

UBC Cardiology Research News

Reporting January - March 2018

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Message from Research Director

Dear Colleagues:

I am very pleased to congratulate Drs. Hawkins, Saw, Ricci, Sedlak, Fordyce and Krahn for outstanding awards and distinctions at a time of high competition for research funding and research recognition. The Division continues to garner attention across North America and internationally based on the many program leaders providing invited talks. The publication productivity continues to be extremely high.

Within the office, we are getting ready for the next phase of CAPP proposals. The Executive Committee of the Division has reiterated its support for offering mechanisms to link investigators with statisticians and, very importantly, a search is ongoing for additional research support personnel to facilitate the efforts of the members submitting external grant proposals.

Thanks to all of you who continue to contribute to the research aspirations of the Division and best of luck for the success of your on-going and planned projects.

Sincerely,

G. B. John Mancini,
Director of Research, UBC Division of Cardiology

Awards & Distinctions

Hawkins, Nathaniel

- VCHRI Clinician Scientist award

Saw, Jacqueline

- Highest ranked abstract from Canada at the 2018 ACC Annual Scientific Session. "Outcomes of Percutaneous Coronary Intervention in Patients With Non-Atherosclerotic Spontaneous Coronary Artery Dissection"

Ricci, Donald

- VGH & UBC Hospital Foundation 2018 Lifetime Achievement in Health Innovation Award, VGH & UBC Hospital Foundation

Tara Sedlak

- Nominated for a 2018 YWCA Metro Vancouver Women of Distinction Award in the category of Health & Wellness



Grants Awarded

Fordyce, Christopher (Site PI)

- "Myocardial Ischemia and Transfusion". NIH, 2018. Cols include **Gin K, Wong G, Virani S.**

Krahn, Andrew

- "The Role of Electrophysiology Testing in Survivors of Unexplained Cardiac Arrest: The EPS ARREST Study". Heart and Stroke Foundation of Canada, 2018
- "Predictors of Perceived Informational Support and Self-Efficacy in Patients at Increased Risk of Sudden Unexpected Cardiac Arrest and their Caregivers". CIHR, 2018.

Invited Presentations

Gin, Ken

- "Five Trials that Changed my Practice in 2017". 14th Annual Hot Topics in Cardiology, February 17, 2018, Vancouver, BC

Grewal, Jasmine

- "Adult Congenital Disease is the Current Era: Impact on the Western Hemisphere: International Perspectives From the Canadian Cardiovascular Society, Peruvian Society of Cardiology, and American College of Cardiology" CCS, March 2018, Orlando
- ACC:"The Fontan Operation – Outcomes and Challenges in Industrialized Countries". ACC, March 2018, Orlando, FL
- "A Global Prospective Registry of Pregnancy and Cardiac: Lessons learned about Pregnancy and Valvular Disease". ACC, March 2018, Orlando FL

Humphries, Karin

- Centre for Health Evaluation and Outcome Sciences Work in Progress Presentation, "Under-diagnosis and Under-Treatment of Women with CAD. Is hs-cTn a means to an end?". St. Paul's Hospital, February 14, 2018. Vancouver BC.
- Keynote speaker, Heart & Stroke's MLA Breakfast, "Women's Heart & Brain Health Inequities". February 27, 2018. Victoria, BC.
- Invited speaker on women's heart health, Heart Sisters Patient Support Group, February 28, 2018. Nanaimo, BC.
- Health expert/consultant on women's heart health for heart month, various media outlets (Global TV, Globe and Mail, CBC, etc.). 10+ interviews, January 25 – February 7, 2018.

Krahn, Andrew

- "Meet the Expert – Long QT or Brugada Pattern on ECG: When and How to React?" Arrhythmia Update Plus 2018, February 1/ 18, Whistler BC
- "Syncope Guidelines & Appropriate Device Selection" Program Director for the Reveal LINQ National Physician Education – Connecting to the Future Summit, February 17/18, Florida

Mancini, G.B. John

- "Refining Risk Stratification from Anatomical and Functional Assessment for Stable Coronary Artery Disease: lessons from COURAGE, BARI 2D and FREEDOM for those Working in the Trenches. International Workshop on Stable Coronary Artery Disease: 250 Years after Heberden's Description, Milan, Italy, March 2, 2018

Saw, Jacqueline

- "LAA Closure: Current State of the Art and Future Directions". AF Symposium (Jan2018)
- "LAA Closure and Case Transmissions (Co-chair)". AF Symposium (Jan2018)
- "If I have permanent AF and ICH, I would choose: Endocardial LAAC". AF Symposium (Jan2018)
- "Update on SCAD". Cardiovascular Grand Rounds, NYU (Jan2018)
- "LAA complications training deck". Amulet Proctor Meeting, Rome (Jan2018)
- "My most challenging LAAC cases". LAAO Summit, Rome (Jan2018)
- "SCAD Update". Cardiovascular Grand Rounds, Foothills Hospital, Calgary (Jan2018)
- "Interesting OCT cases". CPI Montreal (Feb2018)
- "LAA Closure State of the Art". TIC Tremblant (Feb2018)
- "Understanding and Managing Leaks, Pulmonary Vein and Mitral Valve Impingement with Amulet". LAA Long Beach (Feb2018)
- "Amulet device" (panelist). ISLAA Long Beach (Feb2018)
- "Data on LAAC" (Co-chair). ISLAA Long Beach (Feb2018)
- "From coronary FMD to SCAD". International FMD Symposium 2018 Brussels (Feb2018)
- "Update on LAA Closure". Cardiovascular Grand Rounds, University of Minnesota (Feb2018)
- "Imaging for LAA Closure". Imaging Rounds, University of Minnesota (Mar2018)

PUBLICATIONS

1. Adamson PD, **Fordyce CB**, McAllister DA, Udelson JE, Douglas PS, Newby DE. Identification of patients with stable chest pain deriving minimal value from coronary computed tomography angiography: An external validation of the PROMISE minimal-risk tool. *Int J Cardiol.* 2018 Feb 1;252:31-34. doi:10.1016/j.ijcard.2017.09.033. PubMed PMID: 29249436; PubMed Central PMCID:PMC5761719.
2. Alotaibi NM, Chen V, Hollander Z, Hague CJ, Murphy DT, **Leipsic JA**, DeMarco ML, FitzGerald JM, McManus BM, Ng RT, Sin DD. Phenotyping COPD exacerbations using imaging and blood-based biomarkers. *Int J Chron Obstruct Pulmon Dis.* 2018 Jan 8;13:217-229. doi: 10.2147/COPD.S152484. eCollection 2018. PubMed PMID: 29386890; PubMed Central PMCID: PMC5764289.
3. **Andrade JG**, MacGillivray J, Macle L, Yao RJR, **Bennett M, Fordyce CB, Hawkins N, Krahn A, Jue J, Ramanathan K, Tsang T, Gin K, Deyell MW**. Clinical effectiveness of a systematic "pill-in-the-pocket" approach for the management of paroxysmal atrial fibrillation. *Heart Rhythm.* 2018 Jan;15(1):9-16. doi:10.1016/j.hrthm.2017.10.002. PubMed PMID: 29304952.
4. Asgar AW, Lauck S, Ko D, Lambert LJ, Kass M, Adams C, Nadeem N, Oakes GH, Alqoofi F, **Webb JG**. The Transcatheter Aortic Valve Implantation (TAVI) Quality Report: A Call to Arms for Improving Quality in Canada. *Can J Cardiol* 2018.
5. Bagur R, **Webb JG**. Standardizing Definitions for Bioprosthetic Structural Valve Deterioration and Failure: The European Avant-Garde. *EuroIntervention* 2018.
6. Bleiziffer S, Erlebach M, Simonato M, Pibarot P, **Webb J**, Capek L, Windecker S, George I, Sinning J, Horlick E, Napodano M, Holzhey D, Petursson P, Cerillo A, Bonaros N, Ferrari E, Cohen MG, Baquero G, Jones T, Kalra A, Reardon MJ, Chhatriwalla A, Gama Ribeiro V, Alnasser S, van Mieghem N, Rustenbach C, Schofer J, Garcia S, Zeus T, Champagnac D, Bekerdedjian R, Kornowski R, Lange R, Dvir D. Incidence, Predictors and Clinical Outcomes of Residual Stenosis after Aortic Valve-in-Valve, *Heart* 2018
7. Cheung CC, **Deyell MW**. Remote Monitoring of Cardiac Implantable Electronic Devices. *Can J Cardiol.* 2018 Jan 8. pii: S0828-282X(18)30004-7. doi:10.1016/j.cjca.2018.01.003. [Epub ahead of print] PubMed PMID: 29691097.
8. Cheung CC, **Krahn AD**. The importance of a comprehensive evaluation of survivors of cardiac arrest. *Eur Heart J.* 2018 Mar 23. doi: 10.1093/eurheartj/ehy160. [Epub ahead of print] PubMed PMID: 29584853.
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11. Drudi LM, Ades M, Turkdogan S, Huynh C, Lauck S, **Webb JG**, Piazza N, Martucci G, Langlois Y, Perrault LP, Asgar AW, Labinaz M, Lamy A, Noiseux N, Peterson MD, Arora RC, Lindman BR, Bendayan M, Mancini R, Trnkus A, Kim DH, Popma JJ, Afilalo J. Association of Depression With Mortality in Older Adults Undergoing Transcatheter or Surgical Aortic Valve Replacement. *JAMA Cardiol.* 2018 Mar 1;3(3):191-197. doi: 10.1001/jamacardio.2017.5064. PubMed PMID: 29344620; PubMed Central PMCID: PMC5885887.

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15. Farias-Godoy A, Chan S, Claydon VE, **Ignaszewski A**, Mendell J, Park JE, Singer J, **Lear SA**. The Impact of Reduced Cardiac Rehabilitation on Maximal Treadmill Exercise Time: A RANDOMIZED CONTROLLED TRIAL. *J Cardiopulm Rehabil Prev*. 2018 Jan;38(1):24-30. doi: 10.1097/HCR.0000000000000269. PubMed PMID: 28885279.
16. Francois ME, **Pistawka KJ**, **Halperin FA**, Little JP. Cardiovascular benefits of combined interval training and post-exercise nutrition in type 2 diabetes. *J Diabetes Complications*. 2018 Feb;32(2):226-233. doi:10.1016/j.jdiacomp.2017.10.002. Epub 2017 Nov 29. PubMed PMID: 29198993.
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20. Hansson NC, **Leipsic J**, Pugliese F, Andersen HR, Rossi A, Simonato M, Jensen KT, Christiansen EH, Terkelsen CJ, Blanke P, Tang M, Krusell LR, Klaaborg KE, Terp K, Kennon S, Dvir D, Bøtker HE, **Webb J**, Nørgaard BL. Aortic valve and left ventricular outflow tract calcium volume and distribution in transcatheter aortic valve replacement: Influence on the risk of significant paravalvular regurgitation. *J Cardiovasc Comput Tomogr*. 2018 Feb 15. pii:S1934-5925(18)30026-1. doi: 10.1016/j.jcct.2018.02.002. [Epub ahead of print] PubMed PMID: 29519754.
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- Scientific Statement From the American Heart Association. *Circulation*. 2018 Feb 22. pii: CIR.0000000000000564. doi: 10.1161/CIR.0000000000000564. [Epub ahead of print] Review. PubMed PMID:29472380.
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 26. **Mancini GBJ**, Fleetham JA. Does Chronic Obstructive Pulmonary Disease Cause Cardiovascular Disease? Hypertension. 2018 Mar;71(3):409-410. doi:10.1161/HYPERTENSIONAHA.117.10277. Epub 2018 Jan 22. PubMed PMID: 29358456.
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 28. **Mancini GBJ**. Cardiovascular Risk Reduction and Male Sexual Health: No Free Ride. *Can J Cardiol*. 2018 Jan;34(1):4-5. doi: 10.1016/j.cjca.2017.10.022. PubMed PMID: 29275881.
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42. **Webb JG**, Sathanathan J. Left Bundle Branch Block and New Permanent Pacemaker Implantation After Transcatheter Aortic Valve Replacement: Are They Benign? *JACC Cardiovasc Interv*. 2018 Feb 12;11(3):311-313. doi: 10.1016/j.jcin.2017.11.021. PubMed PMID: 29413245.
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The next quarterly **UBC Cardiology Research News** will come out mid-July 2018 and will include April to June 2018 achievements.

You are invited to submit brief details of any Publications, Grants awarded, Invited Lectures at Other Institutions and any Awards or Distinctions received during April-June 2018 for the next issue – deadline end of June 2018

Your research achievements welcomed at any time

Please send to Faye Pedersen (faye.pedersen@vch.ca)

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