

# Curriculum vitae

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### Education

1981 - 1984 Provincial Chai-Yi High School

1984 - 1991 M.D National Yang-Ming University

2006 - 2011 Ph.D degree at Institute of Clinical Medicine, National Yang-Ming Medical University

### Post-Graduate Service

1991 - 1993 Military service in Chinese Air-Force

1993 - 1995 Resident physician, division of Medicine, Chai-Yi Veterans Hospital, Chai-Yi, Taiwan

1995 - 1998 Resident physician, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan

1998 - 2002 Fellow in Division of Cardiology, Taipei Veterans General Hospital, Taipei, Taiwan

2002 - Present Attending physician in Division of Cardiology, Taipei Veterans General Hospital, Taipei, Taiwan

2016 - Present Chief, Healthcare & Services, Veterans General Hospital, Taipei, Taiwan

2014 – Present Fellow of American College of Cardiology.

### Present Position

- ♦ 2012- Present Associate professor of Medicine, National Yang-Ming University, School of Medicine, Taipei, Taiwan.
- ♦ 2002- Present Attending physician in Division of Cardiology, Taipei Veterans General Hospital, Taipei, Taiwan

### Sub-special interest

Percutaneous coronary intervention, vascular biology.

### Professional Societies and Organizations

- ♦ Member, Taiwan Society of Cardiology, Taiwan
- ♦ Member, Taiwan Society of Internal Medicine, Taiwan
- ♦ Member, Taiwan Society of Interventional Cardiology, Taiwan

## Publications

1. **Lu TM**, Kuo BI, Chung YM, Liu CY. Murine typhus presenting with multiple white dots in the retina. *Scand J Infect Dis.* 1997;29:632-3.
2. **Lu TM**, Tai CT, Tsai CF, Chen SA. One or two tachycardias? *PACE* 2000;23:1683-5
3. **Lu TM**, Tai CT, Tsai CF, Chen SA. Differential diagnosis of supraventricular tachycardia with concentric atrial activation sequence. *J Cardiovasc Electr* 2000;11:603-4
4. **Lu TM**, Hsu NW, Chen YH, et al. Pulsatility of ascending aorta and restenosis after coronary angioplasty in patients > 60 years of age with stable angina pectoris. *Am J Cardiol* 2001;88:964-8
5. **Lu TM**, Tai CT, Hsieh MH, et al. Electrophysiologic characteristics in initiation of paroxysmal atrial fibrillation from a focal area. *J Am Coll Cardiol* 2001;37:1658-64
6. **Lu TM**, Ding YA, Lin SJ, et al. Plasma levels of asymmetrical dimethylarginine and adverse cardiovascular events after percutaneous coronary intervention. *Eur Heart J* 2003;24:1912-9
7. **Lu TM**, Ding YA, Charng MJ, et al. Asymmetrical dimethylarginine: as a novel risk factor for coronary artery disease. *Clin Cardiol* 2003;26:458-64
8. Huang CY, Huang CH, Chen JW, Lin SJ, **Lu TM\***. Atherosclerotic left main coronary artery aneurysm — Case reports. *Int J Angiol* 2004; 13: 89-91.
9. Huang CY, **Lu TM**, Hsu CP, Yang AH, Ding YA, Chiang CE. Eosinophilia presenting as acute coronary syndrome. *Am J Hematol* 2004; 76: 94-95.
10. Chan WL, **Lu TM**, Wang JJ, Jiau SS, Kong CW. Hemodynamic significance of heart rate in neurally mediated syncope. *Clin Cardiol* 2004; 27: 635-640
11. Hsu PF, Leu HB, **Lu TM**, Yu WC, Hsu TL. Platypnea-orthodeoxia syndrome occurring after a blunt chest trauma with acute tricuspid regurgitation. *Am J Med* 2004; 117: 890-891.
12. **Lu TM**, Ding YA, Leu HB, et al. Effect of Rosuvastatin reduces plasma levels of asymmetrical dimethylarginine in patients with hypercholesterolemia. *Am J Cardiol* 2004; 94: 157-161
13. Hsu PF, **Lu TM**, Leu HB, Chan WL. Double-barrel coronary artery dissection. *J Chin Med Assoc.* 2005; 68: 383-5
14. Huang PH, Leu HB, Chen JW, Wu TC, **Lu TM**, Ding YA, Lin SJ. Comparison of endothelial vasodilator function, inflammatory markers, and N-terminal pro-brain natriuretic peptide in patients with or without chronotropic incompetence to exercise test. *Heart.* 2006 May;92(5):609-14. Epub 2005 Sep 13.
15. Huang PH, Leu HB, Chen JW, Wu TC, **Lu TM**, Ding YA, Lin SJ. Decreased heparin cofactor II activity is associated with impaired endothelial function determined by brachial ultrasonography and predicts cardiovascular events. *Int J Cardiol* 2007;114:152-8.
16. Huang PH, Chen JW, **Lu TM**, Yu-An Ding P, Lin SJ. Combined use of endothelial function assessed by brachial ultrasound and high-sensitive C-reactive protein in predicting cardiovascular events. *Clin Cardiol.* 2007 Mar;30(3):135-40.
17. Huang PH, **Lu TM**, Wu TC, Lin FY, Chen YH, Chen JW, Lin SJ. Usefulness of combined high-sensitive C-reactive protein and N-terminal-probrain natriuretic peptide for predicting cardiovascular events in patients with suspected coronary artery disease. *Coronary Artery Dis.* 2008 May;19(3):187-93.
18. Wu CH, Sung SH, Chang JC, Huang CH, **Lu TM**. Subclavian artery thrombosis associated with acute ST-segment elevation myocardial infarction. *Ann Thorac Surg.* 2009 Dec;88(6):2036-8.
19. Wu CH, Wang KL, **Lu TM\***. Perplexing epigastric pain-coincident myocardial infarction and acute pancreatitis. *Intern Med.* 2010;49(2):149-53. Epub 2010 Jan 15.
20. Huang HC, Liu CY, **Lu TM**, Hsu CP. Applying preoperative multidetector computed tomography to bilateral coronary artery fistulas. *J Chin Med Assoc.* 2010 Aug;73(8):431-4.
21. **Lu TM**, Chung MY, Lin CC, Hsu CP, Lin SJ. Asymmetric dimethylarginine and clinical outcomes in chronic kidney disease. *Clin J Am Soc Nephrol* 2011;6:1566-72.
22. **Lu TM**, Jou YL, Chen YH, Chen LC, Sung SH, Chan WL, Lin SJ. The clinical significance of right coronary artery stenosis on the prognosis of patients with unprotected left main disease

- undergoing percutaneous coronary intervention. *Acta Cardiol Sin.* 2011;27:14-20
23. **Lu TM**, Lin SJ, Lin MW, Hsu CP, Chung MY. The association of dimethylarginine dimethylaminohydrolase 1 gene polymorphism with type 2 diabetes: a cohort study. *Cardiovasc Diabetol.* 2011;10:16.
  24. **Lu TM**, Chung MY, Lin MW, Hsu CP, Lin SJ. Plasma asymmetric dimethylarginine predicts death and major adverse cardiovascular events in individuals referred for coronary angiography. *Int J Cardiol.* 2011 Dec 1;153(2):135-40. Epub 2011 Jul 26.
  25. Huang SS, Chen YH, **Lu TM**, Wu TC, Chang MJ, Chen JW, Pan JP, Lin SJ. Effect of invasive strategy on different genders of Chinese patients with non-ST- elevation myocardial infarction. *Catheter Cardiovasc Interv.* 2012 May 1;79(6):946-55.
  26. Huang SS, Chen YH, **Lu TM**, Chen LC, Chen JW, Lin SJ. Application of the Sequential Organ Failure Assessment score for predicting mortality in patients with acute myocardial infarction. *Resuscitation.* 2012 May;83(5):591-5. Epub 2011 Dec 23.
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  28. Hsu CP, Lin SJ, Chung MY\*, **Lu TM\***. Asymmetric dimethylarginine predicts clinical outcomes in ischemic chronic heart failure. *Atherosclerosis.* 2012 Dec;225(2):504-10.
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  30. Yang KP, Yu WC, **Lu TM\***. Acute pericarditis after percutaneous coronary intervention mimicking inferolateral ST-elevation myocardial infarction. *J Invasive Cardiol.* 2013 Feb;25(2):E27-9.
  31. Lee CW, Chung FP, Wang KL, Wu CL, **Lu TM\***. Iceberg in small pulmonary embolism. *Korean Circ J.* 2013 Mar;43(3):212-3.
  32. Hu YF\*, **Lu TM\***, Wu CH, Lin YJ, Chang SL, Lo LW, Tuan TC, Chao TF, Chung FP, Liao JN, Tzeng CH, Chen SA, Tsao HM. Differences in high on-treatment platelet reactivity between intra-coronary and peripheral blood after dual anti-platelet agents in patients with coronary artery disease. *Thromb Haemost.* 2013 May 16;110(1).
  33. Lee CW, Lai CH, **Lu TM\***. Double coronary artery thrombosis presenting as acute extensive anterior ST-segment elevation myocardial infarction. *J Chin Med Assoc.* 2013 May 9. 2013 Jul;76(7):407-10.
  34. Tze-Fan Chao, **Tse-Min Lu\***, Yenn-Jiang Lin, Hsuan-Ming Tsao, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Ta-Chuan Tuan, Ming-Hsiung Hsieh\*, Shih-Ann Chen. Plasma Asymmetric Dimethylarginine and Adverse Events in Patients with Atrial Fibrillation Referred for Coronary Angiogram. *PLoS One.* 2013 Aug 7;8(8):e71675.
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- and Perceptions, and Healthcare Policy. *J Atheroscler Thromb*. 2014;21(10):1044-54.
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  41. Hsu CP, Hsu PF, Chung MY, Lin SJ, **Lu TM\***. Asymmetric dimethylarginine and long-term adverse cardiovascular events in patients with type 2 diabetes: relation with the glycemic control. *Cardiovasc Diabetol*. 2014 Dec 3;13(1):156.
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  43. **Lu TM**, Yeh YC, Lu YW, Sung SH, Wu FY, Hsu CP. MacCallum plaque causes acute myocardial infarction in a young man. *Circulation*. 2015 Mar 24;131(12):1121-2.
  44. Hsu CP, Lee WC, Wei HM, Sung SH, Huang CY, Shih CC, **Lu TM\***. Extracorporeal membrane oxygenation use, expenditure, and outcomes in taiwan from 2000 to 2010. *J Epidemiol*. 2015 Apr 5;25(4):321-31.
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  46. Chih-Hung Lai, Wen-Lieng Lee, Shih-Hsien Sung, Pai-Feng Hsu, Ying- Hwa Chen, Wan-Leong Chan, Shing-Jong Lin, and **Tse-Min Lu\***. Comparison of Bare-Metal Stent and Drug-Eluting Stent for the Treatment of Patients Undergoing Percutaneous Coronary Intervention for Unprotected Left Main Coronary Artery Disease – Long-Term Result from a Single Center Experience. *Acta Cardiol Sin* 2015;31:381-389.
  47. Sung SH, **Lu TM**, Yeh YC, Lu YW, Wu FY, Hsu CP. Response to Letter Regarding Article, "MacCallum Plaque Causes Acute Myocardial Infarction in a Young Man". *Circulation*. 2015 Nov 24;132(21):e253.
  48. Dai-Yin Lu , Albert C. Yang , Hao-Min Cheng , **Tse-Min Lu** , Wen-Chung Yu , Chen-Huan Chen , Shih-Hsien Sung Heart Rate Variability Is Associated with Exercise Capacity in Patients with Cardiac Syndrome X. Published: January 26, 2016 DOI: 10.1371/journal.pone.0144935.
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  53. Lai CH, Sung SH, Lee WL, Juan YH, Chang SL, **Lu TM\***. Accidental Stenting Out of Stent: A Lesson from No-Reflow after New Stent Deployment Outside the Prior Stent.. *Acta Cardiologica Sinica*, 2016, May.32(3):367-70.
  54. Chou RH, Lai CH, **Lu TM\***. Side-Branch and Coaxial Intravascular Ultrasound Guided Wire Re-Entry after Failed Retrograde Approach of Chronic Total Occlusion Intervention. *Acta Cardiologica Sinica*, 2016, May.32(3):363-6.
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56. **Lu TM**, Hsu CP, Chang CF, Lin CC, Lee TS, Lin SJ, Chan WL. Asymmetric dimethylarginine predicts the risk of contrast-induced acute kidney injury in patients undergoing cardiac catheterization. *Atherosclerosis*. 2016, Nov , 254:161-166.
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58. Wang WT, Sung SH, Wu CH, Huang SS, Chen WL, Lin SJ, **Lu TM**\*. Long-term outcome of patients with very small coronary artery disease: A comparison of drug-eluting and bare metal stents. *J Chin Med Assoc*. 2016 Dec;79(12):642-648.
59. Li HR, Hsu CP, Sung SH, Shih CC, Lin SJ, Chan WL, Wu CH, **Lu TM**\*. Percutaneous Coronary Intervention versus Coronary Artery Bypass Grafting in Patients with Diabetic Nephropathy and Left Main Coronary Artery Disease. *Acta Cardiol Sin*. 2017 Mar;33(2):119-126.
60. Wang KF, Wu CH, Chang CC, Chen LC, Wang KL, **Lu TM**, Lin SJ, Chiang CE. Determinants of Treatment Modification in Hypercholesterolemic Patients. *Acta Cardiol Sin*. 2017 Mar;33(2):156-164.
61. Wang TJ, Chiang MH, Huang SS, Wu CH, Sung SH, Chan WL, Lin SJ, Lee WL, **Lu TM**\*. Clinical outcomes of percutaneous coronary intervention with rotablation in patients with acute or recent myocardial infarction. *J Chin Med Assoc*. 2017 Sep;80(9):532-538.
62. **Lu TM**, Lee TS, Lin SJ, Chan WL, Hsu CP. The prognostic value of asymmetric dimethylarginine in patients with cardiac syndrome X. *PLoS ONE*. 2017 Dec 5;12(12).
63. Huang WC, Teng HI, Chan WL, **Lu TM**\*. Short-term and long-term clinical outcomes of rotational atherectomy in resistant chronic total occlusion. *J Interv Cardiol*. 2018 Jan 8.
64. Teng HI, Sung SH, Huang SS, Pan JP, Lin SJ, Chan WL, Lee WL, **Lu TM**, Wu CH. The impact of successful revascularization of coronary chronic total occlusions on long-term clinical outcomes in patients with non-ST-segment elevation myocardial infarction. *J Interv Cardiol*. 2018 Mar 1.
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66. Lin TC, **Lu TM**, Huang FC, Hsu PF, Shih CC, Lin SJ, Hsu CP. Coronary Artery Bypass Surgery versus Percutaneous Coronary Intervention for Left Main Coronary Artery Disease with Chronic Kidney Disease. *Int Heart J*. 2018 Mar 30;59(2):279-285.
67. Huang WC, Huang MH, **Lu TM**, Hsu CP. The Intra-Pericardial Paraganglioma Presenting as Ascites and Hemopericardium with Impending Tamponade. *Int Heart J*. 2018 Apr 20.
68. Chen YY, Huang WC, Huang MH, **Lu TM**, Hsu CP. The Intra-Pericardial Paraganglioma Presenting as Ascites and Hemopericardium with Impending Tamponade. *Int Heart J*. 2018 May 30; 59 (3): 664-667.
69. Huang WC, Teng HI, Hsueh CH, Lin SJ, Chan WL, **Lu TM**. Intravascular ultrasound guided wiring re-entry technique for complex chronic total occlusions. *J Interv Cardiol*. 2018 Oct;31(5):572-579.
70. Wang WT, Ko HK, Lin CC, Shu JH, Hsu HC, Liang Y, Hsu PF, Lin CC, Wang YJ, Din YZ, Liou TL, Wang YW, Huang SS, **Lu TM**, Leu HB, Chan WL, Lin SJ. Spirometric reference values in healthy Chinese adults in Taiwan: The secular changes and comparison with other Asian populations. *J Formos Med Assoc*. 2019 Jun 13. pii: S0929-6646(18)30754-X.
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74. Wang WT, Hsu PF, Lin CC, Wang YJ, Ding YZ, Liou TL, Wang YW, Huang SS, **Lu TM**, Huang PH, Chen JW, Chan WL, Lin SJ, Leu HB. Hemoglobin A1C Levels are Independently Associated with the Risk

- of Coronary Atherosclerotic Plaques in Patients without Diabetes: A Cross-Sectional Study. *J Atheroscler Thromb*. 2019 Dec 27. doi: 10.5551
75. Lim SS, Yang YL, Chen SC, Wu CH, Huang SS, Chan WL, Lin SJ, Chen JW, Chou CY, Pan JP, Charng MJ, Chen YH, Wu TC, **Lu TM**, Hsu PF, Huang PH, Cheng HM, Huang CC, Sung SH, Lin YJ, Leu HB. Association of variability in uric acid and future clinical outcomes of patient with coronary artery disease undergoing percutaneous coronary intervention. *Atherosclerosis*. 2020 Jan 30;297:40-46. doi: 10.1016
  76. Wang WT, Ko HK, Lin CC, Shu JH, Hsu HC, Liang Y, Hsu PF, Lin CC, Wang YJ, Din YZ, Liou TL, Wang YW, Huang SS, **Lu TM**, Leu HB, Chan WL, Lin SJ. Spirometric reference values in healthy Chinese adults in Taiwan: The secular changes and comparison with other Asian populations. *J Formos Med Assoc*. 2020 Jan;119(1 Pt 2):290-299. doi: 10.1016
  77. Tsai CT, Huang WC, Teng HI, Tsai YL, **Lu TM\***. Long term clinical impact of successful recanalization of chronic total occlusion in patients with and without type 2 diabetes mellitus *Cardiovasc Diabetol* 2020 Aug 1;19(1):119
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  81. Chang CC, Lee YH, Chuang MJ, Hsueh CH, Lu YW, Tsai YL, Chou RH, Wu CH, **Lu TM**, Huang PH, Lin SJ, van Geuns RJ. Agreement Between Invasive Wire-Based and Angiography-Based Vessel Fractional Flow Reserve Assessment on Intermediate Coronary Stenoses. *Front Cardiovasc Med*. 2021 Jun 30;8:707454. doi: 10.3389/fcvm.2021.707454. eCollection 2021.
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