CANADIAN JOURNAL OF CARDIOLOGY

Nominated for membership by the Editor-in-Chief, appointment to commence January 2019.

GUEST EDITOR

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

PUBLICATIONS

Full-length, peer-reviewed original articles

1. **Coutinho T**, Turner ST, Kullo IJ. *Adverse effects of long-term weight gain on microvascular endothelial function.* Obes Res Clin Pract 2018 [in press]. <https://doi.org/10.1016/j.orcp.2018.06.008>
2. **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 [in press] <https://doi.org/10.1016/j.ijcard.2018.06.072>
3. **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;20:56. doi: 10.1007/s11936-018-0653-8
4. 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.* CMAJ 2018 July 16;190:E848-54. doi: 10.1503/cmaj.180177.
5. Boczar KE, **Coutinho T**. *Sex Considerations in Aneurysm Formation, Progression, and Outcomes.* Can J Cardiol 2018;34:362-370.
6. 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.
7. **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.

8. 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 (Larchmt). 2018 Jan;27(1):72-82. doi: 10.1089/jwh.2016.6240. Epub 2017 Jun 12.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. **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.
16. 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.

17. 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.
18. 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.
19. **Coutinho T**. *Arterial stiffness and its clinical implications in women.* Can J Cardiol. 2014 Jul;30(7):756-64. Review.
20. **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.
21. 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.
22. **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.
23. **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.
24. **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.
25. **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.
26. 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.
27. **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.

28. **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.
29. **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.
30. 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.
31. **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.
32. **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.
33. 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. Mohajeri S, McLean K, Kapralik J, Chan V, Glineur D, **Coutinho T**, Boodhwani M. *Predictors of left ventricular recovery following surgical intervention for aortic insufficiency.* REVISION REQUESTED
2. Jue J, **Coutinho T**. *Sex Differences in the Associations of Pulsatile Arterial Load with Thoracic Aortic Aneurysm Size.*
3. Hindieh W, **Coutinho T**. *Hemodynamic Predictors of Thoracic Aortic Aneurysm Growth: Role of Pulsatile Arterial Load.*

Book Chapters

1. **Coutinho T**, Kullo IJ. *Cardiovascular Risk Assessment in the Vascular Laboratory*. Strandness's Duplex Scanning in Vascular Disorders, 5th Edition. 2016.
2. **Coutinho T**, Kullo IJ. *Vascular Tonometry and Imaging for Cardiovascular Risk Assessment*. Oh's The Echo Manual, 4th Edition. IN PRESS. Expected Publication: 2018

Abstracts

1. 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
2. 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
3. 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
4. Lamai O, Balogun M, Daniel F, **Coutinho T**. *Treadmill Exercise Responses in Newly Diagnosed Hypertensive African Women*. *Can J Cardiol* 2018;34:e13
5. **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
6. 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
7. 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
8. 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

9. 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
10. **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.
11. 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
12. **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
13. **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
14. **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
15. **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
16. **Coutinho T**, Kullo IJ. *Effects of Long-Term Weight Gain on Endothelial Function (Abstract)*. Can J Cardiol. 2014; 30 (10 Suppl) P 112-113.
17. 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.

18. 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
19. **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 .
20. **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
21. **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.
22. **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)
23. **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.
24. **Coutinho T**, Bailey KR, Kullo IJ. *Biomarkers of Progression of Arterial Stiffness*. (Abstract) Circulation. 2012;126:A15605
25. 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
26. **Coutinho T**, Pellikka PA, Kullo IJ. *Sex Differences in Arterial Stiffness and Arterial-Ventricular Interactions*. (Abstract) J Am Coll Cardiol. 2012; 59: E2140.
27. 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.

28. **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
29. **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.
30. **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
31. **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.
32. **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
33. **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
34. **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

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

International Oral Presentations

1. **Coutinho T.** *Inflammation and Vascular Function.* North American Artery Annual Meeting. June 16, 2018. Chicago, IL.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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.

10. **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
11. **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.
12. **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.
13. **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****
14. **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.
15. **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.
16. **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****
17. **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**. *Peripheral Artery Disease Diagnosis and Treatment: What All of Us Should Know*. Presentation to Endocrinologists at Jewish General Hospital. May 24, 2018. Montreal, QC.

2. **Coutinho T.** *Women's Heart Health.* Heart and Stroke Cardiovascular Conference. May 10, 2018. Charlottetown, PE.
3. **Coutinho T.** *Hypertension.* Canadian Women's Heart Health Summit. April 6, 2018. Ottawa, ON
4. **Coutinho T.** *Peripheral Artery Disease Diagnosis and Treatment.* Eastern Ontario Cardiovascular Summit. June 17, 2017. Tremblant, QC.
5. **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 **
6. **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
7. **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

Provincial/Local Oral Presentations

1. **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.
2. **Coutinho T.** *Hypertension in Women: Implications for Cardiovascular Risk Across the Lifespan.* Cardiovascular Prevention Rounds, McMaster University. May 15, 2018. Hamilton, ON.
3. **Coutinho T.** *Cardiovascular Risk after Hypertensive Disorders of Pregnancy.* Ottawa Heart Conference on Precision Medicine in Cardiovascular Disease. April 26, 2018. Ottawa, ON
4. **Coutinho T.** *Hypertensive Disorders of Pregnancy and Future Cardiovascular Risk.* Cardiology Rounds, University of Ottawa Heart Institute. April 25, 2018. Ottawa, ON
5. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* Regional Coronary Artery Disease and Heart Failure Symposium. April 12, 2018. Ottawa, ON

6. **Coutinho T.** *Coronary Artery Disease in Women.* Regional Coronary Artery Disease and Heart Failure Symposium. April 12, 2018. Ottawa, ON
7. **Coutinho T.** *Peripheral Artery Disease: Benefits of a Walking Rehabilitation Program.* Heart Wise Exercise Workshop. April 4, 2018. Ottawa, ON
8. **Coutinho T.** *Hypertensive Disorders of Pregnancy, Gestational Diabetes, and Future Cardiovascular Risk.* The Ottawa Hospital Endocrinology Journal Club. February 27, 2018. Ottawa, ON
9. **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
10. **Coutinho T.** *Sex and Gender Considerations in Cardiovascular Research.* Clinical Research Staff Workshop, University of Ottawa Heart Institute. February 14, 2018. Ottawa, ON
11. **Coutinho T.** *Peripheral Arterial Disease: What All of Us Need to Know.* Cardiology Rounds, University of Ottawa Heart Institute. January 24, 2018. Ottawa, ON
12. **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.
13. **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.
14. **Coutinho T.** *Spontaneous Coronary Artery Dissection.* Cardiac Rehabilitation Rounds, University of Ottawa Heart Institute. September 28, 2017. Ottawa, ON.
15. **Coutinho T.** *Medical Management is Still the Gold Standard for Uncomplicated Dissections?* National Capital Vascular Symposium: The Aorta. May 6, 2017. Ottawa, ON.
16. **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.
17. **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.

18. **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
19. **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
20. **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
21. **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.
22. **Coutinho T.** *Arterial Stiffness and its Role in Cardiac Function.* Invited presentation at the 16th Annual Toronto-Ottawa Heart Summit. June 2013. Toronto, ON
23. **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

Posters

1. 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.
2. Hindieh W, **Coutinho T.** *Associations of Arterial Hemodynamic Measures with Accelerated Thoracic Aortic Aneurysm Growth.* Ottawa Cardiovascular Research Day. April 30, 2018. Ottawa ON.
3. 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.

4. 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.
5. 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.
6. Boczar KE, **Coutinho T**. *Sex Differences in Thoracic Aortic Aneurysm Growth: Role of Aortic Stiffness*. The 6th International Ottawa Heart Conference: Precision Medicine in Cardiovascular Disease. April 26-27, 2018. Ottawa ON.
7. 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.
8. 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
9. **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.
10. 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.
11. **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.
12. **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.

13. **Coutinho T**, Kullo IJ. *Weight Gain is Associated with Impaired Microvascular Endothelial Function*. Moderated Poster Session. Canadian Cardiovascular Congress. October, 2014. Vancouver, B.C.
14. 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.
15. **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.
16. **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.
17. **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.
18. **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.
19. **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.
20. **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.

21. 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.
22. **Coutinho TD**, Prakash U. *Concurrent Adult Still's Disease and Sarcoidosis*. American College of Physicians' National Meeting. May 2008. Washington, D.C.
23. **Coutinho TD**, Prakash U. *Concurrent Adult Still's Disease and Sarcoidosis*. American College of Physicians' Regional Chapter Meeting. November 2007. Minneapolis, MN.
24. **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.
25. **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.
26. **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.
27. **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.
28. **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.
29. **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.
30. **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.

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 Worskhop. Mayo Clinic CTSA. Rochester, MN. Fall 2012

EDUCATIONAL ACTIVITIES

Symposiums

- 2nd Canadian Women's Heart Health Summit. April 5-6, 2018.
Role: Co-chair
- 1st Canadian Women's Heart Health Summit. April 14-16, 2016.
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

- *Women, Wine & Wisdom: Being Brave*. Panel discussion of Ottawa Women Leaders on becoming fearless and breaking barriers, 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

- Ms. 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 and manuscript in preparation

- Dr. Waseem Hindieh. Echocardiography Fellow. 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 present date.

- Dr. Jennifer Jue. Echocardiography Fellow. University of Ottawa Heart Institute, Ottawa, ON.

Project Title: Sex Differences in the Associations of Pulsatile Arterial Load with Thoracic Aortic Aneurysm Size

Term: December 2017 to present date.

- Dr. Olabimpe Lamai. Clinical Fellow. University of Ottawa Heart Institute, Ottawa, ON.

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

Term: Winter 2017 to present date.

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

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.

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

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

Term: November 2017 to present date.

- Ms. Katie Cheung. 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, 1st Canadian Women's Heart Health Summit 2016, and University of Ottawa Heart Institute's Research Day 2016.

Best Oral Presentation Awards at the 1st 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 (see above)

- Dr. Ali Al-Shahrani. Post-doc. University of Ottawa Heart Institute, Ottawa, ON

Project title: Left ventricular myocardial strain imaging in patients with cardiac sarcoidosis.

Term: July, 2014 to present date.

Deliverables: Analyses ongoing.

- Dr. Bilal Salman Khan. Post-doc. Mayo Clinic, Rochester, MN.

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

Term: March, 2012 to July, 2012.

Teaching Activities

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

Title: *Cardiovascular Risk after Hypertensive Disorders of Pregnancy*

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

Title: *Acquired Disorders of the Aorta*

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

Title: *Echocardiographic Assessment of Diastolic Function*

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

Title: *Constriction vs. Restriction*

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

Title: *A Mysterious Case of Chest Pain*

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

Title: *The Aorta as a Functional Organ*

- 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*

- 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.

- Cardiovascular Grand Rounds. Rochester, MN. July, 2011.

Title: *Arterial Stiffness: Sex Differences and Association with Diastolic Function*

- Preventive Cardiology Journal Club. Rochester, MN. February, 2011.

Title: Presentation of the article *Cholesterol Efflux Capacity, High-Density Lipoprotein Function, and Atherosclerosis* (NEJM 2011).

- Cardiovascular Research Seminar. Rochester, MN. January 2011.

Title: *Arterial Stiffness and its Clinical Sequelae*

- CCU Teaching Rounds. Rochester, MN. April 2010

Title: *Aortic Dissection*

- CCU Teaching Rounds. Rochester, MN. April 2010

Title: *Right Ventricular Infarction*

- CCU Teaching Rounds. Rochester, MN. April 2010

Title: *Acute Myocardial Infarction Mimics*

- CCU Teaching Rounds. Rochester, MN. April 2010

Title: *Mechanical Complications of Myocardial Infarction*

- 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.

- Cardiovascular Research Seminar. Rochester, MN. January 2010

Title: *Central Obesity and Mortality in Coronary Artery Disease*

- CCU Morbidity and Mortality Conference. Rochester, MN. November 2009

Title: Presentation of CCU cases from the month of November 2009.

- CCU Teaching Rounds. Rochester, MN. November 2009

Title: *Right Ventricular Infarction*

- CCU Teaching Rounds. Rochester, MN. November 2009

Title: *Acute Myocardial Infarction Mimics*

- CCU Teaching Rounds. Rochester, MN. November 2009

Title: *Mechanical Complications of Myocardial Infarction*

- 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.

- CCU Morbidity and Mortality Conference. Rochester, MN. August 2009

Title: Presentation of CCU cases from the month of August 2009.

- 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.

- CCU Morbidity and Mortality Conference. Rochester, MN. April 2009

Title: Presentation of CCU cases from the month of April 2009.

- 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.

- 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)

- Cardiovascular Grand Rounds. Rochester, MN. January 2009

Title: *Role of arterial stiffness and endothelial dysfunction on functional capacity in patients with peripheral arterial disease*

- 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.

- Ambulatory Morning Report. Rochester, MN. January 2008

Title: Presentation of indications for endocarditis prophylaxis to first and second-year Internal Medicine residents.

- 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.

- 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.

- 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.

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

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

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

COMMITTEE MEMBERSHIPS:

- Canadian Women's Heart Health Alliance – since April 2018. Role: Chair of the Secretariat
- CorHealth Ontario Vascular Rehab Working Group since August 2017.
- 2nd Canadian Women's Heart Health Summit planning committee (Co-Chair). 2017-2018.
- University of Ottawa Heart Institute Senior Management Committee. Member since May 2017.
- Heart and Stroke Foundation's Women's Heart and Brain Health Research Network. Member since inception (2017)
- 1st Canadian Women's Heart Health Summit planning committee (Co-Chair). 2015 - 2016.
- University of Ottawa Heart Institute Women's Heart Health Team Committee. Chair since inception (2015).
- University of Ottawa Heart Institute Scientific Advisory Committee. Member since 2014.

ABSTRACT REVIEWER:

- Canadian Cardiovascular Congress, October 2018
- XVIII International Symposium on Atherosclerosis, June 2018
- 2nd Canadian Women's Heart Health Summit, April 2018
- Canadian Cardiovascular Congress, October 2017
- Canadian Cardiovascular Congress, October 2016
- 1st Canadian Women's Heart Health Summit, April 2016

AWARDS REVIEWER:

- J. P. Bickell Foundation Medical Research Grant, 2017
- University of Ottawa Heart Institute Global Achievement Award, 2017

PEER REVIEWER:

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

MEDIA ACTIVITIES:

- CBC Radio PEI Island Morning re Hypertensive Disorders of Pregnancy and Cardiovascular Risk:
<http://www.cbc.ca/listen/shows/island-morning/segment/15543335>
- CTV News re Spontaneous Coronary Artery Dissection (SCAD):
<https://ottawa.ctvnews.ca/video?clipId=1385083>
- 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>
- Global News re Preeclampsia and Cardiovascular Disease, April 6, 2018:
<https://globalnews.ca/news/4126296/preeclampsia-heart-disease-stroke-risk/>
- CBC Ottawa Morning re The argument for women-only heart clinics, April 5, 2018:
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- News 1310 radio interview re Canadian Women's Heart Health Summit, April 5, 2018:
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<https://www.facebook.com/HeartInstitute/photos/a.10150521950841831.363478.107954531830/10153398912251831/?type=3&theater>
- 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>
- Costco Connection article re Understanding Women's Heart Health:
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- CTV Morning Live interview re Women's Heart Health, February 24, 2016:
<https://ottawa.ctvnews.ca/video?clipId=815158>
- Three 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>
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 - BBC: <http://www.bbc.com/news/health-13222192>
 - The Wall Street Journal:
<https://www.wsj.com/articles/SB10001424052748704569404576299440848946156>
 - CBC: <http://www.cbc.ca/news/health/obesity-abdominal-1.3311121>
 - Medscape: <https://www.medscape.com/viewarticle/778382>
 - CBC The National: <http://www.cbc.ca/news/health/belly-fat-key-for-heart-patient-risk-study-1.1103222>
 - Science Daily:
<https://www.sciencedaily.com/releases/2011/05/110502161356.htm>
 - MPR News: <https://www.mprnews.org/story/2011/05/03/mayo-clinic-belly-fat-study>
 - Vital Choice: https://www.vitalchoice.com/article/belly-heart-link-questioned-too-hastily?utm_referrer=https%3A%2F%2Fwww.google.ca%2F
 - Express.co.uk: <https://www.express.co.uk/news/uk/244476/Flabby-midriff-raises-health-risk>
 - Evening Standard: <https://www.standard.co.uk/news/watch-that-muffin-top-flabby-stomach-raises-health-risk-6397393.html>

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- Medpage today: <https://www.medpagetoday.com/cardiology/prevention/26233>
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