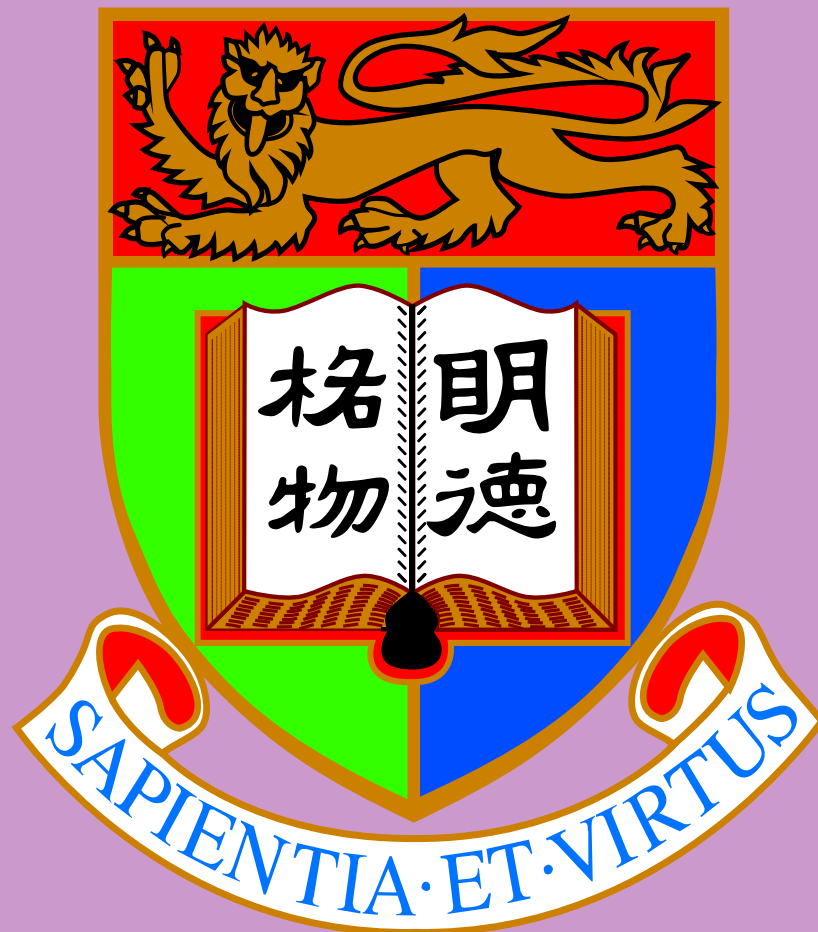


香港大學心臟血管研究所

THE INSTITUTE OF CARDIOVASCULAR
SCIENCE AND MEDICINE



2013 Annual Report

Mission Statement of the
Institute of Cardiovascular Science and Medicine

The Institute of Cardiovascular Science and Medicine (ICSM) commits itself to strive for excellence in research, teaching and training in cardiovascular sciences which contributes to the prevention and patient management of cardiovascular diseases in Hong Kong.

We shall offer the highest standards of teaching research and scholarship in an interactive environment conducive to creativity, to innovative learning and to freedom of thought, enquiry and expression in all aspects of cardiovascular sciences.

We shall continue to undertake research, teaching and other forms of service in clinical and basic cardiovascular sciences which will advance our quest for wisdom, truth and excellence in biomedical science at large.

We shall make known the mission of this Institute in Hong Kong and internationally.

Governance

Council

The members of the Institute elect a Council, who are responsible for carrying out the work of the Institute according to its Mission, Objectives, By-Laws and Regulations. The Council consists of the Officers, the immediate Former Director (if available), and three to ten Council Members. The Officers of the Institute are the Director, Deputy Director, Honorary Secretary and Honorary Treasurer. Each Council serves the Institute for a period of two years. The Seventh Council of the Institute was elected at the 17th Annual General Meeting on 23rd November 2013, and remained in office throughout 2015.

Ninth Council of the ICSM

Director:	Professor B.M.Y. Cheung	Council Members:	Professor K.R. Boheler
Deputy Director:	Dr. H.J. Ballard		Dr M.P.H. Chan
			Professor Y. Huang
			Dr M.C.W. Kong
Honorary Secretary:	Dr. G.P.H. Leung		Dr S.W.S. Leung
			Professor R.A. Li
			Professor R.Y.K. Man
Honorary Treasurer:	Dr. M.L. Fung		Dr. E.H.C. Tang
			Professor P.M. Vanhoutte
			Dr Q. Yang
			Dr K.K.H. Yiu

Membership

At the end of the year 2013, membership stood at 128, and consisted of 12 Founding Members, 45 Full Members, 6 Associate members and 65 Affiliate Members.

Criteria for membership

Clinicians, scientists, researchers and students with an interest in the cardiovascular field are invited to become members of the Institute. The classes of membership open to applicants are Full, Associate or Affiliate Membership.

All applicants for admission shall

1. Be at least 18 years of age; and
2. Be of good character and repute; and
3. Undertake in writing to adhere to the By-Laws of the Institute, as amended from time to time.

Applicants for admission as a Full Member shall also

1. Be a full time or honorary teacher (Assistant Professor, Honorary Clinical Lecturer or above) of the University of Hong Kong or be deemed to be holding an equivalent position; and
2. Be engaged in research in cardiovascular science or cardiovascular medicine, as evidenced by his or her published works.

Applicants for admission as Associates shall also

1. Possess either a medical degree (MBBS or equivalent) plus a higher qualification (MRCP or equivalent), or a doctorate (PhD or equivalent) in science; and
2. Be engaged in research in cardiovascular science or cardiovascular medicine.

Applicants for admission as Affiliates shall also

1. Possess a University degree or equivalent in medicine, nursing or science; and
2. Be engaged in or have a strong interest in cardiovascular research.

Applications for membership, accompanied by the appropriate supporting documents (e.g. resume, list of relevant publications, copies of certificates) should be submitted to the Honorary Secretary, to whom membership enquiries may also be addressed. The application form may be obtained by writing or e-mailing (icsm@hkucc.hku.hk) to the Honorary Secretary, or it may be downloaded from the membership section of our website (<http://www.icsm-hk.org>)

Research

Scientific Meetings

The Seventeenth Annual Scientific Meeting: Translating Advances in Science into Improvements in Cardiovascular Health

The Seventeenth Annual Scientific Meeting was held on November 23th 2013 at the Hong Kong Convention & Exhibition Centre, under the Co-chairmanship of Professor Bernard Cheung, Professor. C.M. Yu, Dr. David C.W. Siu, Dr. K.H. Yiu, Dr. Eva H.C. Tang, Dr. Heather Ballard and Dr. George P.H. Leung

The meeting started in the morning with oral and poster presentations by the young investigators: 27 abstracts were submitted for the meeting, and prizes were awarded to the best oral communications and the best poster presentations. The Young Investigator Awards were sponsored by the Sun Chieh Yeh Heart Foundation. In addition to the presentation by the young investigators, an invited lecture entitled “22.q11.21 Deletion Associated with Sporadic Tetralogy of Fallot in Han Chinese” was given by Prof G.W. He from Nankai University (China).

The scientific programme in the afternoon comprised two Symposia: The first symposium was named as ‘new Approaches in Treating Cardiovascular Disease’, which included the topics of ‘Personalised Medicine for Cardiovascular Diseases’, ‘Advances in Hypertension management and New Guideline Update’ and ‘Recent Advances in the Management of Heart Failure’. The lectures were given by Professor H.F. Tse from University of Hong Kong, Dr N.Y. Chan from Princess Margaret Hospital of Hong Kong and Professor C.M. Yu from Chinese University of Hong Kong. The Second symposium was named as ‘New Mechanisms and Potential Targets in Cardiovascular Diseases’ which included the lectures on ‘Bidirectional Nature of Cardiovascular and Kidney Disease’, ‘TRPC3 in Coronary Endothelial Function: Role of Hypoxia-Reoxygenation and Hyperkalemia’, Human Cardiac Tissue Fabricated from Human Embryonic Stem Cells (hESCs): Present Status and Potential Applications’ and ‘A-FABP is a Potential Mediator of Diabetic Cardiomyopathy and Ischemic Reperfusion Induced Cardiac Injury’ delivered by Dr Koichi Shimizu from Nangai Clinic and Saitama Medical School (Japan), Dr S.Q. Yang from Chinese University of Hong Kong, Dr C.W. Kong from the University of Hong Kong and Dr Ruby Hoo from the University of Hong Kong.

The meeting closed with a brief address from ICSM Director, Professor Bernard Cheung, and presentation ceremony for the Young Investigator Awards.

Seminars

To encourage the interactions among younger researchers, A seminar was held on 9th April 2013. The topics were ‘In vitro electrophysiological drug testing using mouse cardiomyocytes’ and ‘Transient receptor potential channel M2 contributes to neointimal hyperplasia in vascular walls’, which were presented by Max Chen, PhD student in the Department of Medicine, HKU and Xiaochen Ru, PhD Student in the School of Biomedical Sciences, CUHK, respectively.

External Research Grants awarded in 2013 to members of the ICSM

Principal/Co Investigator	Awarding Body	Project Title	Awards (HK\$)
Professor R.A. Li (PI)	RGC GRF	Engineering Calcium Homeostasis of hESC-derived cardiomyocytes	1,212,445
Prof H.F. Tse (PI)	RGC GRF	Effects of Catheter-based Splanchnic Denervation on Blood Pressure Control and Left Ventricular Remodeling in Porcine Model of Hypertensive Cardiomyopathy	1,039,239
Professor X.Q. Yao (PI)	RGC GRF	Role of transient receptor potential channel isoform M2 in the pathological progression of arteriosclerosis	952,636
Dr. K.H. Yiu (PI)	RGC GRF	Relationship between matrix G1a protein and osteogenic endothelial progenitor cells with vascular and valvular calcification in patients with rheumatoid arthritis: Potential therapeutic role of vitamin K	649,524

ICSM publications in 2013

Abstracts from the Seventh Annual Scientific Meeting (held in November 2013) were published in October 2013 issue of the Journal of the Hong Kong College of Cardiology (Volume 21, No. 2 pp.57-75)

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Publications of ICSM Members in 2013

Al-Daghri NM, Khan N, Alkharfy KM, Al-Attas OS, Alokail MS, Alfawaz HA, Alothman A, **Vanhoutte PM**. Selected dietary nutrients and the prevalence of metabolic syndrome in adult males and females in Saudi Arabia: a pilot study. *Nutrients* 5(11):4587-604, 2013.

Alokail MS, Sabico S, Al-Saleh Y, Al-Daghri NM, Alkharfy KM, **Vanhoutte PM**, McTernan PG. Effects of probiotics in patients with diabetes mellitus type 2: study protocol for a randomized, double-blind, placebo-controlled trial. *Trials* 14:195, 2013.

Benda C, Zhou T, Wang X, Tian W, Grillari J, **Tse HF**, Grillari-Voglauer R, Pei D, Esteban MA. Urine as a source of stem cells. *Adv Biochem Eng Biotechnol* 129:19-32, 2013.

Bhartiya D, **Boheler KR**, Rameshwar P. Multipotent to pluripotent properties of adult stem cells. *Stem Cells Int* 2013:813780, 2013.

Boheler KR. Foreword: special issue on cancer stem cells. *J Stem Cells* 8(3-4):131-3, 2013.

Chan CK, Zhao Y, Liao SY, Zhang YL, Lee MY, Xu A, **Tse HF**, **Vanhoutte PM**. A-FABP and oxidative stress underlie the impairment of endothelium-dependent relaxations to serotonin and the intima-medial thickening in the porcine coronary artery with regenerated endothelium. *ACS Chem Neurosci* 4(1):122-9, 2013.

Chan GH, Law BY, Chu JM, Yue KK, Jiang ZH, Lau CW, **Huang Y**, Chan SW, Ying-Kit Yue P, Wong RN. Ginseng extracts restore high-glucose induced vascular dysfunctions by altering triglyceride metabolism and downregulation of atherosclerosis-related genes. *Evid Based Complement Alternat Med* 2013:797310, 2013.

Chan HT, **Yiu KH**, Wong CY, Li SW, Tam S, **Tse HF**. Increased dietary fruit intake was associated with lower burden of carotid atherosclerosis in Chinese patients with Type 2 diabetes mellitus. *Diabet Med* 30(1):100-8, 2013.

Chan LS, Lo JL, Kumana CR, **Cheung BM**. Utility of infrared thermography for screening febrile subjects. *Hong Kong Med J* 19(2):109-15, 2013.

Chan PH, Liu SS, **Tse HF**, Chow WH, Jim MH, Ho HH, Siu CW. Long-term clinical outcomes of drug-eluting stents vs. bare-metal stents in Chinese geriatric patients. *J Geriatr Cardiol*. 10(4):330-5, 2013.

Chan SW, Hu M, Ko SS, Tam CW, Fok BS, Yin OQ, Chow MS, **Tomlinson B**. CYP2C19 genotype has a major influence on labetalol pharmacokinetics in healthy male Chinese subjects. *Eur J Clin Pharmacol* 69(4):799-806, 2013.

Chan YC, Ting S, Lee YK, Ng KM, Zhang J, Chen Z, Siu CW, Oh SK, **Tse HF**. Electrical stimulation promotes maturation of cardiomyocytes derived from human embryonic stem cells. *J Cardiovasc Transl Res* 6(6):989-99, 2013.

Chan YH, Siu CW, Yiu KH, Yiu YF, Lau KK, Lam TH, **Lau CP**, **Tse HF**. Prolongation of PR interval is associated with endothelial dysfunction and activation of vascular repair in high-risk cardiovascular patients. *J Interv Card Electrophysiol* 37(1):55-61, 2013.

Cheang WS, Lam MY, Wong WT, Tian XY, Lau CW, Zhu Z, Yao X, **Huang Y**. Menthol relaxes rat aortae, mesenteric and coronary arteries by inhibiting calcium influx. *Eur J Pharmacol* 702(1-3):79-84, 2013.

Chen J, Zhou X, Li C, **Cheung BM**. Risk of stroke due to spontaneous cervical artery dissection. *Intern Med* 52(19):2237-40, 2013.

Chen RH, Wong SJ, Wong WH, **Cheung YF**. Left ventricular contractile reserve after arterial switch operation for complete transposition of the great arteries: an exercise echocardiographic study. *Eur Heart J Cardiovasc Imaging* 14(5):480-6, 2013.

Cheung BM, Cheung TT, Samaranayake NR. Safety of antiobesity drugs. *Ther Adv Drug Saf.* 4(4):171-81, 2013.

Cheung CL, Cheung TT, Lam KS, **Cheung BM**. High ferritin and low transferrin saturation are associated with pre-diabetes among a national representative sample of U.S. adults. *Clin Nutr* 32(6):1055-60, 2013.

Cheung CL, Cheung TT, Lam KS, **Cheung BM**. Reduced serum beta-trace protein is associated with metabolic syndrome. *Atherosclerosis* 227(2):404-7, 2013.

Cheung CL, Lam KS, **Cheung BM**. Serum beta-2 microglobulin concentration predicts cardiovascular and all-cause mortality. *Int J Cardiol* 168(5):4811-3, 2013.

Cheung CL, Lam KS, **Cheung BM**. Serum β -2 microglobulin predicts mortality in people with diabetes. *Eur J Endocrinol* 169(1):1-7, 2013.

Cheung CL, Tan KC, Lam KS, **Cheung BM**. The relationship between glucose metabolism, metabolic syndrome, and bone-specific alkaline phosphatase: a structural equation modeling approach. *J Clin Endocrinol Metab* 98(9):3856-63, 2013.

Cheung YF, Yu W, Cheuk DK, Cheng FW, Yang JY, Yau JP, Ho KK, Li CK, Li RC, Yuen HL, Ling AS, Li VW, Wong WK, Tsang KC, Chan GC. Plasma high sensitivity troponin T levels in adult survivors of childhood leukaemias: determinants and associations with cardiac function. *PLoS One* 8(10):e77063, 2013.

Chiang CE, Zhang S, **Tse HF**, Teo WS, Omar R, Sriratanasathavorn C. Atrial fibrillation management in Asia: from the Asian expert forum on atrial fibrillation. *Int J Cardiol* 164(1):21-32, 2013.

Chow M, **Boheler KR**, **Li RA**. Human pluripotent stem cell-derived cardiomyocytes for heart regeneration, drug discovery and disease modeling: from the genetic, epigenetic, and tissue modeling perspectives. *Stem Cell Res Ther* 4(4):97, 2013.

Chow MZ, Geng L, **Kong CW**, Keung W, Fung JC, **Boheler KR**, **Li RA**. Epigenetic regulation of the electrophysiological phenotype of human embryonic stem cell-derived ventricular cardiomyocytes: insights for driven maturation and hypertrophic growth. *Stem Cells Dev* 22(19):2678-90, 2013.

Chow WS, Tso AW, Xu A, Yuen MM, Fong CH, Lam TH, Lo SV, Tse HF, Woo YC, Yeung CY, **Cheung BM**, Lam KS. Elevated circulating adipocyte-fatty acid binding protein levels predict incident cardiovascular events in a community-based cohort: a 12-year prospective study. *J Am Heart Assoc* 2(1):e004176, 2013.

Chow WS, Xu A, Woo YC, Tso AW, Cheung SC, Fong CH, Tse HF, Chau MT, **Cheung BM**, Lam KS. Serum fibroblast growth factor-21 levels are associated with carotid atherosclerosis independent of established cardiovascular risk factors. *Arterioscler Thromb Vasc Biol* 33(10):2454-9, 2013.

Ci HB, Ou ZJ, Chang FJ, Liu DH, **He GW**, Xu Z, Yuan HY, Wang ZP, Zhang X, Ou JS. Endothelial microparticles increase in mitral valve disease and impair mitral valve endothelial function. *Am J Physiol Endocrinol Metab* 304(7):E695-702, 2013.

Félétou M, **Vanhoutte PM**. Endothelium-dependent hyperpolarization: no longer an f-word! *J Cardiovasc Pharmacol* 61(2):91-2, 2013.

Fok BS, Gardner S, Piscitelli S, Chen S, Chu TT, Chan JC, **Tomlinson B**. Pharmacokinetic properties of single-dose lamivudine/adefovir dipivoxil fixed-dose combination in healthy Chinese male volunteers. *Clin Ther* 35(1):68-76, 2013.

Gao G, Liu XC, Jing WB, **Yang Q**, **He GW**. Vasorelaxation induced by new third-generation dihydropyridine calcium antagonist azelnidipine in human internal mammary artery. *Ann Thorac Surg* 96(4):1316-21, 2013.

Gao G, Xuan C, Yang Q, Liu XC, Liu ZG, **He GW**. Identification of altered plasma proteins by proteomic study in valvular heart diseases and the potential clinical significance. *PLoS One* 8(8):e72111, 2013.

Guo Y, Chan KH, Lai WH, Siu CW, Kwan SC, **Tse HF**, Wing-Lok Ho P, Wing-Man Ho J. Human mesenchymal stem cells upregulate CD1dCD5(+) regulatory B cells in experimental autoimmune encephalomyelitis. *Neuroimmunomodulation* 20(5):294-303, 2013.

Han J, Chen ZW, **He GW**. Acetylcholine- and sodium hydrosulfide-induced endothelium-dependent relaxation and hyperpolarization in cerebral vessels of global cerebral ischemia-reperfusion rat. *J Pharmacol Sci* 121(4):318-26, 2013.

He GW. Arterial grafts: clinical classification and pharmacological management. *Ann Cardiothorac Surg* 2(4):507-18, 2013.

Hu J, Liu J, Kwok MW, Wong RH, **Huang Y**, Wan S. Bone morphogenic protein-4 contributes to venous endothelial dysfunction in patients with diabetes undergoing coronary revascularization. *Ann Thorac Surg* 95(4):1331-9, 2013.

Hu M, Lan W, Lam CW, Mak YT, Pang CP, **Tomlinson B**. Heterozygous familial hypercholesterolemia in Hong Kong Chinese. Study of 252 cases. *Int J Cardiol* 167(3):762-7, 2013.

Hu M, Lui SS, Ko GT, **Tomlinson B**. Do the lipid responses to rosuvastatin and atorvastatin differ between Chinese and Caucasians? Comparison of the DISCOVERY-Hong Kong study with other DISCOVERY studies. *Int J Cardiol* 168(3):3071-3, 2013.

Hu M, Mak VW, Xiao Y, **Tomlinson B**. Associations between the genotypes and phenotype of CYP3A and the lipid response to simvastatin in Chinese patients with hypercholesterolemia. *Pharmacogenomics* 14(1):25-34, 2013.

Hu M, Mak VW, Yin OQ, Chu TT, **Tomlinson B**. Effects of grapefruit juice and SLCO1B1 388A>G polymorphism on the pharmacokinetics of pitavastatin. *Drug Metab Pharmacokinet* 28(2):104-8, 2013.

Hu M, **Tomlinson B**. Current Perspectives on rosuvastatin. *Integr Blood Press Control* 6:15-25, 2013.

Hu M, **Tomlinson B**. Lipid-lowering pharmacogenomics in Chinese patients. *Expert Rev Cardiovasc Ther* 11(8):985-97, 2013.

Hu M, **Tomlinson B**. Pharmacogenomics of lipid-lowering therapies. *Pharmacogenomics* 14(8):981-95, 2013.

Hung MW, Kravtsov GM, Lau CF, Poon AM, Tipoe GL, **Fung ML**. Melatonin ameliorates endothelial dysfunction, vascular inflammation, and systemic hypertension in rats with chronic intermittent hypoxia. *J Pineal Res* 55(3):247-56, 2013.

Jiang P, Chen C, Liu XB, Selvaraj V, Liu W, Feldman DH, Liu Y, Pleasure DE, **Li RA**, Deng W. Generation and characterization of spiking and nonspiking oligodendroglial progenitor cells from embryonic stem cells. *Stem Cells* 31(12):2620-31, 2013.

Jiao R, Chen J, Peng C, Liang Y, Ma KY, Wang X, Liu Y, Lei L, **Huang Y**, Chen ZY. Cholesteryl ester species differently elevate plasma cholesterol in hamsters. *J Agric Food Chem* 61(46):11041-7, 2013.

Jim MH, Fung RC, **Yiu KH**, Ng AK, Siu CW, Fan KY. Combined paclitaxel-eluting balloon and Genous cobalt-chromium alloy stent utilization in de novo coronary stenoses (PEGASUS). *J Interv Cardiol* 26(6):556-60, 2013.

Jim MH, **Yiu KH**, Ho HH, Chan WL, Ng AK, Siu CW, Chow WH. Angiographic and clinical outcomes of everolimus-eluting stent in the treatment of extra long stenoses (AEETES). *J Interv Cardiol* 26(1):22-8, 2013.

Jong HL, Mustafa MR, **Vanhoutte PM**, AbuBakar S, Wong PF. MicroRNA 299-3p modulates replicative senescence in endothelial cells. *Physiol Genomics* 45(7):256-67, 2013.

Juni RP, Duckers HJ, **Vanhoutte PM**, Virmani R, Moens AL. Oxidative stress and pathological changes after coronary artery interventions. *J Am Coll Cardiol* 61(14):1471-81, 2013.

Kai AK, Lam AK, Chen Y, Tai AC, Zhang X, Lai AK, Yeung PK, Tam S, Wang J, Lam KS, **Vanhoutte PM**, Bos JL, Chung SS, Xu A, Chung SK. Exchange protein activated by cAMP 1 (Epac1)-deficient mice develop β -cell dysfunction and metabolic syndrome. *FASEB J* 27(10):4122-35, 2013.

Katsanos S, **Yiu KH**, Clavel MA, Rodés-Cabau J, Leong D, van der Kley F, Ajmone Marsan N, Bax JJ, Pibarot P, Delgado V. Impact of valvuloarterial impedance on 2-year outcome of patients undergoing transcatheter aortic valve implantation. *J Am Soc Echocardiogr* 26(7):691-8, 2013.

Lai CT, Ng EK, Chow PC, Kwong A, **Cheung YF**. Circulating microRNA expression profile and systemic right ventricular function in adults after atrial switch operation for complete transposition of the great arteries. *BMC Cardiovasc Disord* 13:73, 2013.

Lai WH, Ho JC, Chan YC, Ng JH, Au KW, Wong LY, Siu CW, **Tse HF**. Attenuation of hind-limb ischemia in mice with endothelial-like cells derived from different sources of human stem cells. *PLoS One* 8(3):e57876, 2013.

Lam MP, Yeung CK, **Cheung BM**. Pharmacogenetics of allopurinol--making an old drug safer. *J Clin Pharmacol* 53(7):675-9, 2013.

Lau CP, Gbadebo TD, Connolly SJ, Van Gelder IC, Capucci A, Gold MR, Israel CW, Morillo CA, Siu CW, Abe H, Carlson M, **Tse HF**, Hohnloser SH, Healey JS; ASSERT investigators. Ethnic differences in atrial fibrillation identified using implanted cardiac devices. *J Cardiovasc Electrophysiol* 24(4):381-7, 2013.

Lau CP, Siu CW, **Tse HF**. Pacing inducibility for atrial fibrillation: a test tested? *J Cardiovasc Electrophysiol* 24(6):624-5, 2013.

Lau CP, Tachapong N, Wang CC, Wang JF, Abe H, Kong CW, Liew R, Shin DG, Padeletti L, Kim YH, Omar R, Jirarajanakorn K, Kim YN, Chen MC, Sriratanasathavorn C, Munawar M, Kam R, Chen JY, Cho YK, Li YG, Wu SL, Bailleul C, **Tse HF**; Septal Pacing for Atrial Fibrillation Suppression Evaluation Study Group. Prospective randomized study to assess the efficacy of site and rate of atrial pacing on long-term progression of atrial fibrillation in sick sinus syndrome: Septal Pacing for Atrial Fibrillation Suppression Evaluation (SAFE) Study. *Circulation* 128(7):687-93, 2013.

Lau KK, Chan YH, Wong YK, Teo KC, **Yiu KH**, Liu S, Li LS, Shu XO, Ho SL, Chan KH, Siu CW, **Tse HF**. Garlic intake is an independent predictor of endothelial function in patients with ischemic stroke. *J Nutr Health Aging* 17(7):600-4, 2013.

Lau TY, Xiao J, Liong EC, Liao L, Leung TM, Nanji AA, **Fung ML**, Tipoe GL. Hepatic response to chronic hypoxia in experimental rat model through HIF-1 alpha, activator protein-1 and NF-kappa B. *Histol Histopathol* 28(4):463-71, 2013.

Law SK, Leung CS, Yau KL, Tse CL, Wong CK, Leung FP, Mascheck L, **Huang Y**, Sauer H, Tsang SY. Regulation of multiple transcription factors by reactive oxygen species and effects of pro-inflammatory cytokines released during myocardial infarction on cardiac differentiation of embryonic stem cells. *Int J Cardiol* 168(4):3458-72, 2013.

Lee HK, Ho CS, Hu M, **Tomlinson B**, Wong CK. Development and validation of a sensitive method for simultaneous determination of rosuvastatin and N-desmethyl rosuvastatin in human plasma using liquid chromatography/negative electrospray ionization/tandem mass spectrometry. *Biomed Chromatogr* 27(11):1369-74, 2013.

Lee HK, Hu M, Lui SSh, Ho CS, Wong CK, **Tomlinson B**. Effects of polymorphisms in ABCG2, SLCO1B1, SLC10A1 and CYP2C9/19 on plasma concentrations of rosuvastatin and lipid response in Chinese patients. *Pharmacogenomics* 14(11):1283-94, 2013.

Lee HL, Chiu KY, **Yiu KH**, Ng FY, Yan CH, Chan PK. Perioperative antithrombotic management in joint replacement surgeries. *Hong Kong Med J* 19(6):531-8, 2013.

Leng XY, Chen XY, Chook P, Xiong L, Lin WH, Liu JY, **Tomlinson B**, Thomas GN, Lam TH, Lam KS, **Cheung BM**, Wong KS. Association between metabolic syndrome and carotid atherosclerosis: a community-based study in Hong Kong. *Metab Syndr Relat Disord* 11(2):109-14, 2013.

Leng XY, Chen XY, Chook P, Xiong L, Lin WH, Liu JY, **Tomlinson B**, Thomas GN, Lam TH, Lam KS, **Cheung BM**, Wong KS. Correlation of large artery intracranial occlusive disease with carotid intima-media thickness and presence of carotid plaque. *Stroke* 44(1):68-72, 2013.

Leung SB, Zhang H, Lau CW, **Huang Y**, Lin Z. Salidroside improves homocysteine-induced endothelial dysfunction by reducing oxidative stress. *Evid Based Complement Alternat Med* 2013:679635, 2013.

Li RW, Yang C, **Kwan YW**, Chan SW, Lee SM, **Leung GP**. Involvement of organic cation transporter-3 and plasma membrane monoamine transporter in serotonin uptake in human brain vascular smooth muscle cells. *Front Pharmacol* 4:14, 2013.

Li S, Chen G, **Li RA**. Calcium signalling of human pluripotent stem cell-derived cardiomyocytes. *J Physiol* 591(Pt 21):5279-90, 2013.

Li SN, Yu W, Lai CT, Wong SJ, **Cheung YF**. Left ventricular mechanics in repaired tetralogy of Fallot with and without pulmonary valve replacement: analysis by three-dimensional speckle tracking echocardiography. *PLoS One* 8(11):e78826, 2013.

Li X, **Tse HF**, **Yiu KH**, Zhang C, Jin LJ. Periodontal therapy decreases serum levels of adipocyte fatty acid-binding protein in systemically healthy subjects: a pilot clinical trial. *J Periodontol Res* 48(3):308-14, 2013.

Li YZ, Gong GQ, Yang WH, Wang XH, Jiang ML, Zhou Y, Yang XZ, Xu YG, **He GW**. Antithrombotic activity of HY023016, a novel Dabigatran prodrug evaluated in animal thrombosis models. *Thromb Res* 131(5):425-35, 2013.

Li Z, Wang Y, **Man RY**, **Vanhoutte PM**. Upregulation of heme oxygenase-1 potentiates EDH-type relaxations in the mesenteric artery of the spontaneously hypertensive rat. *Am J Physiol Heart Circ Physiol* 305(10):H1471-83, 2013.

Liang CF, Liu JT, Wang Y, Xu A, **Vanhoutte PM**. Toll-like receptor 4 mutation protects obese mice against endothelial dysfunction by decreasing NADPH oxidase isoforms 1 and 4. *Arterioscler Thromb Vasc Bio* 33(4):777-84, 2013.

Liang Y, Chen J, Zuo Y, Ma KY, Jiang Y, **Huang Y**, Chen ZY. Blueberry anthocyanins at doses of 0.5 and 1 % lowered plasma cholesterol by increasing fecal excretion of acidic and neutral sterols in hamsters fed a cholesterol-enriched diet. *Eur J Nutr* 52(3):869-75, 2013.

Liang YT, Tian XY, Chen JN, Peng C, Ma KY, Zuo Y, Jiao R, Lu Y, **Huang Y**, Chen ZY. Capsaicinoids lower plasma cholesterol and improve endothelial function in hamsters. *Eur J Nutr* 52(1):379-88, 2013.

Liao SB, Wong PF; WSO, **Cheung BM**, Tang F. Effects of adrenomedullin on tumour necrosis factor alpha, interleukins, endothelin-1, leptin, and adiponectin in the epididymal fat and soleus muscle of the rat. *Horm Metab Res* 45(1):31-7, 2013.

Liao SY, **Tse HF**, Chan YC, Mei-Chu Yip P, Zhang Y, Liu Y, **Li RA**. Overexpression of Kir2.1 channel in embryonic stem cell-derived cardiomyocytes attenuates posttransplantation proarrhythmic risk in myocardial infarction. *Heart Rhythm* 10(2):273-82, 2013.

Liao SY, **Tse HF**. Multipotent (adult) and pluripotent stem cells for heart regeneration: what are the pros and cons? *Stem Cell Res Ther* 4(6):151, 2013.

Lieu DK, Fu JD, Chiamvimonvat N, Tung KC, McNERNEY GP, Huser T, Keller G, **Kong CW**, **Li RA**. Mechanism-based facilitated maturation of human pluripotent stem cell-derived cardiomyocytes. *Circ Arrhythm Electrophysiol* 6(1):191-201, 2013.

Lin AH, Li RW, Ho EY, Leung GP, **Leung SW**, **Vanhoutte PM**, **Man RY**. Differential ligand binding affinities of human estrogen receptor- α isoforms. *PLoS One* 8(4):e63199, 2013.

Liu Y, Tian XY, Mao G, Fang X, **Fung ML**, Shyy JY, Huang Y, Wang N. Response to overexpression of 5-hydroxytryptamine 2B receptor gene in pulmonary hypertension: still a long way to understand its transcriptional regulation. *Hypertension* 61(4):e30, 2013.

Lui KO, Zangi L, Silva EA, Bu L, Sahara M, **Li RA**, Mooney DJ, Chien KR. Driving vascular endothelial cell fate of human multipotent Isl1⁺ heart progenitors with VEGF modified mRNA. *Cell Res* 23(10):1172-86, 2013.

Lui MM, **Tse HF**, Mak JC, Lam JC, Lam DC, Tan KC, Ip MS. Altered profile of circulating endothelial progenitor cells in obstructive sleep apnea. *Sleep Breath* 17(3):937-42, 2013.

Ma X, Du J, Zhang P, Deng J, Liu J, Lam FF, **Li RA**, **Huang Y**, Jin J, **Yao X**. Functional role of TRPV4-KCa2.3 signaling in vascular endothelial cells in normal and streptozotocin-induced diabetic rats. *Hypertension* 62(1):134-9, 2013.

Mao X, Wang T, Liu Y, Irwin MG, Ou JS, Liao XL, Gao X, Xu Y, Ng KF, **Vanhoutte PM**, Xia Z. N-acetylcysteine and allopurinol confer synergy in attenuating myocardial ischemia injury via restoring HIF-1 α /HO-1 signaling in diabetic rats. *PLoS One*. 8(7):e68949, 2013.

Ong KL, Allison MA, **Cheung BM**, Wu BJ, Barter PJ, Rye KA. Trends in C-reactive protein levels in US adults from 1999 to 2010. *Am J Epidemiol* 177(12):1430-42, 2013.

Ong KL, Wu BJ, **Cheung BM**, Barter PJ, Rye KA. Arthritis: its prevalence, risk factors, and association with cardiovascular diseases in the United States, 1999 to 2008. *Ann Epidemiol* 23(2):80-6, 2013.

Poon E, Yan B, Zhang S, Rushing S, Keung W, Ren L, Lieu DK, Geng L, Kong CW, Wang J, Wong HS, **Boheler KR**, **Li RA**. Transcriptome-guided functional analyses reveal novel biological properties and regulatory hierarchy of human embryonic stem cell-derived ventricular cardiomyocytes crucial for maturation. *PLoS One* 8(10):e77784, 2013.

Samaranayake NR, Cheung ST, Chui WC, **Cheung BM**. The pattern of the discovery of medication errors in a tertiary hospital in Hong Kong. *Int J Clin Pharm* 35(3):432-8, 2013.

Scharf M, Neef S, Freund R, Geers-Knörr C, Franz-Wachtel M, Brandis A, Krone D, Schneider H, Groos S, Menon MB, Chang KC, Kraft T, Meissner JD, **Boheler KR**, Maier LS, Gaestel M, Scheibe RJ. Mitogen-activated protein kinase-activated protein kinases 2 and 3 regulate SERCA2a expression and fiber type composition to modulate skeletal muscle and cardiomyocyte function. *Mol Cell Biol* 33(13):2586-602, 2013.

Schjerning J, Uhrenholt TR, Svenningsen P, **Vanhoutte PM**, Skøtt O, Jensen BL, Hansen PB. Histamine-dependent prolongation by aldosterone of vasoconstriction in isolated small mesenteric arteries of the mouse. *Am J Physiol Heart Circ Physiol* 304(8):H1094-102, 2013.

Seto SW, Au AL, Poon CC, Zhang Q, Li RW, Yeung JH, Kong SK, Ngai SM, Wan S, Ho HP, Lee SM, Hoi MP, Chan SW, **Leung GP**, **Kwan YW**. Acute simvastatin inhibits K ATP channels of porcine coronary artery myocytes. *PLoS One* 8(6):e66404, 2013.

Stæhr M, Hansen PB, Madsen K, **Vanhoutte PM**, Nüsing RM, Jensen BL. Deletion of cyclooxygenase-2 in the mouse increases arterial blood pressure with no impairment in renal NO production in response to chronic high salt intake. *Am J Physiol Regul Integr Comp Physiol* 304(10):R899-907, 2013.

Stæhr M, Khatam-Lashgari A, **Vanhoutte PM**, Hansen PB, Jensen BL. The calcineurin inhibitor cyclosporine A improves lipopolysaccharide-induced vascular dysfunction but does not rescue from cardiovascular collapse in endotoxemic mice. *Pflugers Arch* 465(10):1467-75, 2013.

Ting S, Lecina M, Chan YC, **Tse HF**, Reuveny S, Oh SK. Nutrient supplemented serum-free medium increases cardiomyogenesis efficiency of human pluripotent stem cells. *World J Stem Cells* 5(3):86-97, 2013.

To KK, **Tomlinson B**. Targeting the ABCG2-overexpressing multidrug resistant (MDR) cancer cells by PPAR γ agonists. *Br J Pharmacol* 170(5):1137-51, 2013.

Tse HF, Ho JC, Choi SW, Lee YK, Butler AW, Ng KM, Siu CW, Simpson MA, Lai WH, Chan YC, Au KW, Zhang J, Lay KW, Esteban MA, Nicholls JM, Colman A, Sham PC. Patient-specific induced-pluripotent stem cells-derived cardiomyocytes recapitulate the pathogenic phenotypes of dilated cardiomyopathy due to a novel DES mutation identified by whole exome sequencing. *Hum Mol Genet* 22(7):1395-403, 2013.

Tse HF, Wang YJ, Ahmed Ai-Abdullah M, Pizarro-Borromeo AB, Chiang CE, Krittayaphong R, Singh B, Vora A, Wang CX, Zubaid M, Clemens A, Lim P, Hu D. Stroke prevention in atrial fibrillation--an Asian stroke perspective. *Heart Rhythm* 10(7):1082-8, 2013.

Vanhoutte PM, Gao Y. Beta blockers, nitric oxide, and cardiovascular disease. *Curr Opin Pharmacol* 13(2):265-73, 2013.

Vanhoutte PM. Airway epithelium-derived relaxing factor: myth, reality, or naivety? *Am J Physiol Cell Physiol* 304(9):C813-20, 2013.

Vanhoutte PM. MMP-7 and cardiovascular disease: not so surprising! *Basic Clin Pharmacol Toxicol* 112(1):2, 2013.

Vanhoutte PM. One or two, does it matter as long as the arterial wall is coxygenated? *Hypertension* 62(2):244-6, 2013.

Vanhoutte PM. Serotonin: beyond the brain. *ACS Chem Neurosci* 4(1):26-7, 2013.

Wang J, Chen A, Lieu DK, Karakikes I, Chen G, Keung W, Chan CW, Hajjar RJ, Costa KD, Khine M, **Li RA**. Effect of engineered anisotropy on the susceptibility of human pluripotent stem cell-derived ventricular cardiomyocytes to arrhythmias. *Biomaterials* 34(35):8878-86, 2013.

Wang LP, Wang Y, Zhao LM, **Li GR**, Deng XL. Angiotensin II upregulates K(Ca) $_{3.1}$ channels and stimulates cell proliferation in rat cardiac fibroblasts. *Biochem Pharmacol* 85(10):1486-94, 2013.

Wang T, Mao X, Li H, Qiao S, Xu A, Wang J, Lei S, Liu Z, Ng KF, Wong GT, **Vanhoutte PM**, Irwin MG, Xia Z. N-Acetylcysteine and allopurinol up-regulated the Jak/STAT3 and PI3K/Akt pathways via adiponectin and attenuated myocardial postischemic injury in diabetes. *Free Radic Biol Med*. 63:291-303, 2013.

Wang Y, Wang Z, Zuo Z, **Tomlinson B**, Lee BT, Bolger MB, Chow MS. Clinical pharmacokinetics of buffered propranolol sublingual tablet (Promptol™)-application of a new "physiologically based" model to assess absorption and disposition. *AAPS J* 15(3):787-96, 2013.

Wong HK, Ong KL, Leung RY, Cheung TT, Xu A, Lam TH, Lam KS, **Cheung BM**. Plasma level of adrenomedullin is influenced by a single nucleotide polymorphism in the adiponectin gene. *PLoS One* 8(8):e70335, 2013.

Wong HK, Ong KL, Leung RY, Lam TH, Thomas GN, Lam KS, **Cheung BM**. A single nucleotide polymorphism of interleukin-6 gene is related to plasma adrenomedullin levels. *Clin Endocrinol (Oxf)* 79(4):504-9, 2013.

Wong WT, Tian XY, Lau CW, Wang YX, Liu J, Cheang WS, Chen ZY, Mok CS, Lau CM, **Huang Y**. Renal and vascular function in pregnant and neonatal rats exposed to melamine and related compounds. *Hong Kong Med J* 19 Suppl 8:31-3, 2013.

Wu HJ, Sun HY, Wu W, Zhang YH, Qin GW, **Li GR**. Properties and molecular determinants of the natural flavone acacetin for blocking hKv4.3 channels. *PLoS One* 8(3):e57864, 2013.

Wu W, Sun HY, Deng XL, **Li GR**. EGFR tyrosine kinase regulates human small-conductance Ca²⁺-activated K⁺ (hSKCa1) channels expressed in HEK-293 cells. *Biochem J* 452(1):121-9, 2013.

Wu W, Wang Y, Deng XL, Sun HY, **Li GR**. Cholesterol down-regulates BK channels stably expressed in HEK 293 cells. *PLoS One* 8(11):e79952, 2013.

Xiao J, Guo R, **Fung ML**, Liong EC, Chang RC, Ching YP, Tipoe GL. Garlic-Derived S-Allylmercaptocysteine Ameliorates Nonalcoholic Fatty Liver Disease in a Rat Model through Inhibition of Apoptosis and Enhancing Autophagy. *Evid Based Complement Alternat Med* 2013:642920, 2013.

Xiao J, Guo R, **Fung ML**, Liong EC, Tipoe GL. Therapeutic approaches to non-alcoholic fatty liver disease: past achievements and future challenges. *Hepatobiliary Pancreat Dis Int* 12(2):125-35, 2013.

Xiao J, Liong EC, Ching YP, Chang RC, **Fung ML**, Xu AM, So KF, Tipoe GL. Lycium barbarum polysaccharides protect rat liver from non-alcoholic steatohepatitis-induced injury. *Nutr Diabetes* 3:e81, 2013.

Xu C, Bai B, Fan P, Cai Y, Huang B, Law IK, Liu L, Xu A, Tung C, Li X, Siu FM, Che CM, **Vanhoutte PM**, Wang Y. Selective overexpression of human SIRT1 in adipose tissue enhances energy homeostasis and prevents the deterioration of insulin sensitivity with ageing in mice. *Am J Transl Res* 5(4):412-26, 2013.

Xuan C, Jia KG, Wang BB, Bai XY, Gao G, **Yang Q**, Wang XL, Liu XC, Ma X, **He GW**. Identification of two novel mutations of the HOMEZ gene in Chinese patients with isolated ventricular septal defect. *Genet Test Mol Biomarkers* 17(5):390-4, 2013.

Yan YQ, Liu XC, Jing WB, Wang Z, Bai XY, **Yang Q**, **He GW**. Alteration of plasma trace elements in patients undergoing open heart surgery. *Biol Trace Elem Res* 151(3):344-9, 2013.

Yang C, Chen ZY, Wong SL, Liu J, Liang YT, Lau CW, Lee HK, **Huang Y**, Tsang SY. β -Sitosterol oxidation products attenuate vasorelaxation by increasing reactive oxygen species and cyclooxygenase-2. *Cardiovasc Res* 97(3):520-32, 2013.

Yang HT, Zhang M, Huang J, Liang H, Zhang P, **Boheler KR**. Cardiomyocytes derived from pluripotent stem cells: progress and prospects from China. *Exp Cell Res* 319(2):120-5, 2013.

Yang Q, Xue HM, Underwood MJ, Yu CM. Mechanistic studies of AVE3085 against homocysteine in endothelial protection. *Cardiovasc Drugs Ther* 27(6):511-20, 2013.

Yang XZ, Diao XJ, Yang WH, Li F, **He GW**, Gong GQ, Xu YG. Design, synthesis and antithrombotic evaluation of novel dabigatran prodrugs containing methyl ferulate. *Bioorg Med Chem Lett* 23(7):2089-92, 2013.

Yang YL, Hu M, Chang M, **Tomlinson B**. A high incidence of exanthematous eruption associated with niacin/laropiprant combination in Hong Kong Chinese patients. *J Clin Pharm Ther* 38(6):528-32, 2013.

Yeung CY, Tso AW, Xu A, Wang Y, Woo YC, Lam TH, Lo SV, Fong CH, Wat NM, Woo J, **Cheung BM**, Lam KS. Pro-inflammatory adipokines as predictors of incident cancers in a Chinese cohort of low obesity prevalence in Hong Kong. *PLoS One* 8(10):e78594, 2013.

Yeung YY, Lee SS, **Vanhoutte PM**, **Leung SW**. Prolonged exposure to lopinavir impairs endothelium-dependent hyperpolarization-mediated relaxation in rat mesenteric arteries. *J Cardiovasc Pharmacol* 62(4):397-404, 2013.

Yiu KH, de Graaf FR, van Velzen JE, Marsan NA, Roos CJ, de Bie MK, **Tse HF**, van der Wall EE, Schalij MJ, Bax JJ, Schuijf JD, Jukema JW. Different value of coronary calcium score to predict obstructive coronary artery disease in patients with and without moderate chronic kidney disease. *Neth Heart J* 21(7-8):347-53, 2013.

Yiu KH, Yeung CK, Zhao CT, Chan JC, Siu CW, Tam S, Wong CS, Yan GH, Yue WS, Khong PL, Chan HH, **Tse HF**. Prevalence and extent of subclinical atherosclerosis in patients with psoriasis. *J Intern Med* 273(3):273-82, 2013.

Yiu KH, Zhao CT, Chen Y, Siu CW, Chan YH, Lau KK, Liu S, **Lau CP**, **Tse HF**. Association of subclinical myocardial injury with arterial stiffness in patients with type 2 diabetes mellitus. *Cardiovasc Diabetol* 12:94, 2013.

Yiu YF, **Yiu KH**, Siu CW, Chan YH, Li SW, Wong LY, Lee SW, Tam S, Wong EW, Lau CP, **Cheung BM**, **Tse HF**. Randomized controlled trial of vitamin D supplement on endothelial function in patients with type 2 diabetes. *Atherosclerosis* 227(1):140-6, 2013.

Yu HK, Yu W, Cheuk DK, Wong SJ, Chan GC, **Cheung YF**. New three-dimensional speckle-tracking echocardiography identifies global impairment of left ventricular mechanics with a high sensitivity in childhood cancer survivors. *J Am Soc Echocardiogr* 26(8):846-52, 2013.

Yu S, Jia L, Zhang Y, Wu D, Xu Z, Ng CF, To KK, **Huang Y**, Chan FL. Increased expression of activated endothelial nitric oxide synthase contributes to antiandrogen resistance in

prostate cancer cells by suppressing androgen receptor transactivation. *Cancer Lett* 328(1):83-94, 2013.

Yung LM, Tian XY, Wong WT, Leung FP, Yung LH, Chen ZY, Lau CW, **Vanhoutte PM, Yao X, Huang Y**. Chronic cranberry juice consumption restores cholesterol profiles and improves endothelial function in ovariectomized rats. *Eur J Nutr* 52(3):1145-55, 2013.

Zangi L, Lui KO, von Gise A, Ma Q, Ebina W, Ptaszek LM, Später D, Xu H, Tabebordbar M, Gorbатов R, Sena B, Nahrendorf M, Briscoe DM, **Li RA**, Wagers AJ, Rossi DJ, Pu WT, Chien KR. Modified mRNA directs the fate of heart progenitor cells and induces vascular regeneration after myocardial infarction. *Nat Biotechnol* 31(10):898-907, 2013.

Zhang M, Zang KH, Luo JL, Leung FP, **Huang Y**, Lin CY, Yang ZJ, Lu AP, Tang XD, Xu HX, Sung JJ, Bian ZX. Magnolol inhibits colonic motility through down-regulation of voltage-sensitive L-type Ca²⁺ channels of colonic smooth muscle cells in rats. *Phytomedicine* 20(14):1272-9, 2013.

Zhang Y, Liang X, Lian Q, **Tse HF**. Perspective and challenges of mesenchymal stem cells for cardiovascular regeneration. *Expert Rev Cardiovasc Ther* 11(4):505-17, 2013.

Zhang YH, Wu HJ, Che H, Sun HY, Cheng LC, Li X, Au WK, **Tse HF, Li GR**. Functional transient receptor potential canonical type 1 channels in human atrial myocytes. *Pflugers Arch* 465(10):1439-49, 2013.

Zhao LM, Su XL, Wang Y, **Li GR**, Deng XL. KCa_{3.1} channels mediate the increase of cell migration and proliferation by advanced glycation endproducts in cultured rat vascular smooth muscle cells. *Lab Invest* 93(2):159-67, 2013.

Zhao Y, **Vanhoutte PM, Leung SW**. Endothelial nitric oxide synthase-independent release of nitric oxide in the aorta of the spontaneously hypertensive rat. *J Pharmacol Exp Ther* 344(1):15-22, 2013.

Zuo ML, Liu S, Chan KH, Lau KK, Chong BH, Lam KF, Chan YH, Lau YF, Lip GY, **Lau CP, Tse HF**, Siu CW. The CHADS₂ and CHA₂DS₂-VASc scores predict new occurrence of atrial fibrillation and ischemic stroke. *J Interv Card Electrophysiol* 37(1):47-54, 2013.

Zuo ML, Yue WS, Yip T, Ng F, Lam KF, **Yiu KH**, Lui SL, **Tse HF**, Siu CW, Lo WK. Prevalence of and associations with reduced exercise capacity in peritoneal dialysis patients. *Am J Kidney Dis* 62(5):939-46, 2013.