

SCHOLARLY BIBLIOGRAPHY - Ogunyankin KO

Original Peer-Reviewed Publications

- M1. Yadlapati A, Maher TR, Thomas JD, Gajjar M, **Ogunyankin KO**, Puthumana J. Global longitudinal strain from resting echocardiogram is associated with long-term adverse cardiac outcomes in patients with suspected coronary artery disease. *Perfusion* 2017 Mar 1;267659117701563. Epub 2017 Mar 1.
- M2. Dewland TA, Bibbins-Domingo K, Lin F, Vittinghoff E, Foster E, **Ogunyankin KO**, Lima JA, Jacobs DR, Hu D, Burchard EG, Marcus GM. Racial Differences in Left Atrial Size: Results from the Coronary Artery Risk Development in Young Adults (CARDIA) Study. *PLoS One*. 2016 Mar 17;11(3):e0151559
- M3. Fox ER, Musani SK, Barbalic M, Lin H, Yu B, **Ogunyankin KO**, et al. Genome-wide association study of cardiac structure and systolic function in African Americans: the Candidate Gene Association Resource (CARE) study. *Circ Cardiovasc Genet*. 2013 Feb;6(1):37-46.
- M4. Desai CS, Ogunyankin KO, Colangelo LA, Liu K, Jacobs Jr DR, Cook NL, Lloyd-Jones DM. Prevalence, prospective risk markers, and prognosis associated with the presence of left ventricular diastolic dysfunction in young adults: the coronary artery risk development in young adults study. *Am J Epidemiol*. 2013 Jan 1;177(1):20-32
- M5. Kawut SM, Graham-Barr R, Lima JAC, Praestgaard A, Craig-Johnson W, Chahal H, Ogunyankin KO, Bristow M, Kizer JR, Tandri H, Bluemke DA. Right Ventricular Structure and Function are associated with the Risk of Heart Failure and Cardiovascular Death: The MESA-Right Ventricle Study. *Circulation* 2012; 126:1681-1688. <http://circ.ahajournals.org/content/126/14/1681>
- M6. Montgomery DE, Puthumana JJ, Fox JM, Ogunyankin KO. Global longitudinal strain aids the detection of non-obstructive coronary artery disease in the resting echocardiogram. *Eur Heart J Cardiovasc Imaging* 2012 Jul; 13(7): 579-87 December 13, 2011
- M7. Ogunyankin KO, Liu, K, Lloyd-Jones DM, Colangelo LA, Gardin JG. Reference values of right ventricular end-diastolic area defined by ethnicity and gender in a young adult population- The CARDIA Study. *Echocardiography* 2011; 28(2):142-149
- M8. Ogunyankin KO, Andrew G Day. Successful treatment of hypertension accounts for improvements in markers of diastolic function- a pilot study comparing hydrochlorothiazide-based and amlodipine-based treatment strategies. *Can J Cardiol* 2009; 25 (12):e406-e412
- M9. Jiang W, Hall SR, Moos M PW, Cao R Y, Ishii Satoshi, **Ogunyankin KO**, Melo LG, Funk CD. Endothelial Cysteinyl Leukotriene 2 Receptor (CysLT2R) Expression Mediates Myocardial Ischemia- Reperfusion *Amer J Pathol* 2008; 172: 2008;172:592-602

- M10. Ogunyankin KO, Day AG, Lonn E. Cardiac Function Stratification Based on Echocardiographic or Clinical Markers of Left Ventricular Filling Pressures Predicts Death and Hospitalization Better Than Stratification by Ventricular Systolic Function Alone" *Echocardiography* 2008;25 (2): 169-181
- M11. Liu X, Simpson J, Brunt KR, Barrette V, Ward CA, Tse Y, Pang SC, Pachori AS Dzau V J, **Ogunyankin KO**, Melo LG. Pre-Emptive Heme Oxygenase-1 Gene Delivery Reveals Reduced Mortality And Preservation Of Left Ventricular Function One Year After Acute Myocardial Infarction. *Am J Physiol Heart Circ Physiol.* 2007 Jul;293(1):H48-59.
- M12. Ogunyankin KO, Burggraf GW, Abiose AK, Malik PG. Validity of revised Doppler echocardiographic algorithms and composite clinical and angiographic data in diagnosis of diastolic dysfunction. *Echocardiography* 2006; 23(10) 817-828
- M13. Takeuchi M, Ogunyankin K, Pandian NG et al. Enhanced visualization of intravascular and left atrial appendage thrombus with the use of a thrombus-targeting ultrasonic contrast agent (MRX408A1): In Vivo experimental echocardiographic studies. *J Am Soc of Echocardiogr* 1999; 12:1015-21.
- M14. Takanaka C, Ogunyankin KO, Singh BN. Antiarrhythmic and arrhythmogenic actions of varying levels of extracellular magnesium: possible cellular basis for the differences in the efficacy of magnesium and lidocaine in torsades de pointes. *J of Cardiovasc Pharmacol & Therapeut* 1997 April;2(2)125-34 .
- M15. Ogunyankin,K.O., Alhaddad, I.A., Altura, B.M., Altura, B.T., Brown, E.J.,Jr. Does Magnesium modify left ventricular remodeling after myocardial infarction?.*Coron Artery Dis* 1995 6(9): 709-714.

Editorials and Reviews

- R1. Ogunyankin KO. Assessment of Left Ventricular Diastolic Function: The Power, Possibilities and Pitfalls of Echocardiographic Imaging Techniques. *Canadian Journal of Cardiology* 2011; 27(3):311-318.
- R2. Ogunyankin KO, Puthumana JJ. Effect of cardiac resynchronization therapy on right ventricular function. *Current Opinion in Cardiology* 2010, 25 (464-468)
- R3. Ogunyankin KO. Diastolic Dysfunction: Association with Hypertension and Potential Target for Antihypertensive Therapy. *Current Cardiovascular Risk Reports* 2010, 4 (4):256-263
- R4. Ogunyankin KO, Singh BN. Mortality reduction by antiadrenergic modulation of arrhythmogenic substrate: Significance of combining Beta Blockers and amiodarone. *Am J Cardiol* 1999; 84: 76R-82R (*Review- Both*)
- R5. Ogunyankin K, Singh BN, Reflections on recent clinical trials in patients with heart failure and those with reduced ventricular function. **Editorial(peer reviewed)** *J of Cardiovasc Pharmacol & Therapeut* 1997 July ;2(3)147-152.

- R6. Ogunyankin K.O, Singh B.N. Influencing mortality in cardiac disorders by controlling arrhythmias or by cardioprotection? **Editorial (peer reviewed)** J of Cardiovasc Pharmacol & Therapeutics 1996 July; 1(3):189-194.
- R7. Ogunyankin, K.O. Jonas E. Management of aortic stenosis in the elderly. Intercontinental Cardiology 1995 Sept -Dec 4(3): 127-130 (Review- **peer-reviewed uninvited**)

Letters

- L1. Ogunyankin KO. Letter by Ogunyankin KO regarding Article, "Tissue Doppler imaging in the Estimation of Intracardiac Filling Pressure in Decompensated Patients with Advanced Systolic Heart failure" **Circulation 2009; 120:e45** DOI:10.1161/CIRCULATIONAHA.108846477
- L2. Ogunyankin KO. Color and Spectral Modes of Tissue Doppler Imaging have similar diagnostic utility but different numerical values (*Letter*). JASE 2006; 19:1411-1412
- L3. Ogunyankin KO. Left ventricular remodeling in elite athletes (*Letter*). Circulation. 2002; 106:E43.
- L4. Ogunyankin Kofo. Vitamin E and coronary artery disease (*Letter*). Lancet June 1996; 347:1689.
- L5. Ogunyankin Kofo. Thrombolysis in myocardial infarction GUSTO criticized. (*Letter*). N Engl J Med 1994; 330:505

Recent Abstracts:

- A1. Nwabuo CC, Moreira HT, Vasconcellos HD, Yared G, Ambale-Venkatesh B, Jared PR, Lloyd-Jones D, Schreiner PJ, Lewis CE, Sidney S, Ogunyankin KO, Gidding SS, Lima JAC. Inter-and Intra-reader Reproducibility of left ventricular volumetric and deformational assessment by three-dimensional echocardiography in a Multi-center community-based study: The coronary artery risk development in young adults CARDIA study. J Am Soc of Echocardiogr 2016; 29(6) B82: P2-15
- A2. Nwabuo CC, Mewton N, Opdahl A, Moreira HT, Ogunyankin KO, Ambale-Venkatesh B, Schreiner PJ, Inoue Y, Ohyama Y, Jacobs D, Lloyd-Jones D, Lewis B, Gidding S, Lima J. Left Ventricular Global Function Index (A Novel Marker of Cardiac Performance) Predicts Incident Cardiovascular Events: The Coronary Artery Risk Development in Young Adults (CARDIA) Study Circulation. 2015;132:A16614
- A3. Nwabuo CC, Ohyama Y, Moriera HT, Ambale-Venkatesh B, Sharma RK, Armstrong AC, Ostovaneh MR, Lewis B, Liu K, Schreiner P, Ogunyankin KO, Gidding SS, Lima JAC. Association of Aortic Root Diameter with Myocardial Remodeling and Reduced Function in Middle-Aged Black and White Adults: The CARDIA Study. J Am Soc of Echocardiogr 2015; 28(6) B27: P1-56

- A4. Moriera HT, Nwabuo CC, Sharma RK, Ambale-Venkatesh B, Ostovaneh MR, Armstrong AC, Lewis CE, Liu K, Schreiner PJ, Sidney S, Ogunyankin KO, Gidding SS, Lima JAC . Association of Left and Right Ventricular Function in Middle Age: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *J Am Soc of Echocardiogr* 2015; 28(6) B40: P1-95.
- A5. Moriera HT, Armstrong AC, Nwabuo CC, Sharma RK, Ambale-Venkatesh B, Ostovaneh MR, Lewis CE, Liu K, Schreiner PJ, Sidney S, Ogunyankin KO, Gidding SS. Association of Smoking and Right Ventricular Function in Middle Age: The Coronary Artery Risk Development In Young Adults (CARDIA) Study *J Am Soc of Echocardiogr* 2015; 28(6) B41: P1-97.
- A6. Yadlapati A, Maher TR, Ogunyankin K, Puthumana JJ. Global Longitudinal Strain From Resting Echocardiogram Better Predicts Long-Term Adverse Cardiac Outcomes in Patients with Normal Ejection Fraction. *J Am Soc of Echocardiogr* 2015; 28(6) B56: P1-144
- A7. Dewland TA, Bibbins-Domingo K, Lin F, Vittinghoff E, Foster E, Ogunyankin KO, Lima JA, Marcus GM. Racial Differences in Left Atrial Diameter: Results from the Coronary Artery Risk Development in Young Adults (CARDIA) Study. Poster Presentation at the *Heart Rhythm Society Scientific Sessions*, San Francisco, CA. May 2014.
- A8. Maher TR, Ogunyankin KO, Puthumana JJ; Global longitudinal strain predicts long-term adverse cardiac events among patients with known coronary anatomy. *J Am Soc of Echocardiogr* 2013; 26(6) B101: P2-101
- A9. Maher TR, Ogunyankin KO, Puthumana JJ; Prognostic utility of global longitudinal strain for cardiovascular admissions over 4 years of follow up *J Am Soc of Echocardiogr* 2013; 26(6) B109: P2-128
- A10. Ku IA, Ho JE, Ogunyankin KO, Gidding S, Jacobs DR, Foster E, Bibbins-domingo K. C-Reactive Protein is Associated with Increased Left Atrial Size in Young Adults: The CARDIA Study. *Presented at AHA- EPI/NPAM conference March 2011*
- A11. Yong C.M, Foster E, Oestreicher-Stock E, Sidney S, Ogunyankin K.O, Bibbins-Domingo K. - Impact of Physical Fitness on Left Atrial Size in a Bi-racial Cohort of Young Adults: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *Accepted for presentation 2010 AHA Circulation* 2010;122:A21237
- A12. Desai CS, Ogunyankin KO, Colangelo L, Liu K; Jacobs Jr DR, Cook N, Lloyd-Jones DM: Prospective risk markers for the presence of left ventricular diastolic dysfunction in healthy young adults: the Coronary Artery Risk Development in Young Adults (CARDIA) study *J Am Soc of Echocardiogr* 2010; 23(5) B48: P2-45
- A13. Ansari A, Sarson SL, Schuster DJ, Ogunyankin KO . Does Age Influence the Right Ventricular Enlargement and Longitudinal Deformational Characteristics of the Right Ventricle in Extremely Fit Community-Dwelling Adults? *J Am Soc of Echocardiogr* 2010; 23(5) B46: P2-37
- A14. Ogunyankin KO, Montgomery DE, Puthumana JJ, Schuster DJ. Longitudinal Two-Dimensional Speckle Tracking Indices on Rest Echocardiographic Images Predicts Significant Coronary Disease. *J Am Coll Cardiol* 2010; 55 (10) Suppl A; A96; 1262-255

- A15. Ogunyankin KO, Puthumana JJ, Schuster, Sarson SL. Global Longitudinal Strain Measured from Rest Echocardiography Images Has Comparable Diagnostic Accuracy as Stress Induced Wall Motion Score Index in Detecting Significant Coronary Artery Disease. *J Am Coll Cardiol* 2010; 55 (10) Suppl A; A86; 1200-210
- A16. Oestreicher E, Foster E, Yong C, Lin F, Sidney S, Ogunyankin KO, Bibbins-Domingo K. Impact of Physical Fitness on Echocardiographic Left Ventricular Mass in Healthy Young Black and White Adult Men and Women: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *J Am Coll Cardiol* 2010; 55 (10) Suppl A; A80; 1144-200
- A17. Ogunyankin KO, Day AG. Echocardiographic classification of diastolic function predicts survival better than catheter-measured left ventricular filling pressures. *Circulation* 2009;120: 5
- A18. Schuster DJ, Sarson SL, Montpetit MC, Cotts WG, Ogunyankin K.O. How Sensitive are Tissue Doppler Indices for Assessment of Pulmonary Artery Wedge Pressures in Cardiac Transplant Subjects. *J Am Soc of Echocardiogr* 2009; 22(5) 553: P1-27
- A19. Ogunyankin KO, Colangelo LA, Lloyd-Jones DM, Liu K. Diastolic Function Classification Based Solely on Algorithmic use of Traditional Echocardiographic Measurements Predicts Long Term Mortality in Asymptomatic Young Adults-The CARDIA Study. *J Am Soc of Echocardiogr* 2009; 22(5) 552: P1- 22
- A20. Ogunyankin K O, Colangelo L, Lloyd-Jones D M, Liu K. Long-Term Prognostic Value of Diastolic Dysfunction in Young Adults- The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *J Am Coll Cardiol* 2009; 53 (10) Suppl A; A187; 1051-166
- A21. Pokorney S D, Morse M A, Lee D C, Ogunyankin K O, Wu E. Multi-stage diastolic function classification algorithm by cardiac MRI demonstrates the relationship between severity of diastolic dysfunction and acute infarct size. *Journal of Cardiovascular Magnetic Resonance* 2009; 11(Suppl 1):157
- A22. Ogunyankin KO, Day AG, Londry CC, Jiang X. Does a Calcium Channel Blocker-Based Hypertension Treatment Cause a Greater Improvement in Echocardiographic Parameters than Diuretic-Based Treatment in Hypertensive Subjects Treated to Normal Blood Pressure Goal? *J Am Soc of Echocardiogr* 2008; 21(5) 595: P3-53
- A23. Kinobe RT, Simpson JA, , Brunt KR, Hall SR, Ballantyne L, **Ogunyankin KO**, Ward C, Melo LG. Kinobe RT, Simpson JA, Brunt KR, Hall SR, Ballantyne LL, Ogunyankin KO et al. Heme Oxygenase-1 Attenuates Isoproterenol-induced Cardiac Hypertrophy in vivo. *FASEB J.* 2008;22:970.

- A24. Ogunyankin K.O, Saluja J, Day A.G, Severe Diastolic Dysfunction in Non-Hospitalized Patients Is Associated With Unexpectedly High Mortality J Am Coll Cardiol 2008; 51 (10) Suppl A; A98; 901-252.
- A25. Ogunyankin K.O, Day AG, Burggraf GW, Lahey K, LaHaye S. Comparative Event-Free Prognosis Between Hemodynamically Equivalent Clinical And Echocardiographic Methods For Estimating Left Ventricular Filling Pressure J Am Soc of Echocardiogr 2007; 20(5) 583: P2-18
- A26. Ogunyankin K.O, Lahey K, LaHaye S, Burggraf GW, Day AG. A Validated Three-Stage Classification of Left Ventricular Diastolic function Is a Better Prognosticator Of Mortality Than Ejection Fraction. J Am Soc of Echocardiogr 2007; 20(5) 581 : P2-08
- A27. Ogunyankin K.O, Day A.G, Farrell B. Does Arterial Waveform Analysis Further Stratify Hypertensive Patients Treated to Optimal Blood Pressure Control? Journal of Clinical Hypertension 2007, Vol 9, Suppl A : P-216 A92
- A28. Ogunyankin K.O, Farrell B, Londry C.C, Day A.G. Personalized Aggressive Blood Pressure Treatment for 6 months is associated with sustained Hypertension Control. Journal of Clinical Hypertension 2007, Vol 9, Suppl A : P-417 A174
- A29. Liu XL, Simpson J, Brunt K, Hall S, Kinobe R, Ogunyankin K *et al.* Pre-emptive heme oxygenase-1 (HO-1) gene delivery reduces mortality and preserves left ventricular function one-year after acute myocardial infarction. FASEB Journal 2007;21:A1224-A1225.
- A30. Simpson JA, Liu XL, Brunt KR, Hall SRR, Peng YQ, Ogunyankin KO *et al.* Hemin enhances cardiac performance in response to pressure overload (PO): Implications for treatment of heart failure. FASEB Journal 2007;21:A1258.
- A31. Ogunyankin KO. The normal reference range of echocardiographic parameters may mask evidence of correctable target organ damage due to hypertension. Can J Cardiol 2006; 22 Suppl D: 125D-352
- A32. Ogunyankin KO, Farrell B, Londry CC, AG Day, Burggraf GW. Interval changes in echocardiographic markers of diastolic function may be better than changes in left ventricular mass as the earliest evidence of physiologic response to aggressive treatment of hypertension. Can J Cardiol 2006; 22 Suppl D:113D-306
- A33. Ogunyankin KO, Day, AG. Is Masked Hypertension Caused by the Different Diagnostic Threshold Used for Ambulatory, and Office Blood Pressure Measurements? Journal of Hypertension Volume 24, Supplement 4, June 2006, page S270 P14.438
- A34. Ogunyankin KO. Comparison of Various Methods for Obtaining Office Blood Pressure With 24-Hour Ambulatory Blood Pressure Measurements. Journal of Hypertension Volume 24, Supplement 4, June 2006, page S270 P14.437
- A35. Ogunyankin KO. Frequent Monitoring and Intensive Outpatient Management are Necessary to Normalize Blood Pressure in Adults With Uncomplicated Hypertension. Journal of Hypertension Volume 24, Supplement 4, June 2006, page S173 P11.50
- A36. Ogunyankin KO, Londry CC, Veenhuyzen J, Veenhuyzen GD, Simpson CS, Abdollah H. Parameters Used To Screen For Cardiac Dyssynchrony Remain Significantly Abnormal Even In Clinical Responders To Biventricular Pacing. Can J Cardiol 2005; 21 Suppl C: 52C #065.

- A37. Ogunyankin KO, Londry C, Malik P, Burggraf G W, Sanfilippo A. A stepwise grading of diastolic function using echocardiographic parameters: validation and utility. *J Am Soc Echocardiogr* 2004; 17: 550– P4-40
- A38. Ogunyankin KO. Are Serial Estimates of Left Ventricular Filling Pressure by Different Echocardiographic Modalities Reliable? *J Am Soc Echocardiogr* 2003;16:540.
- A39. Ogunyankin KO. Reliable Predication of Mean Left Ventricular Diastolic Pressure may Require a Stepwise Approach. *J Am Soc Echocardiogr* 2003;16:540.
- A40. Gianluca M, Ogunyankin KO, Avelar E , Pandian NG Quantitative Evaluation of Age related Changes in Global Left Ventricular Shape in the Absence of Heart Disease *J Am Coll Cardiol* 1998: 406A; 913-4.
- A41. Takeuchi M, McCreary T, Ogunyankin K, Pandian NG et al. A New Tissue Targeted Ultrasound Contrast Agent, MRX408 Improves Visualization and Delineation of Left Atrial Appendage Clot with Conventional 2-Dimensional Echocardiography. *J Am Coll Cardiol* 1998: 400A; 907-2.
- A42. Ogunyankin KO, Takeuchi M, Pandian NG. Feasibility and application of simultaneous analysis of regional systolic and diastolic tissue velocities in multiple segments of the myocardium from a single cine-loop of multiple cardiac cycles. *J Am Soc Of Echocardiogr* 1998; 11:522-102S
- A43. Takeuchi M, Ogunyankin K, McCreary T, Pandian NG. Comparison of imaging modalities for visualization of intravascular and intracardiac clots following thrombus specific contrast (MRX408) infusion: Does harmonic imaging improve clot detection? . *J Am Soc Of Echocardiogr* 1998; 11:523-201C.
- A44. Yao J, Masaaki T, Teupe C, Avelar E, Abadi C, Ogunyankin K, Pandian N. 3-Dimensional contrast echocardiography can delineate and quantify residual infarct mass and salvaged myocardial mass in reperfused myocardium following acute ischemia: Experimental studies using a new contrast agent -SHU 563A. *Circulation* 1998; 98 (17) 1-194-I-1008
- A45. Takeuchi M, Teupe C, Yao J, Abadi C, Avelar E, Connolly R, Ogunyankin K, Fritzsche T, Pandian N. Study of myocardial microvascular flow by acoustically stimulated emission (ASEM) Analysis with harmonic power Doppler and variance mode color doppler to assess efficacy of myocardial reperfusion. *Circulation* 1998; 98 (17) 1-77-I-388

INVITED PRESENTATIONS:

- June 13 2016. Panel presenter, American Society of Echocardiography 27th Annual Scientific session. Seattle, Washington USA
- April 1-4 2016. Session Co-Chair. 65th Annual Scientific Session of the American College of Cardiology. Chicago USA
- April 1 2016. Presenter 65th Annual Scientific Session of the American College of Cardiology Chicago USA
- May 3-6 2014. Invited faculty presenter World Congress of Cardiology Melbourne Australia. “Imaging needs in Africa- A view from the ground”
- April 16-17 2009 Invited research presenter: Annual Observational Study Monitoring Board (OSMB) meeting of the Coronary Artery Risk Development in Young Adults (CARDIA)

Bethesda, MA: One of only 3 presenters from the whole network of CARDIA investigators to showcase innovative and impactful results from this study now in its 25th year.

- Echo Northwestern October 2008 Chicago: “State of the art imaging in hypertensive heart disease
- Echo Northwestern October 2008 Chicago: Workshops “Knobology”
- Echo Northwestern October 2008 Chicago IL: “Echocardiographic assessment of pericardial diseases”
- Echo Northwestern October 2009: “Hypertension means more than high blood pressure”
- Scientific Session of Nigerian Heart 2008, Lagos Nigeria September 26th 2008 “Use of Echocardiography in diagnosing and managing cardiomyopathies”
- Echo Northwestern October 2007 Chicago IL U.S.A: Workshop “How to do Velocity Vector Imaging”
- Keynote Speaker The 6th Annual General meeting ‘Canadian Association of Nigerian Physicians And Dentists CANPAD August 4 2007 Toronto ON Canada, “Blood Pressure misconceptions”
- Grand Round Department of Medicine, Queen’s University Kingston Ontario January 11 2007. “Aggressive normalization of high Blood pressure: Is it feasible, necessary or just a myth”
- Annual Cardiology CME program October 5 2005 Kingston ON Canada: Workshops on Refractory hypertension
- Tissue Doppler: How should it be done? What does it mean? National Capital Echocardiography Rounds Ottawa Ontario Canada. September 2004
- Sonographers Room. Canadian Society of Echocardiography Annual Echo Weekend, Vancouver, BC, April 2003
- Approach to a Hypertensive Patient. Canadian Society of Echocardiography Annual Echo Weekend, Alliston, ON, April 2002
- New Concepts in the management of cardiovascular risk factor. Medical Grand Round given at Wilson Memorial Hospital Binghamton NY April 12 2001
- Echocardiography in the evaluation of congestive heart failure: Focus on Diastology. Given to Central New York Academy of Medicine, New Hartford NY Jan 21 1999
- Emerging concepts in the pharmacologic treatment of hypertension Department of Pharmacology and Toxicology, Queen’s University, Kingston, ON, January 2003
- Brain protection and stroke in relation to hypertension. Continuing Medical Education, Queen’s University, Kingston, ON, March 2003
- Workshop on White Coat Hypertension. September 2004 Kingston ON Canada. Cardiology CME Conference