

**Kevin R. Bainey**

MD, MSc, FRCPC

Assistant Professor of Medicine  
Academic Interventional Cardiologist  
Mazankowski Alberta Heart Institute

**Clinical & Academic Offices:**  
University of Alberta Hospital  
2C2 WMC, 8440-112 Street  
Edmonton AB, T6G 2B7

**Phone:**  
780-407-2176

**E-mail:**  
kevin.bainey@albertahealthservices.ca

**Alternate Contact:** Roxana Liberty  
**Phone:**780-407-2176



**Professional Overview:**

- Faculty at the Canadian VIGOUR Centre, University of Alberta.
- Director of the Interventional Cardiology Fellowship Program at the Mazankowski Alberta Heart Institute, University of Alberta
- Director of the Chest Pain Program at the Mazankowski Alberta Heart Institute, University of Alberta
- Co-Director of the ACS working group for Alberta Health Services Cardiovascular Health and Stroke Strategic Clinical Network

**Past Education:**

- 1998- undergraduate degree in Microbiology at the University of Alberta
- 2002- Doctor of Medicine from University of Alberta
- Internal Medicine and Cardiology training at the University of Alberta
- Fellowship of the Royal College of Physicians and Surgeons of Canada in 2006 (Internal Medicine) and 2008 (Cardiology).
- 2009- Interventional Cardiology Fellowship at Harvard University's Brigham and Women's Hospital
- 2013- Master of Science in Health Research Methodology from McMaster

University

### **Awards:**

- Recipient of the Canadian Society for Clinical Investigation Resident Research Award (Alberta)
- Clinical Research Student Presentation Award Nominee for the Canadian Cardiovascular Congress.
- Received the University Of Alberta Department Of Medicine Research Award on numerous occasions throughout his training at the University of Alberta

### **Current Research Interests:**

- ST-elevation myocardial infarction
- Percutaneous coronary intervention

### **Selected Publications:**

1. **Bainey KR**, Welsh RC, Toklu B, Bangalore S. Complete vs Culprit-Only Percutaneous Coronary Intervention in STEMI With Multivessel Disease: A Meta-analysis and Trial Sequential Analysis of Randomized Trials. *Can J Cardiol*. 2016 (in press).
2. **Bainey KR**, Fresco C, Zheng Y, Halvorsen S, Carvalho A, Ostojic M, Goldstein P, Gershlick AH, Westerhout CM, Van de Werf F, Armstrong PW; STREAM Investigators. Implications of ischaemic area at risk and mode of reperfusion in ST-elevation myocardial infarction. *Heart*. 2016 Apr;102(7):527-33.
3. **Bainey KR**, Armstrong PW. Transatlantic Comparison of ST-Segment Elevation Myocardial Infarction Guidelines: Insights From the United States and Europe. *J Am Coll Cardiol*. 2016 Jan 19;67(2):216-29.
4. Sharma A, Khan JS, **Bainey KR**. Preoperative Stress Tests--Superfluous Investigations Resulting in Excessive Treatment Delay: A Teachable Moment. *JAMA Intern Med*. 2015 Oct;175(10):1610-1.
5. **Bainey KR**, Rahim S, Etherington K, Rokoss ML, Natarajan MK, Velianou JL, Brons S, Mehta SR; CAPTAIN Investigators. Effects of withdrawing vs continuing renin-angiotensin blockers on incidence of acute kidney injury in patients with renal insufficiency undergoing cardiac catheterization: Results from the Angiotensin Converting Enzyme Inhibitor/Angiotensin Receptor Blocker and Contrast Induced Nephropathy in Patients Receiving Cardiac Catheterization (CAPTAIN) trial. *Am Heart J*. 2015 Jul;170(1):110-6.
6. Shavadia J, Norris CM, Graham MM, Verma S, Ali I, **Bainey KR**. Symptomatic graft failure and impact on clinical outcome after coronary artery bypass grafting surgery: Results from the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease registry. *Am Heart J*. 2015 Jun;169(6):833-40.
7. **Bainey KR**, Patel MR, Armstrong PW. Evaluation of Cardiac Magnetic Resonance

- as a Surrogate in ST-Segment Elevation Myocardial Infarction. *Am J Cardiol*. 2015 Jun 1;115(11):1607-14.
8. **Bainey KR**, Ferguson C, Ibrahim Q, Tyrrell B, Welsh RC. Impact of reperfusion strategy on aborted myocardial infarction: insights from a large Canadian ST-elevation myocardial infarction registry. *Can J Cardiol*. 2014 Dec;30(12):1570-5.
  9. Kaila KS, Norris CM, Graham MM, Ali I, **Bainey KR**. Long-term Survival with Revascularization in South Asians Admitted with an Acute Coronary Syndrome: Insights from the Alberta Provincial Project for Outcomes Assessment in Coronary Heart Disease (APPROACH) Registry. *Am J Cardiol* 2014; 114:395.
  10. **Bainey KR**, Armstrong PW. Ameliorating Reperfusion Injury in STEMI: Dead or Alive? *Eur Heart*. 2014;35:2504.
  11. **Bainey KR**, Armstrong PW. Clinical perspectives on reperfusion injury in acute myocardial infarction. *Am Heart J*. 2014 May;167(5):637-645.
  12. **Bainey KR**, Armstrong PW, Fonarow GC, Cannon CP, Hernandez AF, Peterson ED, Peacock WF, Laskey WK, Zhao X, Schwamm LH, Bhatt DL. Use of renin-angiotensin system blockers in acute coronary syndromes: findings from Get With the Guidelines-Coronary Artery Disease Program. *Circ Cardiovasc Qual Outcomes*. 2014 Mar;7(2):227-35.
- Bainey KR**, Mehta SR, Lai T, Welsh RC. Complete vs culprit-only revascularization for patients with multivessel disease undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: a systematic review and meta-analysis. *Am Heart J*. 2014 Jan;167(1):1-14.e2.
13. **Bainey KR**, Natarajan MK, Mercuri M, Lai T, Teoh K, Chu V, Whitlock RP, Velianou JL. Treatment assignment of high-risk symptomatic severe aortic stenosis patients referred for transcatheter AorticValve implantation. *Am J Cardiol*. 2013 Jul 1;112(1):100-3.
  14. **Bainey KR**, Selzer F, Cohen HA, Marroquin OC, Holper EM, Graham MM, Williams DO, Faxon DP. Comparison of three age groups regarding safety and efficacy of drug-eluting stents (from the National Heart, Lung, and Blood Institute Dynamic Registry). *Am J Cardiol*. 2012 Jan 15;109(2):195-201.
  15. **Bainey KR**, CM Norris, Gupta M, Southern D, Galbraith D, Knudtson M, Graham MM for the APPROACH Investigators. Altered health status and quality of life in South Asians with coronary artery disease. *American Heart Journal* 2011; 162:501-6.
  16. **Bainey KR**, Fu Y, Granger CB, Hamm CW, Holmes DR, O'Neill WW, Seabra-Gomes R, Pfisterer ME, Van de Werf F, Armstrong PW. The benefit of angiographic spontaneous reperfusion in STEMI: does it extend to diabetics? *Heart* 2009;95:1331-6.