

UBC Cardiology Research News

Reporting July-Sept 2014

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Message from Research Director:

Dear Colleagues:

It gives us great pleasure to provide the first volume of the UBC Cardiology Research News.

We hope to celebrate the on-going successes of our Division on a regular and timely basis and hope that you enjoy being kept up to date about these activities.

We are currently limited to collating achievements that we have been notified about. But we hope to cast the net more broadly and "automatically" going forward.

In the meantime, we greatly appreciate your willingness to notify us of these important activities so that the kudos can be as comprehensive and as current as possible.

Congratulations to all.

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

Publications

Brunner NW, Skhiri M, Fortenko O, Hsi A, Haddad F, Zamanian RT. Impact of insulin resistance on ventricular function in pulmonary arterial hypertension. *J Heart Lung Transplant* 2014 Jul (33):7:721-6.

Davis MK, Ha R, Banerjee D. The Presence of Air Bubbles in the Aorta of a Patient with a HeartMate II Left Ventricular Assist Device: A Novel Sign of Outflow Graft Obstruction. *ASAIO J.* 2014 Sep-Oct;60(5):600-2.

Cheung AW, White CW, **Davis MK**, Freed DH. Short-term mechanical circulatory support for recovery from acute right ventricular failure: clinical outcomes. *J Heart Lung Transplant.* 2014 Aug;33(8):794-9.

Grewal J, Silversides CK, Colman JM. Pregnancy in women with heart disease: risk assessment and management of heart failure. *Heart Fail Clin* 2014;10(1):117-29.

Krahn AD, Morissette J, Lahm R, Haddad T, Baxter W, McVenes R, Crystal E, Ayala-Paredes F, Cameron D, Verma A, Simpson CS, Exner DV, Birnie DH. Radiographic Predictors of Lead Conductor Fracture. *Circ Arrhythm Electrophysiol.* 2014.

Lempereur M, **Grewal J**, **Saw J**. Spontaneous coronary artery dissection associated with beta HCG injections and fibromuscular dysplasia. *Can J Cardiol* 2014;30(4):464 e 1-3.

Perrin MJ, Adler A, Green S, Al-Zoughool F, Doroshenko P, Orr N, Uppal S, Healey JS, Birnie D, Sanatani S, Gardner M, Champagne J, Simpson C, Ahmad K, van den Berg MP, Chauhan V, Backx PH, van Tintelen JP, **Krahn AD**, Gollob MH. Evaluation of Genes Encoding for the Transient Outward Current (Ito) Identifies the KCND2 Gene as a Cause of J Wave Syndrome Associated with Sudden Cardiac Death. *Circ Cardiovasc Genet.* 2014.

Mancini GBJ, Gosselin G, Chow B, Kostuk W, Stone J, Yvorchuk KJ, Abranson BL, Cartier R, **Huckell V**, Tardif J-C, Connelly K, Ducas J, Farkouh ME, Gupta M, Juneau M, O'Neill B, Raggi P, Teo K, Verma S, Zimmerman R. Canadian Cardiovascular Society Guideline for the Diagnosis and Management of Stable Ischemic Heart Diseases. *Can J Cardiol* Aug 2014 30(8):837-849 DOI: 10.1016/j.cjca.2014.05.013

C Barber, A Smith, JM Esdaile, C Barnabe, LO Martin, P Faris, G Hazlewood, R Noormohamed, N Alvarez, **GB Mancini**, D Lacaille, S Keeling, JA Avina-Zubieta, D Marshall. Best practices for cardiovascular disease prevention in rheumatoid arthritis: A systematic review of guideline recommendations and quality indicators *Arthritis Care Research* 2014 Jul 29. doi: 10.1002/acr.22419

Saw J, **Aymong E**, **Mancini GB**, **Sedlak T**, **Starovoytov A**, **Ricci D**. Nonatherosclerotic Coronary Artery Disease in Young Women. *Can J Cardiol* 2014 Jul;30(7):814-9 pii: S0828-282X(14)00042-7. doi: 10.1016/j.cjca.2014.01.011

Sedlak T, Izadnegahdar M, **Humphries KH**, and Bairey Merz C. Sex specific factors in microvascular angina. *Canadian Journal of Cardiology* 2014; 30: 747-55.

Publications

Tabarsi N, Levy R, Rychel V, **Kiess M**, Swiston J, Oakes J, **Grewal J**. Pregnancy among Women with pulmonary arterial hypertension: A Changing Landscape? Int J Cardiol 2014.

Wald RM, Altaha MA, Alvarez N, Calderone C, Drolet C, **Grewal J**, et al. Rationale and Design of the Canadian Outcomes Registry Late after Tetralogy of Fallot Repair: The CORRELATE Study. Can J Cardiol 2014.

Wheeler M, **Leipsic J**, Trinh P, **Kiess M**, **Thompson C**, **Moss R**, **Munt B**, **Grewal J**. Right Ventricular Assessment in Adult Congenital Heart Disease Patients with a RV to PA Conduit: Validation of a 3D Knowledge Based Reconstruction Method. Accepted to Journal American Society of Echocardiography.

Wijesekera VA, **Kiess M**, **Grewal J**, **Chow R**, Raju R, **Leipsic J**, Barlow A. Aortic Dissection in a patient with a dilated aortic root following tetralogy of Fallot repair. Int J Cardiol 2014;174(3):833-4.

Grants Awarded

Davis, M: VCHRI Mentored Clinician Scientist (MCS) Career Development Award - \$75,000 for 2 years.

Deyell, M: MFSHR Scholar Award -\$90,000 for 5 years

Krahn, A (Co-PI): CIHR: Resynchronization/defibrillation for Ambulatory Heart Failure Trial in patients with Permanent AF (RAFT-PermAF). \$3,265,595. 2014-2019.

Krahn, A (PI): HSFC: National Long QT Syndrome Registry and BioBank. \$224,179. 2014-2017

Lear, S (PI): CIHR: Utility of a culturally relevant or a standard exercise program to reduce visceral adipose tissue and cardiovascular disease risk in abdominally obese South Asian women \$143,086. 2014-16

Lear, S (PI): CIHR: The use of text messaging to improve the hospital-community transition and prevent readmission in patients with cardiovascular disease (Txt2Prevent). \$79,575. 2014

Mancini, J (Core Lab): Matrizyme: TOSCA- 5 CTO-210 Chronic Total Occlusion Study. \$28,500. 2014-15

Saw, J, (PI): HSF: SCAD \$299,930. 2014-17

Saw, J (PI), Humphries K & Mancini GBJM (Co-Inv): CIHR: SCAD \$450,000 2014-19

Sedlak, T: VGH Cardiology Research Award: Cardiac medication use post-catheterization ...non-obstructive CAD. \$10,000. 2014

Wood, D (PI), **Webb, J** (Co-Inv), **Cairns, J** (St Cmte), **Lauck, S** (Ops/Exec St Cmte): Industry funding (Edwards) for 10-site 400 patient 3M TAVR Study

Invited lectures at other Institutions:

Grewal, Jasmine:

- ESC Cardiac Outcomes After Pregnancy in Women with Congenital Heart Disease Sept 2014

Krahn, Andrew:

- What genetic tests are available and how do we use them appropriately? – Canadian Heart Rhythm Society Annual Meeting, Montebello, Quebec, Canada (Sep 12-14, 2014)
- Noon Rounds – “Sudden Cardiac Death: What’s Lurking in your Genes?”, UNHBC, Prince George (Jul 4, 2014)

Awards and Distinctions:

The next quarterly

UBC Cardiology Research News will come out mid-January 2015 and will include Oct-Dec 2014 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 Oct-Dec 2014

Your research achievements welcomed at any time

Please send to
Janet.Crocombe@vch.ca

Bennett, Matthew: HSF Award for National Long QT Registry & biobank (ranked 2nd highest application on the review panel, score 4.3)

Bennett, Matthew: CHRS Executive, Member at Large, 2014.

Bernstein, Victoria: YWCA Woman of Distinction in Health and Wellness 2014

Cairns, John: Order of BC

Gin, Kenneth: VA Medical Staff: Clinical Excellence Award 2014

Gin, Kenneth: CCS Executive Council Member at Large, 2014

Krahn, Andrew: CHRS Executive, Past President, 2014

Macdonald, Ian: UBC Clinical Faculty Award for Career Excellence in Clinical Teaching, 2014

Virani, Sean: Co-Chair: CCS Guideline and Position Statement: Evaluation of Patients at Risk for Cardiovascular Complications of Cancer Therapy.

Webb, John: Outstanding Achievement Award CAIC-ACCI 2014

Webb, John: Innovation and Achievement Award, Life Sciences British Columbia 2014

Webb, John: UBC Killam Prize in Science 2014.

Wood, David: Fellow of Society of Cardiovascular Computed Tomography