

# UBC Cardiology Research News

## In This Issue:

1. **Message from the Research Director**
2. **Awards & Distinctions**
3. **Grants Awarded**
4. **Invited Presentations**
5. **Publications**

Reporting October – December 2015

### Message from Research Director

Dear Colleagues:

With the first newsletter of 2016, I'd like to extend best wishes for continued success in what I am sure will be another outstanding year of research productivity. Congratulations to the newest CAPP Pilot Awardees, Drs. Bennett and Laksman, to Dr. Grewal for completing her CAPP Award and to Drs. Davis and Toma for demonstrating enough progress to warrant continuation into their second year of funding.

The Research Committee will be pursuing several goals of importance this year including better promulgation and awareness of the Terms of Reference for the CAPP Awards and the availability of funds for Statistical Support. The former provides advice of value to all investigators as well as a timeline to consider when contemplating a research proposal submission. The Statistical Support outlines resources available in our community, a process for accessing statistical software and a mechanism to engage and fund statisticians at the earliest stages of project development to ensure appropriateness, enhance quality and ensure efficient data analysis. I have communicated directly with provincial colleagues to entertain the notion of "made in BC ideas" that can be executed as a provincial group. There is receptivity for this concept and plans are beginning for a specific project in the fundamental area of assessment of chest pain, a theme that should engage all interested cardiologists in the province.

Another major initiative will be to create an action plan that will guide us in creating more research infrastructure to facilitate development and submission of grants. As always, direct input would be welcomed regarding these and other topics. Please also go to [www.ubccardio.com](http://www.ubccardio.com) and click the Research tab to access forms or to see descriptions of current services.

Warmest and best wishes for a successful 2016!

Sincerely:

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

### Awards & Distinctions

**Hadi, Haidar** and Horvat, Dan: Innovators of the Year, Prince George Citizen Healthier You Award 2015: for the Development of Northern RACE (Rapid Access to Clinical Expertise) Line. Award presented November 13, 2015.

### Grants Awarded

**Bennett, Matthew.** Discovery Analysis to Assess Genomic Markers of Acquired QT Prolongation. UBC Division of Cardiology Academic Practice Plan Pilot Project Competition – November 2015.

**Davis, Margot.** Cardiovascular Outcomes and Healthcare Utilization Among Breast Cancer Survivors in British Columbia. VGH Division of Cardiology Research Fund Extension – November 2015.

**Davis, Margot.** Biomarkers Associated with Hypertension in Cancer Patients Receiving Inhibitors of the VEGF Signaling Pathway. UBC Division of Cardiology Academic Practice Plan Pilot Project Extension – November 2015.

**Laksman, Zachary.** PERSONALIZED AF – Identification of gene based atrial fibrillation sub phenotypes. UBC Division of Cardiology Academic Practice Plan Pilot Project Competition – November 2015.

**Sedlak, Tara (PI), Galway S, Humphries K.** Cardiac Medication Use Post-Catheterization in Patients Undergoing Coronary Angiography for Suspected Ischemia with No Obstructive Coronary Artery Disease. Winner of VGH Division of Cardiology Research Funds 2015.

**Toma, Mustafa.** Complement-related Biomarkers for the Diagnosis of Cardiac Allograft Vasculopathy. UBC Division of Cardiology Academic Practice Plan Pilot Project Extension – November 2015.

## Invited Presentations

### Grewal, Jasmine

- Systemic Complications in the ACHD population Workshop. CCC Toronto ON, October 2015
- Maternal and Fetal Outcomes of Pregnancies Complicated by Premature Ventricular Complexes. American Heart Association Meeting, Orlando FL, November 2015

### Krahn, Andrew

- Panel Discussion: AAD therapy for inherited arrhythmia syndromes. Annual International Symposium on Ventricular Arrhythmias. October 9, 2015
- Session: Brugada Syndrome: What's New? Venice Arrhythmias, October 16, 2015
- Chairman: Long QT Syndrome: What's New? Venice Arrhythmias, October 16, 2015
- Speaker: Syncope in the Channelopathies: What Can Gene Studies Teach Us? Venice Arrhythmias, October 16, 2015
- Session: Syncope: Dilemmas. October 16, 2015 Venice Arrhythmias, October 16, 2015
- Effective Use of Data to Impact Quality. CCC, Toronto ON, October 24-26, 2015
- Workshop - EXERCISE IN THE MIDDLE-AGED ADULT. CCC, Toronto ON, October 25, 2016
- WORKSHOP SYNCOPE AND DRIVING AND OTHER AMUSING DILEMMAS. CCC, Toronto ON, October 26, 2015
- Session Title: Inherited Arrhythmias: State of the Art. AHA, Orlando, FL, November 9, 2015
- Clinical Diagnosis of LQTS. Genetics 7: Latest in the Clinical and Genetic Aspects of Congenital LQTS. APHRS, Melbourne, Australia, November 20, 2015
- Chair: SCD 2: Sudden Cardiac Death at a Population Level. APHRS, Melbourne, Australia, November 19-22, 2015.
- Genetic Screening and SCD. SCD 4: Channelopathies and Sudden Cardiac Death. APHRS, Melbourne, Australia, November 21, 2015
- Heart & Stroke Leadership Meeting. Vancouver BC, December 12, 2015

### Mancini, GB John

- Expert Forum on New Lipid Therapies: Real Life Cases from Clinical Practice. Canadian Cardiovascular Congress, Toronto, ON, October 25, 2015
- Primary and Secondary Prevention of CVD: Focus on Type 2 Diabetes Mellitus. Cardiology Grand Rounds, Regina General Hospital, Regina, Saskatchewan November 18, 2015
- Statins PCSK9 Agents and CVD Prevention in Diabetes. 12th Annual Live Well with Diabetes Conference, Vancouver BC, November 20, 2015
- CVD Management in the Post Statin Era – clinical implication of new lipid lowering therapies. 29th Annual Cardiovascular Update for the Practicing Physician, Edmonton AB, November 21, 2015
- CVD Prevention in the Post-Statins Era. Cardiology Grand Round, Kelowna General Hospital, Kelowna BC, November 26, 2015

### Saw, Jacqueline

- Percutaneous LAA Closure: Tzu Chi Taipei Hospital, Taiwan (Oct2015)
- Update on SCAD: Society for Women's Health Research Conference, North Carolina (Oct2015)
- LAA Closure, When & How: Women in Electrophysiology (Medtronic) Meeting, Phoenix (Oct2015)

- ITC and Demonstration Theater - LAA and MitraClip (Discussant): TCT 2015 (Oct2015)
- ITC and Demonstration Theater - LAA and MitraClip (ACP lecturer): TCT 2015 (Oct2015)
- LAA Closure: Indications, Technique, and Outcomes (Discussant): TCT 2015 (Oct2015)
- LAA Closure: Indications, Technique, and Outcomes (Challenging Case Presenter): TCT (Oct2015)
- Oral Abstract Session: LAA Closure and Mitral Valve Disease (Moderator): TCT 2015 (Oct2015)
- Oral Abstract Session: LAA Closure and Mitral Valve Disease (CT Comparison): TCT (Oct2015)
- Live Cases: Mitral Valve Interventions and LAA Closure (Discussant): TCT 2015 (Oct2015)
- What I do for post-LAA occlude care: i2C Meeting Toronto (Oct2015)
- Cost-effectiveness of LAA closure: Boston Scientific LAA Meeting CCC 2015 (Oct2015)
- Moderator for WATCHMAN advisory board small group session: Paris (Oct2015)
- Population studies for PAD (co-moderator): AHA 2015 (Nov2015)
- Canadian WATCHMAN multi-center experience: AHA 2015 (Nov2015)
- The link between coronary dissection and FMD: AHA 2015 (Nov2015)
- Who needs a LAA closure? EIC 17th Conference, Whistler (Dec2015)

### Sedlak, Tara

- Heart & Stroke Foundation Women's Heart Health Event in Kelowna: Research update on women and heart disease. 2015

### Wood, David

- "Management of PFO for Stroke Prevention", 17th Annual Western Stroke Conference, Vancouver, November, 2015
- Presenter, Great TAVI Debate Session, Defense Team, Canadian Cardiovascular Congress, Toronto, October, 2015
- Live Case Operator, Aortic Valve and Structural Heart Disease, TCT, San Francisco, October, 2015
- Digital Panelist, Live Cases: Heart Failure, Mitral, and Tricuspid Valve Interventions. TCT, San Francisco, October, 2015
- Routine Early Revascularization May be the Next COURAGE: Wait for the COMPLETE Answer! Knights of the Roundtable 2015: Stop the Madness!, TCT, San Francisco, October, 2015.
- Case Presenter, High Risk for Coronary Occlusion and TAVR, Transcatheter Aortic Valve Therapies; Today and Tomorrow. TCT, San Francisco, October, 2015
- Complete vs Incomplete Revascularization", International Session: What is Your Best Strategy for Treatment of Multivessel CAD? TCT, San Francisco, October, 2015.
- Discussant, STEMI, Shock and Cardiac Arrest: Breathrough Discoveries, Unsettled Issues and Emerging Approaches. TCT, San Francisco, October, 2015
- Next day discharge TAVI? A how to for programs", Canadian TAVI Program Development Symposium, Toronto, October, 2015

## PUBLICATIONS

1. Amat-Santos IJ, Messika-Zeitoun D, Eltchaninoff H, Kapadia S, Lerakis S, Cheema AN, Gutiérrez-Ibanes E, Munoz A, Pan M, **Webb JG**, Herrmann H, Kodali S, Nombela-Franco L, Tamburino C, Jilaihawi H, Masson JB, Sandoli de Brito F, Cristina Ferreira M, Lima VC, Mangione JA, lung B, Vahanian A, Durand E, Tuzcu M, Hayek SS, Angulo-Llanos R, Gómez-Doblas JJ, Castillo JC, Dvir D, Leon MB, Garcia E, Cobiella J, Barbanti M, Makkar R, Barbosa Ribeiro H, Urena M, Dumont E, Pibarot P, Lopez J, Roman AS, Rodés-Cabau J. Response to Letters Regarding Article, "Infective Endocarditis After Transcatheter Aortic Valve

- Implantation: Results From a Large Multicenter Registry". *Circulation*. 2015 Dec 8;132(23):e372-4. doi: 10.1161/CIRCULATIONAHA.115.018432. PubMed PMID: 26644254.
2. **Andrade JG, Krahn AD**, Skanes AC, Purdham D, Ciaccia A, Connors S. Values and Preferences of Physicians and Patients with Nonvalvular Atrial Fibrillation who Receive oral Anticoagulation Therapy for Stroke Prevention. *Can J Cardiol*. 2015 Nov 10. PMID:26774235
  3. Angaran P, Dorian P, Tan MK, **Kerr CR**, Green MS, Gladstone DJ, Mitchell LB, Fournier C, Cox JL, Talajic M, Lin PJ, Langer A, Goldin L, Goodman SG. The Risk Stratification and Stroke Prevention Therapy Care Gap in Canadian Atrial Fibrillation Patients. *Can J Cardiol*. 2015 Oct 9. pii: S0828-282X(15)00540-1. doi:10.1016/j.cjca.2015.07.012. [Epub ahead of print] PubMed PMID: 26476851.\
  4. Avgil Tsadok M, Jackevicius CA, Rahme E, **Humphries KH**, Pilote L. Sex Differences in Dabigatran Use, Safety, And Effectiveness in a Population-Based Cohort of Patients with Atrial Fibrillation. *Circ Cardiovasc Qual Outcomes*. 2015 Dec;8(6):593-9.
  5. Balmain S, **Hawkins NM**. Shocks, Resynchronization, or Both for Elderly Patients with Heart Failure? *J Card Fail*. 2015 Dec 11. pii: S1071-9164(15)01211-7. doi:10.1016/j.cardfail.2015.12.002. [Epub ahead of print] PubMed PMID: 26687986.
  6. Banner D, **Lear S**, Kandola D, Singer J, Horvat D, Bates J, **Ignaszewski A**. The experiences of patients undertaking a 'virtual' cardiac rehabilitation program. *Stud Health Technol Inform*. 2015;209:9-14. PubMed PMID: 25980699.
  7. Barbash IM, Barbanti M, **Webb J**, Molina-Martin De Nicolas J, Abramowitz Y, Latib A, Nguyen C, Deuschl F, Segev A, Sideris K, Buccheri S, Simonato M, Rosa FD, Tamburino C, Jilaihawi H, Miyazaki T, Himbert D, Schofer N, Guetta V, Bleiziffer S, Tchetché D, Immè S, Makkar RR, Vahanian A, Treede H, Lange R, Colombo A, Dvir D. Comparison of vascular closure devices for access site closure after transfemoral aortic valve implantation. *Eur Heart J*. 2015 Dec 14;36(47):3370-9. doi: 10.1093/eurheartj/ehv417. Epub 2015 Aug 26. PubMed PMID:26314688.
  8. Birnie D, Ha AC, Gula LJ, **Chakrabarti S**, Beanlands RS, Nery P. Cardiac Sarcoidosis. *Clin Chest Med*. 2015 Dec;36(4):657-68. doi:10.1016/j.ccm.2015.08.008. Epub 2015 Sep 11. Review. PubMed PMID:26593140
  9. Blanke P, Naoum C, **Webb J**, Dvir D, Hahn RT, Grayburn P, **Moss RR**, Reisman M, Piazza N, **Leipsic J**. Multimodality Imaging in the Context of Transcatheter Mitral Valve Replacement: Establishing Consensus Among Modalities and Disciplines. *JACC Cardiovasc Imaging*. 2015 Oct;8(10):1191-208. doi:10.1016/j.jcmg.2015.08.004. Review. PubMed PMID: 26481845.
  10. Campelo-Parada F, Perlman G, Philippon F, Ye J, **Thompson C**, Bédard E, Abdul-Jawad Altisent O, Del Trigo M, **Leipsic J**, Blanke P, Dvir D, Puri R, **Webb JG**, Rodés-Cabau J. First-in-Man Experience of a Novel Transcatheter Repair System for Treating Severe Tricuspid Regurgitation. *J Am Coll Cardiol*. 2015 Dec 8;66(22):2475-83. doi: 10.1016/j.jacc.2015.09.068. Epub 2015 Oct 11. PubMed PMID:26653620.
  11. Cantor WJ, Mehta SR, Yuan F, Džavík V, Worthley M, Niemelä K, Valentin V, **Fung A**, Cheema AN, Widimsky P, Natarajan M, Jedrzejowski B, Jolly SS. Radial versus femoral access for elderly patients with acute coronary syndrome undergoing coronary angiography and intervention: insights from the RIVAL trial. *Am Heart J*. 2015 Nov;170(5):880-6. doi: 10.1016/j.ahj.2015.08.011. Epub 2015 Aug 16. PubMed PMID: 26542495.
  12. **Chakrabarti S, Deyell M**. Friendly Fire During RF: Be Firm But Gentle! *J Cardiovasc Electrophysiol*. 2015 Dec 12. doi: 10.1111/jce.12894. [Epub ahead of print] PubMed PMID: 26661509.
  13. Chou AY, Prakash R, Rajala J, Birnie T, **Isserow S, Taylor CM, Ignaszewski A**, Chan SY, Starovoytov A, **Saw J**. Dedicated Cardiac Rehabilitation Program for Patients with Spontaneous Coronary Artery Dissection. *Can J Cardiol* 2016 (in press).
  14. Del Trigo M, Dahou A, **Webb JG**, Dvir D, Puri R, Abdul-Jawad Altisent O, Campelo-Parada F, **Thompson C, Leipsic J**, Stub D, DeLarochelière R, Paradis JM, Dumont E, Doyle D, Mohammadi S, Pasian S, Côté M, Pibarot P, Rodés-Cabau J. Self-expanding Portico Valve Versus Balloon-expandable SAPIEN XT Valve in Patients With Small Aortic Annuli: Comparison

- of Hemodynamic Performance. *Rev Esp Cardiol (Engl Ed)*. 2015 Dec 28. pii: S1885-5857(15)00370-9. doi:10.1016/j.rec.2015.08.019. [Epub ahead of print] PubMed PMID: 26739827.
15. Fahmy P, Spencer R, Tsang M, Gooderham P, **Saw J**. Left Atrial Appendage Closure for Atrial Fibrillation is Safe and Effective Following Intracranial or Intraocular Hemorrhage. *Can J Cardiol* 2015 (in press).
  16. Fordyce CB, **Cairns JA**, Singer J, Lee T, Park JE, Vandegriend RA, Perry M, Largy W, Gao M, **Ramanathan K**, **Wong GC**. Evolution and Impact of a Regional Reperfusion System for ST-Elevation Myocardial Infarction, *Canadian Journal of Cardiology* (2016), doi: 10.1016/j.cjca.2015.11.026.
  17. Gottschalk BH, Anselm DD, Brugada J, Brugada P, Wilde AA, Chiale PA, Perez-Riera AR, Elizari MV, De Luna AB, **Krahn AD**, Tan HL, Postema PG and Baranchuk A. Expert cardiologists cannot distinguish between Brugada phenocopy and Brugada syndrome electrocardiogram patterns. *Europace*. 2015 Oct 25. PMID:26498159
  18. Hansson NC, Norgaard BL, Barbanti M, Nielsen NE, Yang TH, Tamburino C, Dvir D, Jilaihawi H, Blanke P, Makkar RR, Latib A, Colombo A, Tarantini G, Raju R, **Wood D**, Anderson HR, Ribeiro HB, Kapadia S, Min J, Feuchtner G, Gurvitch R, Alqoofi F, Pelletier M, Ussia GP, Napodano M, Sandoli de Brito F, Kodali S, Pache G, Canovas SJ, Berger A, Murphy D, Svensson LG, Rodes-Cabau J, Leon MB, **Webb JG**, Leipsic J. The Impact of Calcium Volume and Distribution in Aortic Root Injury Related to Balloon-Expandable Transcatheter Aortic Valve Replacement. *J Cardiovasc Comput Tomogr*. Sept-Oct 2015;9:382-92.
  19. **Hawkins NM**, **Virani SA**, Sperrin M, Buchan IE, McMurray JJ and **Krahn AD**. Predicting heart failure decompensation using cardiac implantable electronic devices: a review of practices and challenges. *Eur J Heart Fail*. 2015 Dec 14. PMID:26663507.
  20. Holmes JW, **Laksman Z**, Gepstein L. Making better scar: Emerging approaches for modifying mechanical and electrical properties following infarction and ablation. *Prog Biophys Mol Biol*. 2015 Nov 23. pii: S0079-6107(15)00205-9. doi:10.1016/j.pbiomolbio.2015.11.002. [Epub ahead of print] PubMed PMID:26615948.
  21. Jolly SS, **Cairns JA**, Yusuf S, Rokoss MJ, Gao P, Meeks B, Kedev S, Stankovic G, Moreno R, Gershlick A, Chowdhary S, Lavi S, Niemela K, Bernat I, Cantor WJ, Cheema AN, Steg PG, Welsh RC, Sheth T, Bertrand OF, Avezum A, Bhindi R, Natarajan MK, Horak D, Leung RC, Kassam S, Rao SV, El-Omar M, Mehta SR, Velianou JL, Pancholy S, Džavik V; TOTAL Investigators. Outcomes after thrombus aspiration for ST elevation myocardial infarction: 1-year follow-up of the prospective randomised TOTAL trial. *Lancet*. 2015 Oct 12. pii: S0140-6736(15)00448-1. doi:10.1016/S0140-6736(15)00448-1. [Epub ahead of print] PubMed PMID: 26474811.
  22. Kron J, Sauer W, Mueller G, Schuller J, Bogun F, Sarsam S, Rosenfeld L, Mitiku TY, Cooper JM, Mehta D, Greenspon AJ, Ortman M, Delurgio DB, Valadri R, Narasimhan C, Swapna N, Singh JP, Danik S, Markowitz SM, Almquist AK, **Krahn AD**, Wolfe LG, Feinstein S, Ellenbogen KA and Crawford T. Outcomes of patients with definite and suspected isolated cardiac sarcoidosis treated with an implantable cardiac defibrillator. *J Interv Card Electrophysiol*. 2015 Jun;43(1):55-64. PMID:25676929
  23. **Laksman ZW** and **Krahn AD**. Fast and spurious: Correcting the QT interval. *Heart Rhythm*. 2015 Nov 17. PMID:26598321
  24. Lauck S, Gibson J, Baumbusch J, Carroll S, Achtem L, Kimmel G, Nordquist C, Cheung A, **Boone R**, Ye J, **Wood DA**, **Webb JG**. Transition to palliative care when transcatheter aortic valve implantation is not an option: Opportunities and recommendations. *Current Opinion in Supportive & Palliative Care*. In Press, Nov, 2015.
  25. Lauck SB, Baumbusch J, Achtem L, Forman JM, Carroll SL, Cheung A, Ye J, **Wood DA**, **Webb JG**. Factors Influencing the Decision of Older Adults to be Assessed for Transcatheter Aortic Valve Implantation: An Exploratory Study. *Eur J Cardiovasc Nurs*. 2015 Oct 23. PMID 26498909 (Epub ahead of print)



26. Le May M, van Diepen S, Liskowski M, Schnell G, Tanguay J-F, Granger CB, Ainsworth C, Diodati JG, Fam N, Haichin R, Jassal D, Overgaard C, Tymchak W, Tyrrell B, Osborne C, **Wong G**, Perspective on Canadian Coronary Care Units: Recommendations for Organizational, Staffing, and Educational Transformation, *Canadian Journal of Cardiology* (2016), doi: 10.1016/j.cjca.2015.11.021.
27. **Lear SA**, Singer J, Banner-Lukaris D, Horvat D, Park JE, Bates J, **Ignaszewski A**. Improving access to cardiac rehabilitation using the internet: a randomized trial. *Stud Health Technol Inform.* 2015;209:58-66. PubMed PMID: 25980706.
28. Lindman BR, Zajarias A, Maniar HS, Miller DC, Suri RM, Arnold SV, **Webb J**, Svensson LG, Kodali S, Xu K, Ayele GM, Lin F, Wong SC, Babaliaros V, Thourani VH, Douglas PS, Lim S, Leon MB, Mack MJ. Risk stratification in patients with pulmonary hypertension undergoing transcatheter aortic valve replacement. *Heart.* 2015 Oct;101(20):1656-64. doi: 10.1136/heartjnl-2015-308001. Epub 2015 Aug 11. PubMed PMID: 26264371; PubMed Central PMCID: PMC4620051.
29. Longtin Y, Connolly SJ and **Krahn AD**. Letter by Longtin et al regarding article, "Rates of and factors associated with infection in 200 909 Medicare implantable cardioverter-defibrillator implants: results from the National Cardiovascular Data Registry". *Circulation.* 2015 Jun 2;131(22):e517. PMID: 26034090
30. Macle L, **Andrade JG**. Evidence-Based Anticoagulation Decision Making for Atrial Fibrillation-How We Are Doing? (Maybe Not So Well?). *Can J Cardiol.* 2015 Oct 9. pii: S0828-282X(15)00481-X. doi: 10.1016/j.cjca.2015.06.025. [Epub ahead of
31. Macle L, **Cairns JA, Andrade JG**, Mitchell LB, Nattel S, Verma A; CCS Atrial Fibrillation Guidelines Committee. The 2014 Atrial Fibrillation Guidelines Companion: A Practical Approach to the Use of the Canadian Cardiovascular Society Guidelines. *Can J Cardiol.* 2015 Oct;31(10):1207-18. doi:10.1016/j.cjca.2015.06.005. PubMed PMID: 26429352.
32. **Mancini GBJ**, Howlett JG, Borer J, Liu PP, Mehra MR, Pfeffer M, Swedberg K, Tardif JC. Pharmacologic Options for the Management of Systolic Heart Failure: Examining Underlying Mechanisms. *Can J Cardiol.* 2015 Oct print] PubMed PMID: 26476850.
33. Mok M, Allende R, **Leipsic J**, Altisent OA, Del Trigo M, Campelo-Parada F, DeLarochelière R, Dumont E, Doyle D, Côté M, Freeman M, **Webb J**, Rodés-Cabau J. Prognostic Value of Fat Mass and Skeletal Muscle Mass Determined by Computed Tomography in Patients Who Underwent Transcatheter Aortic Valve Implantation. *Am J Cardiol.* 2015 Dec 13. pii: S0002-9149(15)02365-6. doi: 10.1016/j.amjcard.2015.12.015. [Epub ahead of print] PubMed PMID: 26754122.
34. Rayner-Hartley E, Chou A, **Saw J, Sedlak T**. A case of Kounis Type I in a young female with Samter's triad. *CJC* 2016 (in press).
35. **Saw J**, Cheng A, Hijazi ZM. Nonpharmacologic therapy to prevent embolization in patients with atrial fibrillation. In: UpToDate, Post TW (Ed), UpToDate, Waltham, MA. (Book Chapter)
36. Saw J, Fahmy P, DeJong P, Lempereur M, Spencer R, Tsang M, gin K, Jue J, Mayo J, McLaughlin P, Nicolaou S. Cardiac CT angiography for device surveillance after endovascular left atrial appendage closure. *Eur Heart J Cardiovasc Imaging.* 2015 Nov;16(11):1198-206. PMID:25851318
37. **Saw J**, Fahmy P, Spencer RJ, Prakash R, McLaughlin P, Nicolaou S, **Tsang M**. Comparing Measurements of CT Angiography, TEE, and Fluoroscopy of the Left Atrial Appendage for Percutaneous Closure. *J Cardiovasc Electrophysiol* 2016 (in press).
38. **Saw J**, Kar S, Price M. Left Atrial Appendage Closure: Mechanical Approaches to Stroke Prevention in Atrial Fibrillation. Springer 2015. (Textbook)
39. **Saw J**, Lopes JP, Reisman M, McLaughlin P, Nicolau S, Bezerra HG. CT Angiography for Left Atrial Appendage Closure. *Can J Cardiol* 2015 (in press).
40. **Saw J**. Spontaneous Coronary Artery Dissection: Editorial. *Interv Card Review* 2015 (invited, in press).

41. Sedlis SP, Hartigan PM, Teo KK, Maron DJ, Spertus JA, **Mancini GB**, Kostuk W, Chaitman BR, Berman D, Lorin JD, Dada M, Weintraub WS, Boden WE; COURAGE Trial Investigators. Effect of PCI on Long-Term Survival in Patients with Stable Ischemic Heart Disease. *N Engl J Med*. 2015 Nov 12;373(20):1937-46. doi:10.1056/NEJMoa1505532. PubMed PMID: 26559572
42. Smolina K, Ball L, **Humphries KH**, Khan N, Morgan SG. Sex Disparities in Post-Acute Myocardial Infarction Pharmacologic Treatment Initiation and Adherence: Problem for Young Women. *Circ Cardiovasc Qual Outcomes*. 2015 Dec 8;(6):586-92.
43. Soofi MA, **Ignaszewski MT**, Ashton TH, Miyagishima RT. Longest follow-up of in situ working Bjork Shiley valve: 42-year follow-up. *Interact Cardiovasc Thorac Surg*. 2015 Dec 18. pii: ivv348. [Epub ahead of print] PubMed PMID: 26686528.
44. Spencer RJ, DeJong P, Fahmy P, Lempereur M, **Tsang MYC**, **Gin KG**, **Lee PK**, **Nair P**, **Tsang TSM**, **Jue J**, **Saw J**. Changes in left atrial appendage dimensions following volume loading during percutaneous left atrial appendage closure. *JACC Cardiovasc Interv* 2015;8:1935-1941. *Cardiomyopathy – A Case Series*. *Can J Cardiol* 2015;31:1410.e5.
45. Steinberg C, Padfield GJ, Hahn E, Flavelle S, McIlroy C, Van Bremen O, Yeung-Lai-Wah JA, **Kerr CR**, **Deyell MW**, Tung SK, **Andrade JG**, **Bennett MT**, Bashir JG, **Krahn AD** and **Chakraborti S**. Lead Integrity Alert Is Useful for Assessment of Performance of Biotronik Linx Leads. *J Cardiovasc Electrophysiol*. 2015 Dec;26:1340-1345.
46. Stub T, Chan A, Cheung A, Cook R, Della Siega A, Leipsic J, Charania J, Latham T, Dvir D, Robinson S, Wong D, **Wood D**, Ye J, Lee M, **Humphries K**, Lauck S, Thompson C, **Webb J**. Regional Systems of Care to Optimize Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement (TAVR). *JACC Cardiovasc Int*. December 2015;8 (15) 1944-51. <http://dx.doi.org/10/1016/j.jcin.2015.09.17>
47. Stub D, Lauck S, Lee M, Gao M, **Humphries K**, Chan A, Cheung A, Cook R, Della Siega A, **Leipsic J**, Charania J, Dvir D, Latham T, Polderman J, **Robinson S**, Wong D, **Thompson CR**, **Wood D**, Ye J, **Webb J**. Regional Systems of Care to Optimize Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement. *JACC Cardiovasc Interv*. 2015 Dec 28;8(15):1944-51. doi:10.1016/j.jcin.2015.09.017. PubMed PMID: 26738663.
48. Tan JS, **Leipsic J**, Perlman G, Stub D, Dvir D, Hansson NC, Norgaard BL, Blanke P, Cheung A, Ye J, Thompson CR, **Moss RR**, Lauck S, **Wood D**, **Webb J**. A Strategy of Underexpansion and Ad Hoc Post-Dilation of Balloon-Expandable Transcatheter Aortic Valves in Patients at Risk of Annular Injury: Favorable Mid-Term Outcomes. *JACC Cardiovasc Interv*. 2015 Nov;8(13):1727-32. doi: 10.1016/j.jcin.2015.08.011. Epub 2015 Oct 14. PubMed PMID: 26476612.
49. Tzikas A, Gafoor S, Meerkin D, Freixa X, Cruz-Gonzalez I, Lewalter T, **Saw J**, Berti S, Nielsen-Kudsk J, Ibrahim R, Lakkireddy D, Paul V, Arzamendi D, Nietlispach F, Worthley S, Hildick-Smith D, Thambo J.B., Tondo C, Aminian A, Kalarus Z, Schmidt B, Sondergaard L, Kefer J, Meier B, Park JW, Sievert H, Omran H. Left Atrial Appendage Occlusion with the Amplatzer Amulet: an expert consensus step-by-step approach. *Eurointerv* 2016 (in press).
50. **Webb JG**, Doshi D, Mack M, Makkar R, Smith C, Pichard A, Kodali S, Kapadia S, Miller C, Babaliaros V, Thourani V, Herrmann H, Bodenhamer M, Whisenant B, Rame S, Maniar H, Kereiakes D, Jaber W, Menon V, Tuzcu E, **Wood D**, Leon M. A Randomized Evaluation of the SAPIEN XT Transcatheter Heart Valve System in Patients with Aortic Stenosis Who Are Not Candidate for Surgery. *J Am Coll Cardiol Int* December 2015;8(14):1797-1806. <http://dx.doi.org/10.1016/j.jcin.2015.08.017>
51. **Webb J**, Jackson T, Claridge S, Sammut E, Behar J, Carr-White G. Management of heart failure with preserved ejection fraction. *Practitioner*. 2015 Oct;259(1786):21-4, 2-3. PubMed PMID: 26738248.
52. **Webb JG**, Htun N. Transcatheter Options for the Treatment of Noncalcified Aortic Regurgitation. *JACC Cardiovasc Interv*. 2015 Dec 21;8(14):1850-3. doi:10.1016/j.jcin.2015.10.004. Epub 2015 Nov 18. PubMed PMID: 26604060.

53. Weitz JI, Semchuk W, Turpie AG, Fisher WD, Kong C, Ciaccia A, **Cairns JA**. Trends in Prescribing Oral Anticoagulants in Canada, 2008-2014. Clin Ther. 2015 Nov 1;37(11):2506-2514.e4. doi: 10.1016/j.clinthera.2015.09.008. Epub 2015 Oct 16. PubMed PMID: 26481493.
54. **Wood DA**. Could a "Simplified" Transcatheter Aortic Valve Replacement Procedure Eliminate Post-Operative Delirium? J Am Coll Cardiol Interv. January 2016;9(2):169. doi:10.1016/j.jcin.2015.12.002.
55. Ye J, Cheung A, Yamashita M, **Wood D**, Peng D, Gao M, Thompson CR, **Munt B**, **Moss RR**, Blanke P, **Leipsic J**, Dvir D, **Webb JG**. Transcatheter Aortic and Mitral Valve-in-Valve Implantation for Failed Surgical Bioprosthetic Valves: An 8-Year Single-Center Experience. JACC Cardiovasc Interv. 2015 Nov;8(13):1735-44. doi: 10.1016/j.jcin.2015.08.012. Epub 2015 Oct 14. PubMed PMID: 26476608.

---

The next quarterly **UBC Cardiology Research News** will come out mid-April 2016 and will include January to March 2016 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 January-March 2016 for the next issue – deadline end of March 2016

Your research achievements welcomed at any time

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

UBC Division of Cardiology Research Office

Diamond Health Care Centre, 2775 Laurel Street – 9<sup>th</sup> Floor, Vancouver, BC V5Z 1M9

Tel: 604-875-4111 Ext 69821