

UBC Cardiology Research News

Reporting October – December 2016

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Message from Research Director

Dear Colleagues:

I am very pleased to present the quarterly research newsletter to celebrate the Division's achievements over the past few months. As you can see, in addition to publication productivity, we have had excellent presence at national and international meetings, showcasing the level of talent existing within the Division and the recognition achieved for this. The publications themselves also speak to a diverse and extensive network of collaborative projects going well beyond the walls of UBC. The research office has been busy with assessing and prioritizing expressed needs of the researchers and, with the support of Dr. Krahn, a more extensive overview is being undertaken by Jody Swift. This will help us focus in on the best way to alter our research processes to ensure maximal facilitation of research within the Division. I am also pleased to report that 5 letters of intent have been received and approved for submission of full proposals to the CAPP Pilot Project competition. This is only the second time that this many pilot projects have been proposed. This speaks well to the level of creativity of the group and, with good pilot data, should make for very strong grants to external agencies in the ensuing years. Finally, we are also looking forward to our inaugural Research Review meeting on March 8 which we have created to allow aspirant grant submitters to briefly provide an overview of their projects and to receive constructive feedback from as many Division members as possible that can attend the meeting. We are very hopeful that those submitting letters of intent for CAPP Pilot Projects will take advantage of this opportunity to receive constructive peer review prior to their submissions. If time permits, investigators planning submission to external agencies will also be allowed to present. If this format is successful, we may be able to schedule this sort of feedback and peer review session regularly throughout the year. I remain humbled and gratified by the extraordinary success of the group and the sustained high level of achievement. Warmest and sincerest congratulations

Sincerely,

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

Awards & Distinctions

Grewal, Jasmine

- Appointed to CCC Scientific Program Committee – Congenital Track Chair

Grants Awarded

Mancini, G.B. John

- Carotid intima-media thickness before and after lomitapide administration. Funded by Aegerion

Wood, David

- MANTA: Clinical Study to Evaluation the Safety and Performance of MANTA Vascular Closure Device Trial.

Invited Presentations

Brunner, Nathan

- "Pulmonary hypertension: Current concepts and Guidelines" MSJ CME rounds for family practice, and RCH respiratory grand rounds. October 11, 2016

Grewal, Jasmine

- Systemic Disease in the Growing Adult Congenital Heart Disease Population, Cardiology Grand Rounds, Ottawa Heart Institute, Oct 2016
- Evolution of management of malformed hearts - Fraser Valley Cardiology Journal Club, Oct 2016
- Controversies in Pediatric Cardiology and Adult Congenital Heart Disease – "Anticoagulation in the Fontan patient", CCC Oct 2016
- CACH-Net Spotlight: "Hypo-plastic left heart syndrome", CCC Oct 2016
- "Challenges in Pregnancy Complicated by Congenital Heart Disease", CCC Oct 2016
- "Imaging The Patient With Congenital Heart Disease. A Guide for the Non Congenital Cardiologist", CCC Oct 2016

Humphries, Karin

- Invited speaker. UBC Heart and Stroke Foundation Club 8th Annual Research Night, Vancouver, BC. October 27, 2016
- Guest lecturer. Cardiovascular Diseases SPPH course 5811 Morbidity and Mortality in Developing Countries,, Vancouver, BC, October 3, 2016

Invited Presentation (cont'd)

Krahn, Andrew

- Canadian Cardiovascular Congress. Canadian Journal of Cardiology - European Heart Journal Workshop at CCC - The Secrets of Medical Publishing Revealed by The Experts: How to Optimize Your Performance. Montreal, Quebec. October 22-25, 2016
- Canadian Cardiovascular Congress. Workshop - Faints, Falls and Frailty in the Aging Patient, Montreal, Quebec. October 22-25, 2016
- Canadian Cardiovascular Congress. 15th Annual Trainee -- Presentation Title: "Meet the Editors". Montreal, Quebec. October 22-25, 2016.
- North Texas EP Society. Investigating and managing apparently unexplained cardiac arrest. Dallas, Texas. November 30, 2016
- November 15, 2016: Life Science Institute Public Talks – Staying Healthy for Heart and Stroke, The Orpheum Annex, Vancouver, BC

Mancini, G.B. John

- "Diabetes and Lowering Cardiovascular Risk" Canadian Cardiovascular Congress, Montreal, QC, October 22, 2016
- "SPRINT, New Blood Pressure Guidelines and Novel Antihypertensive Agents" Minoru Medical Education Society, Richmond, BC, Nov 1, 2016
- "The Role of Endocrinologists, Nephrologists, and Cardiologists in Lowering Cardiovascular Risk in Patients with Type 2 Diabetes Mellitus" Accredited Symposium - Multidisciplinary Diabetes Debate: A Meeting of the Minds. Canadian Diabetes Association. Ottawa. October 28, 2016
- "Precision Medicine on the Front Lines", American Heart Association Scientific Sessions, New Orleans, LA, November 15, 2016
- "Management of Statin Intolerance, Resistance and Reluctance, Cardiology Journal Club, Victoria BC. November 23, 2016.
- "Cardiology Grand Rounds – Revisiting the LDL Hypothesis in Coronary Heart Disease" Royal Jubilee Hospital, Victoria, BC, November 24, 2016.

Rabkin, Simon

- "Hypertension and Aortic Aneurysms : Towards an Understanding of the Clinical and Biological Linkage". Hypertension Canada, State of the Art, October 21, 2016

Saw, Jacqueline

- Cardiovascular Masters Program, St Jude Medical, moderator LAA sessions: New York (Oct2016)
- Iatrogenic coronary artery dissection: Washington Hospital (DC) Webex (Oct2016)
- ACS with non-atherosclerotic disease: Plenary Lecture Year in Review, CCC Montreal (Oct 2016)
- Background on LAA closure data: SJM Canadian Meeting for Canadian Registry, Montreal (Oct2016)
- How effective is LAA Closure: What's new in arrhythmia workshop lecturer, CCC Montreal (Oct2016)
- When to treat and when not to treat LAA closure: TCT 2016 (Oct2016)
- LAA closure tips and tricks (panelist): TCT 2016 (Oct2016)
- Predictors for recurrent SCAD (moderated poster): TCT 2016 (Oct 2016)
- LAA and PFO closure abstract session (Co-chair): TCT 2016 (Oct2016)
- Live case discussant: TCT 2016 (Nov2016)

- LAA closure post-procedural management session (Chair): TCT 2016 (Nov2016)
- Management of LAA closure peri-device leak: TCT 2016 (Nov2016)
- Role of LAA closure devices for AF: AHA Townhall meeting (Nov2016)
- SCAD Workshop (moderator): AHA 2016 (Nov2016)
- How to diagnose SCAD: clinical, angiographic, intracoronary: AHA 2016 (Nov2016)
- Transseptal puncture for LAA closure, is it always inferoposterior: CSI LAA Frankfurt 2016 (Nov2016)
- How to image the LAA (moderator): CSI LAA Frankfurt 2016 (Nov2016)
- Live cases, indications & post-procedural management (moderator): CSI LAA 2016 (Nov2016)
- CAPP facilitated research (SCAD): Heart & Stroke Foundation board meeting (Nov2016)
- Role of LAA closure for stroke prevention with AF: Western Stroke Conference 2016 (Nov2016)

Wood, David

- Fundamental Knowledge: Tricuspid Valve Anatomy, Function & Relational Pathology", TCT 2016, October 29, 2016, Washington, DC.
- Presenter, "Imaging in Structural Heart Disease Interventions: Interactive Cases at Event", Canadian Cardiovascular Congress, October 22, 2016, Montreal.
- Workshop: Coronary Artery Disease and Masters Athletes, Canadian Cardiovascular Congress, October 22, 2016, Montreal.
- "Aortic Valve – TAVR and Beyond", Imaging in Structural Heart Disease Interventions: Interactive Cases. Canadian Cardiovascular Congress, October 22, 2016, Montreal.

PUBLICATIONS

1. Abbara S, Blanke P, Maroules CD, Cheezum M, Choi AD, Han BK, Marwan M, Naoum C, Norgaard BL, Rubinshtein R, Schoenhagen P, Villines T, **Leipsic J**. SCCT guidelines for the performance and acquisition of coronary computed tomographic angiography: A report of the society of Cardiovascular Computed Tomography Guidelines Committee: Endorsed by the North American Society for Cardiovascular Imaging (NASCI). *J Cardiovasc Comput Tomogr*. 2016 Nov - Dec;10(6):435-449. doi:10.1016/j.jcct.2016.10.002. PubMed PMID: 27780758
2. Alkodair A, **Cairns JA**. Stopping Aspirin before Coronary Artery Surgery: Uncertainty Persists. *NEJM* 2016; 375:90-91
3. Al-Mohaissen MA, **Carere RG, Mancini GB, Humphries KH**, Whalen BA, Lee T, Scheuermeyer FX, **Ignaszewski AP**. A Plaque Disruption Index Identifies Patients with Non-STE-Type 1 Myocardial Infarction within 24 Hours of Troponin Positivity. *PLoS One*. 2016 Oct 6;11(10):e0164315. doi: 10.1371/journal.pone.0164315. PubMed PMID: 27711184; PubMed Central PMCID: PMC5053518
4. Al-Mohaissen MA, Ignaszewski MJ, Frohlich J, **Ignaszewski AP**. Statin-Associated Muscle Adverse Events: Update for clinicians. *Sultan Qaboos Univ Med J*. 2016 Nov;16(4):e406-e415. doi: 10.18295/squmj.2016.16.04.002. Review. PubMed PMID:28003885; PubMed Central PMCID: PMC5135450
5. Alnasser S, Cheema A, Horlick E, Van Mieghem N, Feuchtner G, Simonato Dos Santos M, Rudolph T, Brecker S, Lemos P, Piazza N, Damonte A, Kass M, Veress G, Mehilli J, Bekerredjian R, McCabe J, Linke A, Woitek F, Sondergaard L, Bonaros N, De Backer O, Ensminger S, Baumbach H, Wöhrle J, Schofer J, Pelletier M, **Webb J**, Dvir D. TCT-670 Optimal Transcatheter Heart Valve Sizing in Aortic Valve in Valve Implantation: Insights from the Valve in Valve International Data (VIVID) Registry. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B271. doi:10.1016/j.jacc.2016.09.083. PubMed PMID: 27970047

6. Anderson TJ, Grégoire J, Pearson GJ, Barry AR, Couture P, Dawes M, Francis GA, Genest J Jr, Grover S, Gupta M, Hegele RA, Lau DC, Leiter LA, Lonn E, **Mancini GB**, McPherson R, Ngui D, Poirier P, Sievenpiper JL, Stone JA, Thanassoulis G, Ward R. 2016 Canadian Cardiovascular Society Guidelines for the Management of Dyslipidemia for the Prevention of Cardiovascular Disease in the Adult. *Can J Cardiol*. 2016 Nov;32(11):1263-1282. doi:10.1016/j.cjca.2016.07.510. PubMed PMID: 27712954
7. Andreini D, Pontone G, Mushtaq S, Gransar H, Conte E, Bartorelli AL, Pepi M, Opolski MP, Ó Hartaigh B, Berman DS, Budoff MJ, Achenbach S, Al-Mallah M, Cademartiri F, Callister TQ, Chang HJ, Chinnaiyan K, Chow BJ, Cury R, Delago A, Hadamitzky M, Hausleiter J, Feuchtner G, Kim YJ, Kaufmann PA, **Leipsic J**, Lin FY, Maffei E, Raff G, Shaw LJ, Villines TC, Dunning A, Marques H, Rubinshtein R, Hindoyan N, Gomez M, Min JK. Long-term prognostic impact of CT-Leaman score in patients with non-obstructive CAD: Results from the COronary CT Angiography Evaluation For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. *Int J Cardiol*. 2016 Dec 28. pii: S0167-5273(16)32116-7. doi: 10.1016/j.ijcard.2016.12.137. [Epub ahead of print] PubMed PMID: 28082093
8. **Bennett M**, Parkash R, Nery P, Sénéchal M, Mondesert B, Birnie D, **Sterns LD**, Rinne C, Exner D, Philippon F, Campbell D, Cox J, Dorian P, Essebag V, **Krahn A**, Manlucu J, Molin F, Slawnych M, Talajic M. Canadian Cardiovascular Society/Canadian Heart Rhythm Society 2016 Implantable Cardioverter-Defibrillator Guidelines. *Can J Cardiol*. 2016 Oct 6. pii: S0828-282X(16)31005-4. doi:10.1016/j.cjca.2016.09.009. [Epub ahead of print] PubMed PMID: 28034580
9. Burton CS, **Mayo JR**, Cunningham IA. Energy subtraction angiography is comparable to digital subtraction angiography in terms of iodine Rose SNR. *Med Phys*. 2016 Nov;43(11):5925. PubMed PMID: 27806612
10. Cheung CC, **Krahn AD**. Loop recorders for syncope evaluation: what is the evidence? *Expert Rev Med Devices*. 2016 Nov;13(11):1021-1027. PubMed PMID:27690674.
11. Chow CK, Islam SM, Farmer A, Bobrow K, Maddison R, Whittaker R, Dale LP, Lechner A, Niessen L, **Lear SA**, Eapen ZJ, Santo K, Stepien S, Redfern J, Rodgers A. Text2PreventCVD: protocol for a systematic review and individual participant data meta-analysis of text message-based interventions for the prevention of cardiovascular diseases. *BMJ Open*. 2016 Oct 17;6(10):e012723. doi: 10.1136/bmjopen-2016-012723. PubMed PMID: 27798018; PubMed Central PMCID:PMC5073594
12. Cheruvu C, Naoum C, Blanke P, Norgaard B, **Leipsic J**. Beyond Stenosis With Fractional Flow Reserve Via Computed Tomography and Advanced Plaque Analyses for the Diagnosis of Lesion-Specific Ischemia. *Can J Cardiol*. 2016 Nov;32(11):1315.e1-1315.e9. doi: 10.1016/j.cjca.2016.01.023. Review. PubMed PMID:27032888
13. Eftekhari A, Min J, Achenbach S, Marwan M, Budoff M, **Leipsic J**, Gaur S, Jensen JM, Ko BS, Christiansen EH, Kaltoft A, Bøtker HE, Jensen JF, Nørgaard BL. Fractional flow reserve derived from coronary computed tomography angiography: diagnostic performance in hypertensive and diabetic patients. *Eur Heart J Cardiovasc Imaging*. 2016 Dec 24. pii: jew209. doi: 10.1093/ehjci/jew209. [Epub ahead of print] PubMed PMID: 28013282
14. Eng LK, Starovoytov A, **Humphries K**, **Mancini GB**, **Saw J**. TCT-48 Medical Therapy and Clinical Outcomes with Spontaneous Coronary Artery Dissection. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B20. doi: 10.1016/j.jacc.2016.09.192. PubMed PMID:27969860
15. **Fordyce CB**, Douglas PS, Roberts RS, Hoffman U, Al-Khalidi HR, Patel MR, Granger CB, Kostis J, Mark DB, Lee KL, Udelson JE. Identification of Stable Chest Pain Patients Deriving Minimal Value from Noninvasive Testing: The PROMISE Minimal-Risk tool, A Secondary Analysis of a Randomized Clinical Trial. *JAMA Cardiology*. 2016 (in press).
16. **Fordyce CB**, Al-Khalidi HR, Jollis JG, Roettig ML, Bagai A, Berger PB, Corbett CC, Dauerman HL, Fox K, Garvey JL, Gu J, Henry TD, Rokos IC, Sherwood MW, Wilson BH, Granger CB.

- Specific care process implementation associated with improved reperfusion times across multiple STEMI networks. *Circulation: Cardiovascular Interventions*. 2016 (in press).
17. Fowokan AO, Lesser IA, **Humphries KH, Mancini JG, Lear SA**. The predictive relationship between baseline insulin and glucose with subclinical carotid atherosclerosis after 5 years in a multi-ethnic cohort. *Atherosclerosis*. 2016 Dec 15;257:146-151. doi: 10.1016/j.atherosclerosis.2016.12.013. [Epub ahead of print] PubMed PMID: 28135624
 18. Gaur S, Taylor CA, Jensen JM, Bøtker HE, Christiansen EH, Kalltoft AK, Holm NR, **Leipsic J**, Zarins CK, Achenbach S, Khem S, Wilk A, Bezerra HG, Lassen JF, Nørgaard BL. FFR Derived From Coronary CT Angiography in Nonculprit Lesions of Patients With Recent STEMI. *JACC Cardiovasc Imaging*. 2016 Oct 6. pii: S1936-878X(16)30694-5. doi: 10.1016/j.jcmg.2016.05.019. [Epub ahead of print] PubMed PMID: 27743953
 19. Green P, Russo M, Arnold S, Doshi D, Pichard A, Szeto W, Makkar R, Babaliaros V, Fearon W, Svensson L, **Webb J**, Nazif T, Zajarias A, Quader N, Parvataneni R, Kirtane A, Cohen D, Mack M, Leon M. TCT-36 Frailty in Intermediate Risk Patients Undergoing Transcatheter or Surgical Aortic Valve Replacement, Cut Points and Relationship With Outcomes: An Analysis of the Placement of Aortic Transcatheter Valves (PARTNER) 2 Cohort A Randomized Trial. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B15. doi: 10.1016/j.jacc.2016.09.058. PubMed PMID: 27969714
 20. Grunau B, Scheuermeyer FX, Stub D, **Boone RH**, Finkler J, Pennington S, Carriere SA, Cheung A, MacRedmond R, Bashir J, Christenson J. Potential Candidates for a Structured Canadian ECPR Program for Out-of-Hospital Cardiac Arrest. *CJEM*. 2016 Nov;18(6):453-460. PubMed PMID: 26940662
 21. Hahn R, Alu M, **Leipsic J**, Douglas P, Jaber W, Weissman N, Khalique O, Blanke P, Parvataneni R, Kodali S, Thourani V, Pibarot P. TCT-699 Anatomic Deployment Index: A Novel Measure of SAPIEN 3 transcatheter Heart Valve Performance. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B282-B283. doi: 10.1016/j.jacc.2016.09.112. PubMed PMID: 27970078
 22. Henderson WR, Molgat-Seon Y, Vos W, Lipson R, Ferreira F, Kirby M, Holsbeke CV, Dominelli PB, Griesdale DE, Sekhon M, Coxson HO, **Mayo J**, Sheel AW. Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an ex vivo pig model. *Physiol Rep*. 2016 Dec;4(23). pii: e13059. PubMed PMID: 27923979
 23. Izadnegahdar M, Lee MK, Gao M, Pak M, **Humphries KH**. Biased Estimates for 30-day Mortality Rates Post Myocardial Infarction-Impact of Inter-Hospital Transfers. *Epidemiology (Sunnyvale)*. 2016 Oct 28;6(5):271
 24. Khan NA, Daskalopoulou SS, Karp I, Eisenberg MJ, Pelletier R, Tsadok MA, Dasgupta K, Norris CM, Pilote L; GENESIS PRAXY Team. Sex differences in prodromal symptoms in acute coronary syndrome in patients aged 55 years or younger. *Heart*. 2016 Dec 13. pii: heartjnl-2016-309945. doi:10.1136/heartjnl-2016-309945. [Epub ahead of print] PubMed PMID: 27965279
 25. Kochhäuser S, Jiang CY, Betts TR, Chen J, Deisenhofer I, Mantovan R, Macle L, Morillo CA, Haverkamp W, Weerasooriya R, Albenque JP, Nardi S, Menardi E, **Novak P**, Sanders P, Verma A; STAR AF II Investigators. Impact of acute atrial fibrillation termination and prolongation of atrial fibrillation cycle length on the outcome of ablation of persistent atrial fibrillation: A substudy of the STAR AF II trial. *Heart Rhythm*. 2016 Dec 21. pii: S1547-5271(16)31227-9. doi: 10.1016/j.hrthm.2016.12.033. [Epub ahead of print] PubMed PMID: 28011328
 26. **Krahn A**, Ross H, Ferguson A. Canadian Cardiovascular Society, the power of collaboration. *Eur Heart J*. 2016 Nov 21;37(44):3309-3310. doi:10.1093/eurheartj/ehw475. PubMed PMID: 28007929
 27. Kueh SH, Sellers S, **Leipsic J**. Developing a Deeper Understanding of Sex Differences in the Diagnostic Performance of Computed Tomographic Perfusion Imaging Toward a More Personalized Approach. *Circ Cardiovasc Imaging*. 2016 Nov;9(11). pii: e005718. PubMed PMID: 27811152

28. Lee SE, Chang HJ, Rizvi A, Hadamitzky M, Kim YJ, Conte E, Andreini D, Pontone G, Volpato V, Budoff MJ, Gottlieb I, Lee BK, Chun EJ, Cademartiri F, Maffei E, Marques H, **Leipsic JA**, Shin S, Choi JH, Chung N, Min JK. Rationale and design of the Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography IMaging (PARADIGM) registry: A comprehensive exploration of plaque progression and its impact on clinical outcomes from a multicenter serial coronary computed tomographic angiography study. *Am Heart J*. 2016 Dec;182:72-79. doi: 10.1016/j.ahj.2016.09.003. PubMed PMID: 27914502
29. **Leipsic J**, Blanke P, Norgaard BL. Defining the relationship between atherosclerotic plaque, ischaemia, and risk-the story unfolds. *Eur Heart J Cardiovasc Imaging*. 2016 Dec 26. pii: jew282. doi: 10.1093/ehjci/jew282. [Epub ahead of print] PubMed PMID: 28025259
30. Lempereur M, Aminian A, Freixa X, Gafoor S, Kefer J, Tzikas A, Legrand V, **Saw J**. Device-associated thrombus formation after left atrial appendage occlusion: A systematic review of events reported with the Watchman, the Amplatzer Cardiac Plug and the Amulet. *Cath Cardiovasc Interv* 2016 (in press).
31. Leung JM, Malagoli A, Santoro A, Besutti G, Ligabue G, Scaglioni R, Dai D, Hague C, **Leipsic J**, Sin DD, Man SP, Guaraldi G. Emphysema Distribution and Diffusion Capacity Predict Emphysema Progression in Human Immunodeficiency Virus Infection. *PLoS One*. 2016 Nov 30;11(11):e0167247. doi:10.1371/journal.pone.0167247. PubMed PMID: 27902753; PubMed Central MCID:PMC5130231
32. Mozolevska V, Schwartz A, Cheung D, Shaikh B, **Bhagirath KM**, Jassal DS. Addison's Disease and Dilated Cardiomyopathy: A Case Report and Review of the Literature. *Case Rep Cardiol*. 2016;2016:4362514. doi: 10.1155/2016/4362514. PubMed PMID: 28003914; PubMed Central MCID: PMC5149592
33. Parkash R, Thibault B, Mangat I, Coutu B, **Bennett M**, Healey J, Verma A, Philippon F, Sandhu R, Cameron D, Ayala-Paredes F, **Sterns L**, Essebag V, Kus T, Nery P, Stephenson E, Yee R, Exner D, Toal S, Birnie D, Wells G, **Krahn A**. Canadian Registry of Implantable Electronic Device Outcomes: Surveillance of the Riata Lead Under Advisory. *Circ Arrhythm Electrophysiol*. 2016 Oct;9(10). pii:e004282. PubMed PMID: 27733493
34. Perlman GY, **Webb JG**. Intracardiac Shunts Following Transcatheter Aortic Valve Replacement: Not So Rare as to Be Ignored? *JACC Cardiovasc Interv*. 2016 Dec 26;9(24):2539-2540. doi: 10.1016/j.jcin.2016.10.016. PubMed PMID: 27889350
35. Pibarot P, Hahn R, Weissman N, Arsenault M, Beaudoin J, Bernier M, Dahou A, Khaliq O, Asch F, Toubal O, **Leipsic J**, Blanke P, Zhang F, Parvataneni R, Herrmann H, Leon M, Thourani V, Kodali S. TCT-38 Paravalvular Regurgitation Regression and Impact on 1-year Outcomes After Transcatheter Aortic Valve Replacement with the SAPIEN 3 Transcatheter Valve. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B16. doi: 10.1016/j.jacc.2016.09.175. PubMed PMID: 27969743
36. Prakash R, Starovoytov A, **Aymong E**, **Saw J**. TCT-103 Angiographic Healing of Spontaneous Coronary Artery Dissection. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B41. doi: 10.1016/j.jacc.2016.09.347. PubMed PMID: 27970267
37. Quraishi AU, Lambert LJ, Madan M, Gong Y, Forsey A, Galbraith D, Gill N, Oakes GH, Lavoie A, **Carere RG**, Welsh RC; PCI Quality Indicator Working Group. Quality of Care for Percutaneous Coronary Intervention: Development of Canadian Cardiovascular Society Quality Indicators. *Can J Cardiol*. 2016 Dec;32(12):1570-1573. doi: 10.1016/j.cjca.2016.07.511. PubMed PMID: 27743759
38. **Rabkin SW**, Cheng XJ, Thompson DJ. Detailed analysis of the impact of age on the QT interval. *J Geriatr Cardiol*. 2016 Sep;13(9):740-748. PubMed PMID:27899938; PubMed Central MCID: PMC5122499
39. Ribeiro H, Rodés-Cabau J, Park JK, Blanke P, **Leipsic J**, Bapat V, Makkar R, Simonato Dos Santos M, Barbanti M, Schofer J, Bleiziffer S, Latib A, Hildick-Smith D, Presbitero P, Windecker S, Napodano M, Cerillo A, Abdel-Wahab M, Tchetché D, Fiorina C, Cohen M, Guerrero M, Whisenant B, Nietlispach F, Franco LN, Brito F, Lemos P, **Webb J**, Dvir D. TCT-678 Incidence, Predictors and Clinical Outcomes of Coronary Obstruction Following Transcatheter Aortic

Valve Implantation for Degenerative Bioprosthetic Surgical Valves: Insights from the VIVID Registry. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B274-B275. doi:10.1016/j.jacc.2016.09.091. PubMed PMID: 27970054

40. **Ricci DR**, Marotta TR, Riina HA, Wan M, De Vries J. A training paradigm to enhance performance and safe use of an innovative neuroendovascular device. *J Mark Access Health Policy*. 2016 Nov 9;4. doi: 10.3402/jmahp.v4.33248. PubMed PMID: 27867466
41. Rizvi A, Hartaigh BÓ, Knaapen P, **Leipsic J**, Shaw LJ, Andreini D, Pontone G, Raman S, Khan MA, Ridner M, Nabi F, Gimelli A, Jang J, Cole J, Nakazato R, Zarins C, Han D, Lee JH, Szymonifika J, Gomez MJ, Truong QA, Chang HJ, Lin FY, Min JK. Rationale and Design of the CREDENCE Trial: computed Tomographic evaluation of atherosclerotic Determinants of myocardial Ischemia. *BMC Cardiovasc Disord*. 2016 Oct 6;16(1):190. PubMed PMID: 27716131; PubMed Central PMCID: PMC5053174
42. Ruile P, Jander N, Blanke P, Schoechlin S, Reinöhl J, Gick M, Langer M, **Leipsic J**, Buettner HJ, Neumann FJ, Pache G. TCT-79 Course of early subclinical leaflet thrombosis after transcatheter aortic valve replacement with or without oral anticoagulation. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B32-B33. doi:10.1016/j.jacc.2016.09.227. PubMed PMID: 27970179
43. **Saw J**, Tzikas A, Shakir S, Gafoor S, Omran H, Nielsen-Kudsk J, Kefer J, Aminian A, Berti S, Santoro G, Niefispach F, Moschovitis A, Cruz-Gonzalez I, Stammen F, Tichelbäcker T, Freixa X, Ibrahim R, Schillinger W, Meier B, Sievert H, Gloekler S. Incidence and clinical impact of device-associated thrombus and peri-device leak following left atrial appendage closure with the Amplatzer Cardiac Plug. *JACC Cardiovasc Interv* 2016 (in press)
44. **Saw J**, Starovoytov A, Zhao Y, Peng D, **Humphries K**. TCT-101 Predictors for Recurrent Dissection after Spontaneous Coronary Artery Dissection. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B40. doi: 10.1016/j.jacc.2016.09.345. PubMed PMID:27970264
45. Shah R, Yow E, Jones WS, Kohl LP 3rd, Kosinski AS, Hoffmann U, Lee KL, **Fordyce CB**, Mark DB, Lowe A, Douglas PS, Patel MR. Comparison of visual assessment of coronary stenosis with independent quantitative coronary angiography: Findings from the Prospective Multicenter Imaging Study for Evaluation of Chest Pain (PROMISE) trial. *Am Heart J*. 2016 Oct 26;184:1-9. doi: 10.1016/j.ahj.2016.10.014. [Epub ahead of print] PubMed PMID: 27892881
46. Simonato Dos Santos M, Abdel-Wahab M, Hildick-Smith D, **Webb J**, Arbel Y, Amrane H, Whisenant B, Miller M, Agrifoglio M, Salizzoni S, Presbitero P, Frerker C, Ribeiro VG, Eltchaninoff H, de Weger A, Cerillo A, Finkelstein A, Testa L, Zeus T, Fiorina C, Chodor P, Ioanes D, Moat N, Dvir D. TCT-669 Valve-in-Valve in Small Surgical Valves: Predictors for Survival and Elevated Post Procedural Gradients. Insights from the Valve-in-Valve International Data (VIVID) Registry. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B270-B271. doi: 10.1016/j.jacc.2016.09.082. PubMed PMID: 27970046
47. Sze MA, Xu S, Leung JM, Vucic EA, Shaipanich T, Moghadam A, Harris M, Guillemi S, Sinha S, Nislow C, Murphy D, Hague C, **Leipsic J**, Lam S, Lam W, Montaner JS, Sin DD, Man SF. The bronchial epithelial cell bacterial microbiome and host response in patients infected with human immunodeficiency virus. *BMC Pulm Med*. 2016 Nov 9;16(1):142. PubMed PMID: 27829448; PubMed Central PMCID:PMC5103452
48. Szerlip M, Gualano S, Squiers J, White J, Doshi D, George I, Vazquez N, Dimairo JM, Makkar R, Williams M, Herrmann H, Svensson L, **Webb J**, Hahn R, Kirtane A, Babaliaros V, Thourani V, Alu M, Kodali S, Leon M, Mack M. TCT-674 Sex Specific Outcomes of TAVR with the Sapien 3 Valve: Insights From The PARTNER 2 S3 High-Risk and Intermediate-Risk Cohorts. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B272-B273. doi: 10.1016/j.jacc.2016.09.087. PubMed PMID: 27970050
49. Tabarsi N, Gao M, **Grewal J**. Transplant outcomes in Fontan Patients: A Meta-analysis. Accepted to AJC.
50. Tan WC, Hague CJ, **Leipsic J**, Bourbeau J, Zheng L, Li PZ, Sin DD, Coxson HO, Kirby M, Hogg JC, Raju R, Road J, O'Donnell DE, Maltais F, Hernandez P, Cowie R, Chapman KR, Marciniuk DD, FitzGerald JM, Aaron SD; Canadian Respiratory Research Network and the CanCOLD

- Collaborative Research group. Findings on Thoracic Computed Tomography Scans and Respiratory Outcomes in Persons with and without Chronic Obstructive Pulmonary Disease: A Population-Based Cohort Study. *PLoS One*. 2016 Nov 18;11(11):e0166745. doi: 10.1371/journal.pone.0166745. PubMed PMID:27861566; PubMed Central PMCID: PMC5115801
51. TEC4Home Healthcare Innovation Community.; TEC4Home Healthcare Innovation Community. Supporting Heart Failure Patient Transitions From Acute to Community Care With Home Telemonitoring Technology: A Protocol for a Provincial Randomized Controlled Trial (TEC4Home). *JMIR Res Protoc*. 2016 Dec 18;5(4):e198. PubMed PMID:27977002
 52. Varshney R, Chamberlain M, Rayner-Hartley E, Kelliher E, Lee A, Cook R, **Fung A, Gin K, Nair P, Tsang TS**. Rapidly growing cardiac mass: a rare case of left atrial intramural hematoma complicating coronary artery stenting. *Echocardiography*. 2016 Oct;33(10):1605-1607. doi: 10.1111/echo.13312. PubMed PMID: 27735081
 53. Wan D, Tashakkor AY, **Leipsic J**, Raggi P, **Mancini GBJ**. The effect of statin therapy on coronary atherosclerosis as assessed by computed tomography. *Curr Res Cardiol* 2016;3(4):121-27
 54. **Webb JG**, Sathananthan J. Transcatheter Aortic Valve Replacement for Pure Noncalcific Aortic Regurgitation Is Coming, But Not Yet Primetime. *JACC Cardiovasc Interv*. 2016 Nov 28;9(22):2318-2319. doi: 10.1016/j.jcin.2016.09.030. PubMed PMID: 28102820
 55. White J, Doshi D, Williams M, Szerlip M, Squiers J, **Webb J**, Hahn R, Kirtane A, Litherland C, Cohen D, Tuzcu EM, Szeto W, Zajarias A, Malaisrie SC, Alu M, Smith C, Leon M, Mack M, Kodali S. TCT-691 Sex-Specific Differences After Transcatheter or Surgical Aortic Valve Replacement in Intermediate Risk Patients: An Analysis from the PARTNER 2 Randomized Trial. *J Am Coll Cardiol*. 2016 Nov 1;68(18S):B279-B280. doi: 10.1016/j.jacc.2016.09.104. PubMed PMID: 27970068
 56. Yeung DF, **Toma M, Davis MK, Ignaszewski A**. Ranolazine for refractory angina in a heart transplant recipient with cardiac allograft vasculopathy. *Am J Transplant*. 2016 Dec 30. doi: 10.1111/ajt.14190. [Epub ahead of print] PubMed PMID: 28035732
 57. Zhao Y, Lee MK, Izadnegahdar M, Mackay MH, **Sedlak TL**, Scheuermeyer F, Gao M, Grafstein E, Holmes DT, Mattman A, **Humphries KH**. Cardiac troponin level and outcomes after discharge: Does sex matter? *Canadian Journal of Cardiology*. 2016 Oct; 32(10):S164 - S165
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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 2017 for the next issue – deadline end of March 2017

Your research achievements welcomed at any time

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