

Curriculum Vitae

Jun. 8, 2018

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Date of Birth: January 31, 1972

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1. Academic Experience

- 1991-1997 MD, National Taiwan University, College of Medicine
- 2001-2002 Master, National Taiwan University, College of Medicine, Institute of Clinical Medicine
Dissertation Title: Renin-angiotensin System Gene Polymorphisms and Atrial Fibrillation
- 2003- 2006 PhD, National Taiwan University, College of Medicine, Institute of Clinical Medicine
Dissertation Title: Renin-angiotensin system and atrial fibrillation- from bench to bedside, cellular and animal models of atrial fibrillation
- 2007- 2008 Post-doc Research, Department of Biomedical Engineering, Case Western Reserve University
Dissertation Title: Optical mapping of adult zebrafish heart
- 2003-2007 Lecturer, National Taiwan University, College of Medicine, Department of Internal Medicine

2007-2012 Assistant Professor, National Taiwan University, College of Medicine,
Department of Internal Medicine
2012-2016 Professor, National Taiwan University, College of Medicine,
Department of Internal Medicine
2013-2016 Director, Department of Internal Medicine, National Taiwan
University Hospital Yun-Lin Branch
2016-present Professor, National Taiwan University, College of Medicine,
Department of Internal Medicine

2. Training and Current practice

1997 Intern, National Taiwan University Hospital

1998-2000 Resident, Department of Internal Medicine, National Taiwan
University Hospital

2001-2003 Chief Resident, Division of Cardiology, Department of Internal
Medicine, National Taiwan University Hospital

2003- present Staff Cardiologist, Division of Cardiology, Department of Internal
Medicine, National Taiwan University Hospital

Current clinical practice:

1. Visiting Staff, General Medicine and Cardiology, out-patient clinics and in-patient care
2. Electrophysiologist: ablation for tachyarrhythmia; implantation of pacemakers and ICDs.
3. Interventional cardiologist: coronary angiography, balloon dilatation and stent implantation; chronic total occlusion; bifurcational lesion
4. Intervention for structural heart diseases: left atrial appendage occluder, MitraClip
5. Echocardiography, tissue doppler image

3. Member

1998-present Member, Taiwan Society of Internal Medicine

2001-present Member, Taiwan Society of Cardiology

2003-present Member, Taiwan Heart Rhythm Society

2003-2006 Assistant Editor, *Acta Cardiologica Sinica*, Taiwan Society of Cardiology

2007-2012 Research Committee, Taiwan Society of Cardiology

2010-2014 Vice Secretary General, Taiwan Society of Cardiovascular Intervention

2013-2016 Secretary General, Taiwan Heart Rhythm Society

2016-2018 Secretary General, Taiwan Society of Cardiology

4. Honors

2002 Honored Scholar, The Phi Tau Phi Scholastic Honor Society of the Republic of China

2002 Young Investigator Award, Taiwan Society of Cardiology

2008 Distinguished Research (Nong Ting) Award, Taiwan Society of Cardiology

2009 Outstanding Research Award, National Taiwan University

2010 Outstanding Research Award, National Taiwan University Hospital,

2010 Young Investigator Award Competition, American College of Cardiology

2011 Outstanding Research Award, National Science Council

2013 Outstanding Fellow, European Society of Cardiology

5. Faculty and panelist for International Conferences of Cardiology

2010 Dec. The 3rd Xiamen Interventional Congress of Cardiology GAP-CCBC
Xiamen, China

2012 Jan. Taiwan Transcatheter Therapeutics
Taipei, Taiwan

2012 Apr. The 14th South China Interventional Congress of Cardiology

		Guangzhou, China
2012	Oct.	The 5 th Kunming Heart Forum Kunming, China
2012	Dec.	The 5 th Xiamen Interventional Congress of Cardiology GAP-CCBC Xiamen, China
2013	Jan.	Taiwan Transcatheter Therapeutics Taipei, Taiwan
2013	Apr.	Cardiovascular Summit, TCTAP Seoul, Korea
2013	May	Oriental Congress of Cardiology Shanghai, China
2014	Jan.	Taiwan Transcatheter Therapeutics Taipei, Taiwan
2014	Apr.	LAA Asia-Pacific2014- CSI Congress Shanghai, China
2014	Oct.	Asia-Pacific Heart Rhythm Society Scientific Session New Delhi, India
2015	Oct.	Asia-Pacific Heart Rhythm Society Scientific Session Melbourne, Australia
2016	Oct	Asia-Pacific Heart Rhythm Society Scientific Session Seoul, Korea
2017	Oct.	Asia-Pacific Heart Rhythm Society Scientific Session Yokohama, Japan
2018	Oct.	Asia-Pacific Heart Rhythm Society Scientific Session Taipei, Taiwan

6. Publications

SCI Journal Articles (2010-2018)

1. Chang SN, Lai LP, Chiang FT, Lin JL, Hwang JJ, Tsai CT. C-reactive protein gene polymorphism predicts the risk of thromboembolic stroke in patients with atrial fibrillation: a more than 10-year prospective follow-up study. *J Thromb Haemost.* 2017 Aug;15:1541-1546.
2. Tsai CT, Hsieh CS, Chang SN, Chuang EY, Ueng KC, Tsai CF, Lin TH, Wu CK, Lee JK, Lin LY, YC Wang, Yu CC, Lai LP, Tseng CD, Hwang JJ, Chiang FT, Lin JL. Genome-wide screening identifies a KCNIP1 copy number variant as a

genetic predictor for atrial fibrillation. *Nature Communications* 2016 Feb;7:10190.

3. Lee HC, Lo HC, Su MY, Wu CC, Lo DM, Dai MS, Tsai CT, Tsai HJ. Amiodarone induces overexpression of similar to versican b to repress the EGFR/GSK3b/Snail signaling axis during cardiac valve formation of zebrafish embryos. *PLOS One* 2015 Dec;10(12):e0144751. Co-corresponding Author
4. Wu CK, Su MY, Lee JK, Wu YF, Chiang FT, Hwang JJ, Lin JL, Chen JJ, Liu FT, Tsai CT. Galectin-3 level and the severity of cardiac diastolic dysfunction using cellular and animal models and clinical indices. *Scientific Reports* 2015 Nov;5:17007. Corresponding Author
5. Chiu SN, Tsai CT, Lin LY, Huang SC, Chen YS, Wang JK, Wu MH, Lai LP, Lin JL. Repolarization Alternans and Ventricular Arrhythmia in a Repaired Tetralogy of Fallot Animal Model. *Journal of the American Heart Association* 2015 Dec;4(12):e002173. Co-1st author
6. Tsai CT, Wu CK, Lee JK, Chang SN, Kuo YM, Wang YC, Lai LP, Chiang FT, Hwang JJ, Lin JL. TNF- α Down-regulates Sarcoplasmic Reticulum Ca²⁺ ATPase Expression and Leads to Left Ventricular Diastolic Dysfunction Through Binding of NF- κ B to Promoter Response Element. *Cardiovascular Research*. 2015;105:318-29.
7. Tsai CT, Hsieh CS, Chang SN, Chuang EY, Juang JM, Lin LY, Lai LP, Hwang JJ, Chiang FT, Lin JL. Next-generation sequencing of nine atrial fibrillation candidate genes identified novel de novo mutations in patients with extreme trait of atrial fibrillation. *Journal Of Medical Genetics*. 2015;52:28-36.
8. Lin TT, Chiang JY, Liao MT, Tsai CT, Hwang JJ, Chiang FT, Lin JL, Lin LY. Primary prevention of atrial fibrillation with beta-blockers in patients with end-stage renal disease undergoing dialysis. *Scientific Reports*. 2015 Dec;5:17731.
9. Chang SN, Juang JJ, Tsai CT, Ko JT and Lien WP. A Novel Integrated Score Index of Echocardiographic Indices for the Evaluation of Left Ventricular Diastolic Function. *PloS one*. 2015 Nov;10(11):e0142175.
10. Chou CH, Chen YH, Hung CS, Chang YY, Tzeng YL, Wu XM, Wu VC, Tsai CT, Wu CK, Ho YL, Wu KD and Lin YH. Aldosterone impairs vascular smooth muscle function: from clinical to bench research. *The Journal of clinical endocrinology and metabolism*. 2015 Nov;100(11):4339-47.
11. Ho LT, Lin LY, Yang YH, Wu CK, Juang JM, Wang YC, Tsai CT, Lai LP, Hwang JJ, Chiang FT, Lin JL and Chen PC. Statin therapy lowers the risk of new-onset atrial fibrillation in patients with end-stage renal disease. *International journal of cardiology*. 2015 Dec;201:538-43.

12. Juang JM, Tsai CT, Lin LY, Liu YB, Yu CC, Hwang JJ, Chen JJ, Chiu FC, Chen WJ, Tseng CD, Chiang FT, Yeh HM, Sherri Yeh SF, Lai LP and Lin JL. Unique clinical characteristics and SCN5A mutations in patients with Brugada syndrome in Taiwan. *Journal of the Formosan Medical Association*. 2015 Jul;114(7):620-6.
13. Wu CK, Lee JK, Wu YF, Tsai CT, Chiang FT, Hwang JJ, Lin JL, Hung KY, Huang JW and Lin JW. Left ventricular diastolic dysfunction in peritoneal dialysis: a forgotten risk factor. *Medicine*. 2015 May; 94(20):e819.
14. Lin TT, Yang YH, Liao MT, Tsai CT, Hwang JJ, Chiang FT, Chen PC, Lin JL and Lin LY. Primary prevention of atrial fibrillation with angiotensin-converting enzyme inhibitors and angiotensin receptor blockers in patients with end-stage renal disease undergoing dialysis. *Kidney international*. 2015 Aug;88(2):378-85.
15. Wu CK, Yang YH, Juang JM, Wang YC, Tsai CT, Lai LP, Hwang JJ, Chiang FT, Chen PC, Lin JL and Lin LY. Effects of angiotensin converting enzyme inhibition or angiotensin receptor blockade in dialysis patients: a nationwide data survey and propensity analysis. *Medicine*. 2015 Jan;94(3):e424.
16. Wang YC, Yu CC, Chiu FC, Splett V, Klepfer R, Hilpisch K, Tsai CT, Lai LP, Hwang JJ and Lin JL. Acute effects of biventricular pacing in heart failure patients with a normal ejection fraction and mechanical dyssynchrony. *Cardiology*. 2015 Jan;130(2):112-9.
17. Wu CK, Yang YH, Lin TT, Tsai CT, Hwang JJ, Lin JL, Chen PC, Chiang FT, Lin LY. Statin use reduces the risk of dementia in elderly patients: a nationwide data survey and propensity analysis. *Journal of Internal Medicine*. 2015 Mar;277(3):343-52.
18. Huang HS, Chu CL, Tsai CT, Wu CK, Lai LP, Yeh HM. Perfusion Index Derived from a Pulse Oximeter Can Detect Changes in Peripheral Microcirculation During Uretero-Renal-Scopy Stone Manipulation (URS-SM). *PLOS One* 2014 Dec;9(12):e115743. Co-corresponding Author
19. Tsai CT, Chang SN, Chang SH, Lee JK, Lin LY, Wu CK, Yu CC, Wang YC, Tseng CD, Lai LP, Hwang JJ, Chiang FT, Lin JL. Renin-angiotensin system gene polymorphisms predict the risk of stroke in patients with atrial fibrillation: a 10-year prospective follow-up study. *Heart Rhythm*. 2014;11:1384-90.
20. Tsai CT, Chang SH, Chang SN, Hwang JJ, Wu CK, Wang YC, Tseng CD, Yeh HM, Lai LP, Chiang FT, Lin JL. Additive effect of the metabolic syndrome score to the conventional CHADS₂ score for the thromboembolic risk stratification of patients with atrial fibrillation. *Heart Rhythm*. 2014;11:352-7.
21. Wu CK, Wang YC, Lee JK, Chang SN, Su MY, Yeh HM, Su MJ, Chen JJ, Chiang FT, Hwang JJ, Lin JL, Tsai CT. Connective tissue growth factor and cardiac diastolic dysfunction: human data from the Taiwan Diastolic Heart Failure

- Registry and molecular basis by cellular and animal models. *Eur J Heart Fail.* 2014;16:163-72. Corresponding author
22. Wu CK, Lee JK, Chiang FT, Lin LY, Lin JW, Hwang JJ, Tseng CD, Tsai CT. Prognostic factors of heart failure with preserved ejection fraction: A 12-year prospective cohort follow-up study. *Int J Cardiol.* 2014;171:331-7. Corresponding author
 23. Chang SN, Lai YH, Yen CH, Tsai CT, Lin JW, Bernard E. Bulwer, Hung TC, Hou JY, Kuo JY, Hung CL, Hwang JJ, Yeh HI. Cardiac mechanics and ventricular twist by three-dimensional strain Analysis in relation to B-type Natriuretic peptide as a clinical prognosticator for heart failure patients *PLOS One.* 2014 Dec;9(12):e115260.
 24. Juang JM, Lu TP, Lai LC, Ho CC, Liu YB, Tsai CT, Lin LY, Yu CC, Chen WJ, Chiang FT, Yeh SF, Lai LP, Chuang EY, Lin JL. Disease-targeted sequencing of ion channel genes identifies de novo mutations in patients with non-familial Brugada syndrome. *Scientific Reports.* 2014 Oct;4:6733.
 25. Wu CK, Huang YT, Lee JK, Jimmy Juang JM, Tsai CT, Lai LP, Hwang JJ, Chiang FT, Lin JL, Chen PC, Lin LY. Anti-anxiety drugs use and cardiovascular outcomes in patients with myocardial infarction: a national wide assessment. *Atherosclerosis.* 2014 Aug;235(2):496-502.
 26. Jimmy JJ, Chen CY, Yeh HM, Chiu WY, Yu CC, Liu YB, Tsai CT, Lo LW, Yeh SF, Lai LP. Clinical characteristics of patients with congenital long QT syndrome and bigenic mutations. *Chinese Medical Journal.* 2014 Jan;127(8):1482-6.
 27. Juang JM, Lu TP, Lai LC, Hsueh CH, Liu YB, Tsai CT, Lin LY, Yu CC, Hwang JJ, Chiang FT, Yeh SS, Chen WP, Chuang EY, Lai LP, Lin JL. Utilizing multiple in silico analyses to identify putative causal SCN5A variants in Brugada syndrome. *Scientific Reports.* 2014 Jan;4:3850.
 28. Chang CH, Lee YC, Tsai CT, Chang SN, Chung YH, Lin MS, Lin JW, Lai MS. Continuation of statin therapy and a decreased risk of atrial fibrillation/flutter in patients with and without chronic kidney disease. *Atherosclerosis.* 2014 Jan;232(1):224-30.
 29. Chen YH, Pai CW, Huang SW, Chang SN, Lin LY, Chiang FT, Lin JL, Hwang JJ, Tsai CT. Inactivation of Myosin binding protein C homolog in zebrafish as a model for human cardiac hypertrophy and diastolic dysfunction. *Journal of the American Heart Association.* 2013 Sep;2(5):e000231. Corresponding Author
 30. Wang YC, Yu CC, Chiu FC, Tsai CT, Lai LP, Hwang JJ, Lin JL. Soluble ST2 as a biomarker for detecting stable heart failure with a normal ejection fraction in hypertensive patients. *Journal of Cardiac Failure.* 2013 Mar;19(3):163-8. Co-corresponding Author

31. Liao MT, Lin LY, Yang YH, Lin TT, Lin JL, Chen PC, Tsai CT. ACEI and ARB did not reduce the incidence of dementia in patients with atrial fibrillation: A nationwide cohort study. *Acta Cardiologica Sinica*. 2013 Jul;29(4):323-327
Corresponding Author
32. Hsieh CS, Chuang EY, Juang JM, Hwang JJ, Tseng CD, Chiang FT, Lai LP, Lin JL, Tsai CT. Next-generation sequencing in the genetics of human atrial fibrillation. *Acta Cardiologica Sinica*. 2013 Jul;29(4):317-322 Corresponding Author
33. Chen JJ, Chiu FC, Chua SK, Yu CC, Lin LY, Tsai CT, Lin JL. Outcome Of circumferential pulmonary vein isolation for ablation of atrial fibrillation: A single center experience. *Acta Cardiologica Sinica*. 2013 Sep;29(5):457-461.
Corresponding Author
34. Chen CY, Liu YB, Lin LY, Chen WJ, Lai LP, Tsai CT, Lin JL. Prevalence of atrial fibrillation in patients with Brugada syndrome in Taiwan. *Acta Cardiologica Sinica*. 2013 Jul;29(4):311-316. Corresponding Author
35. Wang YC, Yu CC, Chiu FC, Tsai CT, Lai LP, Hwang JJ, Lin JL. Impacts of mitral E/e' on myocardial contractile motion and synchronicity in heart failure patients with reduced ejection fraction: An exercise-echocardiography study. *Clinical Cardiology*. 2013 Aug;36(8):462-7.
36. Lee JK, Wu CK, Tsai CT, Lin LY, Lin JW, Chien KL, Hwang JJ, Lin CL, Tseng CD, Chiang FT. Genetic variation-optimized treatment benefit of angiotensin-converting enzyme inhibitors in patients with stable coronary artery disease: a 12-year follow-up study. *Pharmacogenetics and Genomics*. 2013 Apr;23(4):181-9.
37. Chiu SN, Lin JL, Tsai CT, Yu CC, Lu CW, Chang CW, Chang CC, Wang JK, Wu MH. Radiofrequency catheter ablation of atrial tachyarrhythmias in adults with repaired congenital heart disease: Constraints from multiple and new arrhythmic foci. *Acta Cardiologica Sinica* 2013 Jul;29(4):347-356.
38. Chang SN * , Tsai CT * , Wu CK, Lee JK, Lai LP, Huang SW, Huang LY, Tseng CD, Lin JL, Chiang FT, Hwang JJ. A functional variant in the promoter region regulates the C-reactive protein gene and is a potential candidate for increased risk of atrial fibrillation. *Journal of Internal Medicine*. 2012;272:305-15.

* Co-1st author

37. Wu CK, Huang YT, Lee JK, Chiang LT, Chiang FT, Huang SW, Lin JL, Tseng CD, Chen YH, Tsai CT. Cardiac myosin binding protein C and MAP-kinase activating death domain-containing gene polymorphisms and diastolic heart

- failure. PLoS One. 2012;7(4):e35242. Corresponding Author
38. Lin CY, Wu CK, Yeong EK, Lin HH, Huang YT, Lee JK, Lin YH, Chiang FT, Tang YB, Tsai CT. Prognostic significance of left ventricular diastolic function in burn patients. Shock. 2012 May;37(5):457-62. Corresponding Author
39. Ko WC, Chen BC, Hsu MJ, Tsai CT, Hong CY, Lin CH. Thrombin induced connective tissue growth factor expression in rat vascular smooth muscle cells via the PAR-1/JNK/AP-1 pathway. Acta Pharmacologica Sinica. 2012 Jan;33(1):49-56. Co-corresponding Author
40. Chang SH, Chang SN, Hwang JJ, Chiang FT, Tseng CD, Lee JK, Lai LP, Lin JL, Wu CK, Tsai CT. Significant association of rs13376333 in KCNN3 on chromosome 1q21 with atrial fibrillation in a Taiwanese population. Circulation Journal. 2012 Jan;76(1):184-8. Corresponding Author
41. Wu CK, Yang CY, Lin JW, Hsieh HJ, Chiu FC, Chen JJ, Lee JK, Huang SW, Li HY, Chiang FT, Chen JJ, Tsai CT. The relationship among central obesity, systemic inflammation, and left ventricular diastolic dysfunction as determined by structural equation modeling. Obesity (Silver Spring). 2012 Apr;20(4):730-7. Corresponding Author
42. Chiu WC, Juang JM, Chang SN, Wu CK, Tsai CT, Tseng CD, Tseng YZ, Su MJ, Chiang FT. Differential baseline expression and angiotensin II-stimulation of leukemia-associated RhoGEF in vascular smooth muscle cells of spontaneously hypertensive rats. International Journal of Nanomedicine. 2012 ;7:5929-39.
43. Chiu WC, Juang JM, Chang SN, Wu CK, Tsai CT, Tseng YZ, Chiang FT. Angiotensin II regulates the LARG/RhoA/MYPT1 axis in rat vascular smooth muscle in vitro. Acta Pharmacologica Sinica. 2012 Dec;33(12):1502-10.
44. Chang SN, Lai YH, Yen CH, Tsai CT, Hou JY, Kuo JY, Hugn CL, Hwang JJ, Yeh HI. Real-time three-dimensional strain and cardiac twist as a clinical prognosticator beyond ventricular ejection fraction or ventricular mass in heart failure patients. European Heart Journal 2012 Aug; 33: suppl 1, 351
45. Wang YC, Yu CC, Chiu FC, Klepfer R, Hilpisch K, Splett V, Tsai CT, Lai LP, Hwang JJ, Lin JL. Impact of ventricular dyssynchrony on postexercise accommodation of systolic myocardial motion in hypertensive patients with heart failure and a normal ejection fraction: a tissue-Doppler echocardiography study. Journal of Cardiac Failure. 2012 Feb;18(2):134-9.
46. Wu CK, Huang YT, Lee JK, Chiang LT, Chiang FT, Huang SW, Lin JL, Tseng CD, Chen YH, Tsai CT. Cardiac myosin binding protein C and MAP-kinase activating death domain-containing gene polymorphisms and diastolic heart failure. PLoS

One. 2012;7:e35242. Corresponding author

47. Lin CY, Wu CK, Yeong EK, Lin HH, Huang YT, Lee JK, Lin YH, Chiang FT, Tang YB, Tsai CT. Prognostic significance of left ventricular diastolic function in burn patients. *Shock*. 2012;37:457-62. Corresponding author
48. Wu CK, Yang CY, Lin JW, Hsieh HJ, Chiu FC, Chen JJ, Lee JK, Li HY, Chiang FT, Chen JJ, Tsai CT. The relationship among central obesity, systemic inflammation, and left ventricular diastolic dysfunction as determined by structural equation modeling. *Obesity*. 2012;20:730-7. Corresponding author
49. Lee JK, Lin HH, Tsai CT, Chen JJ, Kuo CC, Lien YC, Lin JW, Huang JW, Hwang SW, Hwang JJ, Tseng CD, Chiang FT, Chen JJ, Wu CK. Differential association of proinflammatory cytokines with left ventricular diastolic dysfunction in subjects with and without continuous ambulatory peritoneal dialysis. *Nutr Metab Cardiovasc Dis*. 2012;22:974-80.
50. Tsai CT, Chiang FT, Tseng CD, Hwang JJ, Kuo KT, Wu CK, Yu CC, Wang YC, Lai LP, Lin JL. Mechanical stretch of atrial myocyte monolayer decreases sarcoplasmic reticulum calcium adenosine triphosphatase expression and increases susceptibility to repolarization alternans. *J Am Coll Cardiol*. 2011;58:2106-15.
51. Tsai CT, Wu CK, Chiang FT, Tseng CD, Lee JK, Yu CC, Wang YC, Lai LP, Lin JL, Hwang JJ. In-vitro recording of adult zebrafish heart electrocardiogram - a platform for pharmacological testing. *Clin Chim Acta*. 2011;412:1963-7.
52. Tsai CT, Tseng CD, Hwang JJ, Wu CK, Yu CC, Wang YC, Chen WP, Lai LP, Chiang FT, Lin JL. Tachycardia of atrial myocytes induces collagen expression in atrial fibroblasts through transforming growth factor {beta}1. *Cardiovasc Res*. 2011;89:805-15.
53. Tsai CT, Chiang FT, Chen WP, Hwang JJ, Tseng CD, Wu CK, Yu CC, Wang YC, Lai LP, Lin JL. Angiotensin II induces complex fractionated electrogram in a cultured atrial myocyte monolayer mediated by calcium and sodium-calcium exchanger. *Cell Calcium*. 2011;49:1-11..
54. Tsai CT, Hwang JJ, Wu CK, Lee JK, Tseng CD, Wang YC, Hsu KL, Lai LP, Lin JL, Chiang FT. Polygenetic regression model of renin-angiotensin system genes and the risk of coronary artery disease in a large angiographic population. *Clin Chim Acta*. 2011;412:619-24.
55. Chang SH, Chang SN, Hwang JJ, Chiang FT, Tseng CD, Lee JK, Lai LP, Lin JL, Wu CK, Tsai CT. Significant Association of rs13376333 in KCNN3 on Chromosome 1q21 With Atrial Fibrillation in a Taiwanese Population. *Circ J*. 2011;76:184-8. Corresponding author
56. Wu CK, Lee JK, Chiang FT, Yang CH, Hwang JJ, Lin JL, Tseng CD, Chen JJ,

- Tsai CT. Plasma levels of TNF- α and IL-6 are associated with diastolic heart failure through downregulation of sarcoplasmic reticulum Ca²⁺ ATPase. *Critical Care Medicine*. 2011;39:984-92. Corresponding author
57. Ko WC, Hong CY, Hou SM, Lin CH, Ong ET, Lee CF, Tsai CT, Lai LP. Elevated expression of connective tissue growth factor in human atrial fibrillation and angiotensin II-treated cardiomyocytes. *Circ J*. 2011;75:1592-600. Corresponding author
58. Wu VC, Lo SC, Chen YL, Huang PH, Tsai CT, Liang CJ, Kuo CC, Kuo YS, Lee BC, Wu EL, Lin YH, Sun YY, Lin SL, Chen JW, Lin SJ, Wu KD; TAIPAI Study Group. Endothelial progenitor cells in primary aldosteronism: a biomarker of severity for aldosterone vasculopathy and prognosis. *J Clin Endocrinol Metab*. 2011;96:3175-83.
59. Wu VC, Kuo CC, Wang SM, Liu KL, Huang KH, Lin YH, Chu TS, Chang HW, Lin CY, Tsai CT, Lin LY, Chueh SC, Kao TW, Chen YM, Chiang WC, Tsai TJ, Ho YL, Lin SL, Wang WJ, Wu KD; TAIPAI Study Group. Primary aldosteronism: changes in cystatin C-based kidney filtration, proteinuria, and renal duplex indices with treatment. *J Hypertens*. 2011;29:1778-86.
60. Lin LY, Lee CH, Yu CC, Tsai CT, Lai LP, Hwang JJ, Chen PC, Lin JL. Risk factors and incidence of ischemic stroke in Taiwanese with nonvalvular atrial fibrillation-- a nation wide database analysis. *Atherosclerosis*. 2011;217:292-5.
61. Wu VC, Yang SY, Lin JW, Cheng BW, Kuo CC, Tsai CT, Chu TS, Huang KH, Wang SM, Lin YH, Chiang CK, Chang HW, Lin CY, Lin LY, Chiu JS, Hu FC, Chueh SC, Ho YL, Liu KL, Lin SL, Yen RF, Wu KD; TAIPAI Study Group. Kidney impairment in primary aldosteronism. *Clin Chim Acta*. 2011;412:1319-2
62. Tsai CT, Chiang FT, Tseng CD, Hwang JJ, Kuo KT, Wu CK, Yu CC, Wang YC, Lai LP, Lin JL. Increased Expression of Mineralocorticoid Receptor in Human Atrial Fibrillation and a Cellular Model of Atrial Fibrillation. *J Am Coll Cardiol*. 2010;55:758-70.
63. Wu CK, Luo JL, Tsai CT, Huang YT, Cheng CL, Lee JK, Lin LY, Lin JW, Hwang JJ, Chiang FT. Demonstrating the pharmacogenetic effects of angiotensin-converting enzyme inhibitors on long-term prognosis of diastolic heart failure. *Pharmacogenomics J*. 2010;10:46-53.
64. Chang SH, Tsai CT, Lai LP, Lei MH. Identification of a lamin A/C gene mutation in a Taiwanese family with limb girdle muscular dystrophy and cardiomyopathy. *Int J Cardiol*. 2010;145:598-9.
65. Huang NL, Juang JM, Wang YH, Hsueh CH, Liang YJ, Lin JL, Tsai CT, Lai LP. Rimonabant inhibits TNF- α -induced endothelial IL-6 secretion via CB1 receptor

and cAMP-dependent protein kinase pathway. *Acta Pharmacol Sin.* 2010;31:1447-53.

66. Wu VC, Kuo CC, Chang HW, Tsai CT, Lin CY, Lin LY, Lin YH, Wang SM, Huang KH, Fang CC, Ho YL, Liu KL, Chang CC, Chueh SC, Lin SL, Yen RF, Wu KD; TAIPAI study group. Diagnosis of primary aldosteronism: comparison of post-captopril active renin concentration and plasma renin activity. *Clin Chim Acta.* 2010;411:657-63.
67. Chang SN, Lin JW, Juang JM, Tsai CT, Hwang JJ, Chiang FT. Association between genetic polymorphisms in the renin-angiotensin system and systolic heart failure revised by a propensity score-based analysis. *Cardiology.* 2010;116:279-85.