

**Lee, Chii-Ming, MD, Ph.D.**



**Address:**

Cardiology Division, Department of Internal Medicine, National Taiwan University Hospital, 7, Chung-Shan South Road, Taipei, Taiwan, R.O.C. 100

**Birth date and place**

May 30, 1956 born in Taipei, Taiwan, R.O.C.

**Marrital status**

Married in 1984, have two children

**Education**

**September 1987 - November 1993**

Graduate Institute of Clinical Medicine,  
National Taiwan University Medical College  
Ph.D. degree

**September 1974 - June 1981**

Department of Medicine,  
National Taiwan University Medical College  
**M.D. degree**

**Professional Appointment**

**August 1988 - present**

**Attending physician, Cardiology Division,**  
Department of Internal Medicine,  
National Taiwan University Hospital, Taipei,  
Taiwan, R.O.C.

**August 2014-Present**

**Professor**

Cardiology Division, Department of Internal Medicine, and  
Graduate Institute of Clinical Pharmacy  
National Taiwan University Medical College

**April 2008 – Present**

**Joint appointment associate investigator**

Institute of Cellular and System Medicine  
National Health Research Institutes  
Taiwan, R.O.C.

**February 2009 –August 2014**

**Associate professor**

Cardiology Division, Department of Internal Medicine, and  
Graduate Institute of Clinical Pharmacy  
National Taiwan University Medical College

**February 1996 – Jan 2009**

**Clinical associate professor**

Department of Internal Medicine, and Graduate Institute of Clinical Pharmacy  
National Taiwan University Medical College

**February 1995 - Jan 1996**

**Adjunctive Associate professor**

National Taiwan University Medical College

**February 1993 - Jan 1995**

**Adjunctive Lecture**

National Taiwan University Medical College

**Research and clinical training**

**July 1990 - August 1992**

**Visiting associate**, Laboratory of Cellular Metabolism,  
National Heart, Lung and Blood Institute,  
National Institutes of Health, U.S.A.

**August 1989 - July 1989**

**Special volunteer**, Laboratory of Cellular Metabolism,  
National Heart, Lung and Blood Institute,  
National Institutes of Health, U.S.A.

**July 1986 - June 1988**

**Fellow, Cardiology Section**, Department of Internal Medicine,  
National Taiwan University Hospital

**July 1983 - June 1986**

**Resident, General Internal Medicine**, Department of Internal Medicine,  
National Taiwan University Hospital

**July 1981 - June 1983**

**Military service**, China Air Force, Taiwan, R.O.C.

**July 1980 - June 1981**

**Internship**, National Taiwan University Hospital

### **Qualification**

Examination Certification of Foreign Medical Graduate (**ECFMG**) in 1983

Visa Qualification Examination (**VQE**) in 1983

Member of **Republic of China Society of Internal Medicine**, certified as a **specialist in internal medicine** since 1988

Member of **Taiwan Society of Cardiology**, certified as a **cardiologist** since 1988, and as an **instructor of cardiology fellow training program** since 1995

Member of **American Society of Biochemistry and Molecular Biology (ASBMB)** since 1992

Member of **American Society of Cell Biology (ASCB)** since 1995

Member of **American Heart Association (AHA)**, Council of Atherosclerosis since 1992

Fellow of **American College of Cardiology (ACC)** since 2005

### **Fields of interest**

**Atherosclerosis**, emphasizing (1) endothelial dysfunction caused by modified lipoproteins, (2) the pathogenesis and potential treatment of atherosclerosis in cardiac allografts

**Heart failure**, focus on the potentials of stem cell therapy in heart failure and transplant atherosclerosis.

## Publications

Huang NC, **Lee CM**, Hsu S. Effective naked plasmid DNA delivery into stem cells by microextrusion-based transient-transfection system for in situ cardiac repair.

**Cytotherapy** 2020;22(2):70-81.

Lin M, Chen WC, Wu CH, Chen SY, **Lee CM**. The effectiveness of cardiac rehabilitation in non-ischemic dilated cardiomyopathy patients: A pilot study. **J Formosan Med Assoc** 2020;119(2):627-634

Wang C, Wu C, Tsai M, Lee CM, et al. 2019 focused update of the guidelines of the Taiwan society of cardiology for the diagnosis and treatment of heart failure. **Acta Cardiol Sinica** 2019;35(3):244-283

Hsu WT, Lin CH, Jui HY, Tseng YH, Shun CT, Hsu MC, Wu KK, **Lee CM\***. CXCR4 antagonist reduced the incidence of acute rejection and controlled cardiac allograft vasculopathy in a swine heart transplant model receiving a mycophenolate-based immunosuppressive regimen. **Transplantation** 2018;102(12):2002-2011.

Cheng JF, Lee SH, Hsu RB, Yu SC, Shun CT, Huang PS, Chen YH, **Lee CM\***. Fulminant primary cardiac lymphoma with sudden cardiac death: A case report and brief review. **J Formos Med Assoc.** 2018;117(10):939-943. doi: 10.1016/j.jfma.2018.03.011. Epub 2018 Apr 19. Review. PMID:29681417

Liang HW, Kao HL, Lin YH, Hwang JJ, Lin MS, Chiang FT, **Lee CM**, Yeh CF, Wang TD, Wu CK, Lin LY, Tsai CT, Chen YH. Everolimus-eluting bioresorbable vascular scaffold in real world practice - A single center experience. **Acta Cardiol Sinica** 2017;33(3):250-257

Wang CY, Lin ZF, **Lee CM**, Tsai YW, Huang TY, Shen LJ, Hsiao FY. Concomitant use of calcium channel blockers with dual antiplatelet therapy and re-hospitalization for acute coronary syndrome. **Pharmacoepidemiol Drug Safety** 2017;26(3):229-238

Lin YT, Lin YH, Wu XM, Ko CL, Yen RF, Chen YH, Hsu RB, **Lee CM**, Wang SS, Chen MF, Wu YW. The relationship between serum fibrosis markers and restrictive ventricular filling in patients with heart failure with reduced ejection fraction: A technetium-99m radionuclide ventriculography study. **Oncotarget** 2017;8(2):2381-2390. doi: 10.18632/oncotarget.13795. PMID:27924061

Lin YH, Kuo CC, **Lee CM**, Chou CH, Chen YH, Yeh JF, Huang CC, Hung CS, Liu LD, Ho YL, Wu KK. 5-methoxytryptophan is a potential marker for post-myocardial infarction heart failure - a preliminary approach to clinical utility. **Int J Cardiol** 2016;222:895-900. doi: 10.1016/j.ijcard.2016.07.293. PMID:27526355

Hsu WT, Shen LJ, **Lee CM\***. Drug-related problems vary with medication category and treatment duration in Taiwanese heart failure outpatients receiving case management. *J Formos Med Assoc* 2016;115(5):335-42.

doi:10.1016/j.jfma.2015.11.014.PMID:26774679

Hsu WT, Jui HY, Huang YH, Su MY M, Wu YW, Tseng WY, Hsu MC, Chiang BL, Wu KK, **Lee CM\***. CXCR4 Antagonist TG-0054 mobilizes mesenchymal stem cells, attenuates inflammation, and preserves cardiac systolic function in a porcine model of myocardial infarction. *Cell Transplantation* 2015;24:1313-28.

Jung CJ, Yeh CY, Hsu RB, **Lee C-M**, Shun CT, Chia JS Endocarditis pathogen promotes vegetation formation by inducing intravascular neutrophil extracellular traps through activated platelets. *Circulation* 2015;131(6):571-81.

Chang YY, Chen A, Wu XM, Hsu TP, Liu LY, Chen YH, Wu YW, Lin HJ, Hsu RB, **Lee CM**, Wang SS, Lo MT, Chen MF, Lin YH. Comparison the prognostic value of galectin-3 and serum markers of cardiac extracellular matrix turnover in patients with chronic systolic heart failure. *Int J Med Sci* 2014;11(11):1098-1106. doi:10.7150/ijms.8083.

Wu Y-W, **Lee C-M**, Liu Y-B, Wang S-S, Tseng W-K, Jui H-Y, Wang S-Y, Horng H-E, Yang H-C, Wu C-C. Usefulness of magnetocardiography to detect coronary artery disease and cardiac allograft vasculopathy. *Circ J* 2013;77(7):1783-90

Hsu W-T, Lin C-H, Chiang B-L, Jui HY, Wu K. K, **Lee C-M\***. Prostaglandin E2 potentiates mesenchymal stem cell-induced IL-10+IFN- $\gamma$ +CD4+ regulatory T cells to control transplant arteriosclerosis. *J Immunol* 190(5):2372-80, 2013.

Chang P-Y, **Lee C-M**, Hsu H-C, Lin H-J, Chien K-L, Chen M-F, Chen C-H, Lee Y-T, Yang C-Y. Identification of the HDL-ApoCIII to VLDL-ApoCIII ratio as a predictor of coronary artery disease in the general population: The Chin-Shan Community Cardiovascular Cohort (CCCC) study in Taiwan. *Lipids Health Dis* 11(1):162, 2012.

Wu X-M, Lin Y-H, Chen A, Hsu T-P, Wu Y-W, Lin H-J, Hsu R-B, **Lee C-M**, Wang S-S, Lo M-T, Ho Y-L, Chen M-F. Prognostic significance of adipocytokines in systolic heart failure patients. *Eur J Clin Invest* 42(10):1079-1086, 2012.

Chou N-K, Jan C-F, Chi N-H, **Lee C-M**, Wu I-H, Huang S-C, Chen Y-S, Yu H-Y, Tsao C-I, Ko W-J, Chu S-H, Wang S-S. Cardiac allograft vasculopathy compared by intravascular ultrasound sonography: Everolimus to mycophenolate mofetil -- One single-center experience. *Transplant Proc* 2012;44(4):897-9.

Chen Y-H, Wu Y-W, Yang W-S, Wang S-S, **Lee C-M**, Chou N-K, Hsu R-B, Lin Y-H, Lin M-S, Ho Y-L, Chen M-F. Relationship between bone mineral density and serum osteoprotegerin in patients with chronic heart failure. *PLoS ONE* 2012;7(8):e44242. 2012.

Jui H-Y, Lin C-H, Hsu W-T, Liu Y-R, Hsu R-B, Chiang B-L, Tseng W-Y, Chen M-F, Wu K-K, **Lee C-M\***. Autologous Mesenchymal Stem Cells Prevent Transplant Arteriosclerosis by Enhancing Local Expression of Interleukin-10, Interferon- $\gamma$ , and Indoleamine 2,3-dioxygenase. **Cell Transplantation** 2012;21(5):971-84.

Liu MH, Wang CH, Huang YY, Tung TH, **Lee CM**, Yang NI, Liu PC, Cherng WJ. Edema index established by a segmental multifrequency bioelectrical impedance analysis provides prognostic value in acute heart failure. **J Cardiovas Med** 2012;13(5):299-306.

Liu MH, Wang CH, Huang YY, Tung, TH **Lee CM**, Yang NI, Wang JS, Kuo LT, Cherng WJ. Edema index-guided disease management improves 6-month outcomes of patients with acute heart failure. **Int heart J** 2012;53(1):11-17.

Wang SP, Lin LC, **Lee CM**, Wu SC. Effectiveness of a self-care program in improving symptom distress and quality of life in congestive heart failure patients: a preliminary study. **J Nurs Res** 2011;19(4):257-266.

Chien C-L, **Lee C-M**, Wu Y-W, Wu Y-T. Home-based exercise improves the quality of life and physical function but not the psychological status of people with chronic heart failure: a randomized trial. **J Physiother** 2011;57:157-63.

Huang C-L, Wu Y-W\*, Wang S-S, Tseng C-D, Chiang F-T, Hsu K-L, **Lee C-M**, Tzen K-Y. Continuous intravenous infusion of prostaglandin E1 improves myocardial perfusion reserve in patients with ischemic heart disease assessed by positron emission tomography: a pilot study. **Ann Nucl Med** 2011;25(7):462-8.

Wu Y-W, Chen Y-S, Wang S-S, Jui H-Y, Yen R-F, Tzen K-Y, Chen M-F, **Lee C-M\***. Myocardial perfusion reserve by positron emission tomography inversely correlates with intravascular ultrasound in angiographically normal cardiac transplant recipients. **J Nucl Med** 2010;51(6):906-12.

Lin Y-H, Lin C, Lo M-T, Lin H-J, Wu Y-W, Hsu R-B, Chao C-L, Hsu H-C, Wang P-C, Wu V-C, Wang S-S, **Lee C-M**, Chien K-L, Ho Y-L\*, Chen M-F, Peng C-K. The relationship between aminoterminal propeptide of type III procollagen and heart rate variability parameters in heart failure patients: a potential serum marker to evaluate cardiac autonomic control and sudden cardiac death. **Clin Chem Lab Med** 2010;48(12):1821-7.

Yu C-W, Shih T-T, Hsu C-Y, Lin L-C, Wei S-Y, **Lee C-M\***, Lee Y-T. Correlation between pancreatic microcirculation and type 2 diabetes in patients with coronary artery disease: dynamic contrast-enhanced MR imaging. **Radiology** 2009;252(3): 704-11.

Lin Y-H, Lin L-Y, Wu Y-W, Chien K-L, **Lee C-M**, Hsu R-B, Chao C-L, Wang S-S, Hsein YC, Liao L-C, Ho Y-L\*, Chen M-F. The relationship between serum galectin-3 and serum markers of cardiac extracellular matrix turnover in heart failure patients. **Clin Chim Acta** 2009;409(1-2):96-9.

Ho Y-L, Lin Y-H, **Lee C-M**, Hsu R-B, Ting H-T, Chou N-K, Chao C-L, Wang S-S, Hsu H-C, Chen M-F\*. Prognostic significance of adipocytokines and extracellular matrix activity in heart failure patients with high B-type natriuretic peptide. **Clin Biochem** 2009;42(13-14):1407-12.

Lin H-J, Chao C-L, Chien K-L, Ho Y-L, **Lee C-M**, Lin Y-H, Wu Y-W, Hsu R-B, Chou N-K, Wang S-S, Chen C-Y, Chen M-F\*. Elevated blood urea nitrogen-to-creatinine ratio increased the risk of hospitalization and all-cause death in patients with chronic heart failure. **Clin Res Cardiol** 2009;98(8):487-92.

**Lee C-M\***, Wu Y-W, Jui H-Y, Yen R-F, Tzen K-Y, Chou N-K, Wang S-S. Intravascular ultrasound correlates with coronary flow reserve and predicts the survival in angiographically normal cardiac transplant recipients. **Cardiology** 2008;109(2):93-8.

Hsu R-B, Tsai M-K, Lee P-H, **Lee C-M**, Chen M-F, Wang S-S, Lin F-Y, Chu S-H. Simultaneous heart and kidney transplantation from a single donor. **Eur J Cardiothorac Surg** 2008;34(6):1179-84.

Chien C-L, **Lee C-M**, Wu Y-W, Chen T-A, Wu Y-T\*. Home-based exercise increases exercise capacity but not quality of life in people with chronic heart failure: a systematic review. **Aust J Physiother** 2008;54(2):87-93.

Chang P-Y, Lu S-C, **Lee C-M**, Chen Y-J, Dugan T-A, Huang W-H, Chang S-F, Liao W-S, Chen C-H, Lee Y-T\*. Homocysteine inhibits arterial endothelial cell growth through transcriptional downregulation of fibroblast growth factor-2 involving G protein and DNA methylation. **Circ Res** 2008;102(8):933-41.

Chien K-L, Chen M-F, Hsu H-C, Su T-C, Chang W-T, **Lee C-M**, Lee Y-T\*. Genetic association study of APOA1/C3/A4/A5 gene cluster and haplotypes on triglyceride and HDL cholesterol in a community-based population. **Clinica Chimica Acta** 2008;388:78-83.

Lin Y-H, Liu C-P, Hsu R-B, **Lee C-M**, Wang S-S, Kao H-L, Chao C-L, Shiau Y-C, Hung C-S, Liao L-C, Ho Y-L. Association of amino-terminal propeptide of type III procollagen and acute myocardial rejection in male patients receiving heart transplantation. **Clin Chem Lab Med** 2007;45(8):1004-8.

Hu H, Jui H-Y, Hu F-C, Chen Y-H, Lai L-P, **Lee C-M\***. Predictors of Therapeutic Response to Beta-blockers in Patients with Heart Failure in Taiwan. **J Formos Med Assoc** 2007;106(8):641-8.

Hwang J-J, Hsu C-N, Hung C-S, Lin Y-H, Kao H-L, Chiang F-T, Chao C-L, **Lee C-M**, Wang T-D, Liao C-S, Hsu K-L, Lin L-C, Tsai C-T, Tseng C-D. Usefulness of drug eluting stent in percutaneous coronary intervention--a single center experience in Taiwan. **J Formos Med Assoc** 2007;106(8):624-30.

Ho Y-L, Hsu T-P, Chen C-P, Lee C-Y, Lin Y-H, Hsu R-B, Wu Y-W, Chou N-K, **Lee C-M**, Wang S-S, Ting H-T, Chen M-F. Improved cost-effectiveness for management of chronic heart failure by combined home-based intervention with clinical nursing specialists. *J Formos Med Assoc* 2007;106(4):313-9.

Chen C-Y, **Lee C-M**, Hsu H-C, Yang C-Y, Chow L-P, Lee Y-T\*. Proteomic approach to study the effects of various oxidatively modified low-density lipoprotein on regulation of protein expression in human umbilical vein endothelial cell. *Life Sciences* 2007;80: 2469-80.

**Lee C-M**, Wu Y-W, Chou N-K, Jui H-Y, Hsu R-B, Wang S-S, Chen M-F. Intravascular ultrasound evidence of angiographically silent allograft vasculopathy inversely correlates with circulating level of hepatocyte growth factor. *J Heart Lung Transplant* 2006;25(12):1456-61.

**Lee C-M**, Wu Y-W, Jui H-Y, Chen M-F, Lee Y-T, Soran O. Enhanced external counterpulsation reduces lung/heart ratio at stress in patients with coronary artery disease. *Cardiology* 2006;106:237-40.

Chou N-K, Chi N-H, Chen Y-S, Yu H-Y, **Lee C-M**, Huang S-C, Hsu R-B, Ko W-J, Lin F-Y, Chu S-H, Wang SS. Heart retransplantation for heart allograft failure in Chinese heart transplant recipients: NTUH experience. *Transplant Proc* 2006;38(7):2147-8.

Liu Y-B, Wu C-C, **Lee C-M**, Chen W-J, Wang T-D, Chen PS, Lee Y-T. Dyslipidemia is associated with ventricular tachyarrhythmia in patients with acute ST-segment elevation myocardial infarction. *J Formos Med Assoc* 2006;105(1):17-24.

Liau C-S, **Lee C-M**, Sheu S-H, Ueng K-C, Chien K-L, Su T-C, Lai W-T, Lin M-C, Lin C-S, Lin C-S. Efficacy and safety of olmesartan in the treatment of mild-to-moderate essential hypertension in Chinese patients. *Clin Drug Invest* 2005;25(7): 473-9.

**Lee C-M**, Chien C-T, Chang P-Y, Hsieh M-Y, Jui H-Y, Liau C-S, Hsu S-M, Lee Y-T. High-density lipoprotein antagonizes oxidized low-density lipoprotein by suppressing oxygen free-radical formation and reserving nitric oxide bioactivity. *Atherosclerosis* 2005;183(2):251-8.

Wu Y-W, **Lee C-M**, Huang Y-H, Chou N-K, Yen R-F, Tzen K-Y, Huang P-J. <sup>99m</sup>Tc-HL91 is inferior to <sup>201</sup>Tl in scintigraphic detection of chronic myocardial ischaemia. *Nucl Med Commun* 2005;26(12):1119-23.

Wu Y-W, Yen R-F, **Lee C-M**, Ho Y-L, Wang S-S, Hsu R-B, Chou N-K, Huang P-J. Usefulness of progressive inhomogeneity of myocardial perfusion and chronotropic incompetence in detecting cardiac allograft vasculopathy: evaluation with dobutamine thallium-201 myocardial SPECT. *Cardiology* 2005;104:156-61.

Wu Y-W, Huang P-J, **Lee C-M**, Ho Y-L, Lin L-C, Wang T-D, Wang S-S, Chen T-H, Yen R-F. Assessment of myocardial viability using F-18 fluorodeoxyglucose/Tc-99m



sestamibi dual-isotope simultaneous acquisition SPECT: comparison with TI-201 stress-reinjection SPECT. *J Nucl Cardiol* 2005;12(4):451-9.

Wu Y-W, Yen R-F, Lee C-M, Ho Y-L, Chou N-K, Wang S-S, Huang P-J. Diagnostic and prognostic value of dobutamine thallium-201 single-photon emission computed tomography after heart transplantation. *J Heart Lung Transplant* 2005;24: 544-50.

Chou N-K, Chen R-J, Ko W-J, Lin H-L, Yu S-Y, Chen Y-S, Hsu R-B, Lee C-M, Lin F-Y, Wang S-S. Cyclosporine C<sub>2</sub> monitoring is superior to C<sub>0</sub> in predicting acute cellular rejection in heart transplant recipients in Taiwan. *Transplant Proc* 2004;36:2393-95.

Lee Y-T, Lee C-M, Lin C-S, Sheu S-H, Kuo W-K, Tsai C-W, Huang L-C, Huang H-C, Wang J-S, Tseng W-K. A double-blind comparison of the efficacy and tolerability of telmisartan 40-80 mg vs. losartan 50-100 mg in Taiwanese hypertensive patients. *Intl J Clin Pract* Sup 2004;145:40-45.

Wang H-J, Ko W-J, Lee C-M, Hsu R-B, Chou N-K, Wang S-S, Liao C-S, Chu S-H, Lee Y-T. Delayed occurrence of cardiac allograft vasculopathy in Chinese heart transplant recipients compared with their western counterparts. *Clin Transplant* 2004;18:21-7.

Hsu R-B, Tsay Y-G, Lee C-M, Chen R-J, Wang S-S, Chu S-H. Soluble inflammatory markers in coronary sinus and peripheral blood of heart transplant recipients. *Clin Transplant* 2003;17:331-7.

Wu Y-W, Lee C-M, Lee Y-T, Wang S-S, Huang P-J. Value of circulating adhesion molecules in the assessment of cardiac allograft rejection. *J Heart Lung Transplant* 2003;22:1284-7.

Wu Y-W, Lee C-M, Hsu S-M, Lee Y-T. Association between endothelial nitric oxide synthase polymorphisms and the risk of premature coronary artery disease in Taiwan. *J Intern Med Taiwan* 2003;14(1):1-10.

Lee C-M. Myocardial biopsy following heart transplantation: in *Heart Transplantation* (Wang S-S, Chu S-S, Lee Y-T eds). 2001;187-95.

Ho Y-L, Chen C-L, Hsu R-B, Lin L-C, Yen R-F, Lee C-M, Chen M-F, Huang P-J. Assessment of the myocardial changes in heart transplant recipients without evident acute myocardial rejection by integrated backscatter: comparison with simultaneous dobutamine stress echocardiography and (201) thallium SPECT. *Ultrasound Med Biol* 2001;27(2):171-179.

Chien K-L, Chao C-L, Lee C-M, Chen M-F, Liao C-S, Lee Y-T. Gender differences in the patterns of coronary angiography and PTCA use in a university hospital in Taiwan. *J Formos Med Assoc* 2000;99(6):477-482.

Lee C-M, Liu C-C, Hsu H-C, Lee Y-T. Effects of fenofibrate and gemfibrozil on Chinese patients of type IIb dyslipidemia. *J Intern Med Taiwan* 2000;11(6):230-239.

**Lee C-M**, Lee Y-T, Lang M-G, Thirlwell J, Oddou-stock P. A comparison of valsartan and captopril in Taiwanese patients with essential hypertension. *Advances in Therapy* 1999;16(1):39-48.

Cieslik K, **Lee C-M**, Tang J-L, Wu K.K. Transcriptional regulation of endothelial nitric-oxide synthase by an interaction between casein kinase 2 and protein phosphatase 2A. *J Biol Chem* 1999;274:34669-75.

Chao C-L, Tsai H-H, **Lee C-M**, Hsu S-M, Kao J-T, Chien K-L, Sung F-C, Lee Y-T. The graded effect of hyperhomocysteinemia on the severity and extent of coronary atherosclerosis. *Atherosclerosis* 1999;147:379-86.

Lin W-W, Chen B-C, Hsu Y-W, **Lee C-M**, Shyue S-K. Modulation of inducible nitric oxide synthase induction by prostaglandin E2 in macrophages: distinct susceptibility in murine J774 and RAW 264.7 macrophages. *Prostaglandins Other Lipid Mediat* 1999;58:87-101.

Wang T-D, **Lee C-M**, Wu C-C, Lee T-M, Chen W-J, Chen M-F, Liao C-S, Sung F-C, Lee Y-T. The effects of dyslipidemia on left ventricular systolic function in patients with stable angina pectoris. *Atherosclerosis* 1999;146:117-24.

Hsu R-B, Chu S-H, Wang S-S, Ko W-J, Chou N-K, **Lee C-M**, Chen M-F, Lee Y-T. Low incidence of Transplant coronary artery disease in Chinese heart recipients. *J Am Coll Cardiol* 1999;33:1573-7.

Wang T-D, Wu C-C, Chen W-J, **Lee C-M**, Chen M-F, Liao C-S, Sung F-C, Lee Y-T. Dyslipidemia have a detrimental effect on left ventricular systolic function in patients with a first acute myocardial infarction. *Am J Cardio* 1998;81:531-7.

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Li H-P, **Lee C-M**, Chien K-L, Hsu H-C, Hwang Y-J, Lee Y-T. Correlation between dyslipoproteinemia is coronary artery disease in Taiwanese. *J Int Med Taiwan* 1997;8:12-17.

**Lee C-M**, Stevens L, Hsu H-C, Tsai S-C, Lee Y-T, Moss J, Vaughan M. Expression in human endothelial cells of ADP-ribosylation factors, 20-kDa guanine nucleotide-binding proteins involved in the initiation of vesicular transport. *J Mol Cell Cardiol* 1996;28:1911-1920.

Chen B-C, **Lee C-M**, Lin W-W. Inhibition of ecto-ATPase by PPADS, suramin and reactive blue in endothelial cells, C<sub>6</sub> glioma cells and RAW 264.7 macrophages. *Br J Pharmacol* 1996;119:1628 -1634.

Chen B-C, **Lee C-M**, Lee Y-T, Lin W-W. Characterization of signaling pathways of P<sub>2y</sub> and P<sub>2U</sub> purinoceptors in bovine pulmonary artery endothelial cells. **J Cardiolvasc Pharmacol** 1996;28:192-199.

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Chu S-H, Wang S-S, Tsai C-H, Wu C-C, **Lee C-M**, Chen W-J, Chen M-F, Liao C-S, Lee Y-T. Monitoring of two hearts in one chest. **J Cardiovasc Surg** 1995;36:449-454.

Kao H-L, Wu C-C, Ho Y-L, **Lee C-M**, Chen W-J, Chen M-F, Liao C-S, Lee Y-T. Dobutamine stress echocardiography predicts early wall motion improvement after elective percutaneous transluminal coronary angioplasty. **Am J Cardiol** 1995;76(10):652-56.

Chen M-F, Hsu H-C, Chen W-J, **Lee C-M**, Wu C-C, Liao C-S, Lee Y-T. Fish oil supplementation attenuates free radical generation in short-term coronary occlusion-reperfusion in cholesterol-fed rabbits. **Prostaglandins** 1994;47(4):307-17.

**Lee C-M**. Studies on human ADP-ribosylation factors. **Ph.D. thesis** of Institute of Clinical Medicine, National Taiwan University Medical College (Lee Y-T, Moss J, advisors), 1993.

Murtagh JJ, Lee F-J S, Deak P, Hall LM, Monaco L, **Lee C-M**, Stevens LA, Moss J, Vaughan M. Molecular characterization of a conserved, guanine nucleotide-dependent ADP-ribosylation factor in *Drosophila melano-gaster*. **Biochem J** 1993;32:6011-6018.

Liao C-S, H0 F-M, Lee T-M, Lin T-H, Chien K-L, Wu C-C, **Lee C-M**, Cjen W-J, Yang C-Y, Chen M-F, Lee Y-T. Ultrasound-guided non-surgical treatment of femoral artery. **J Med Ultrasound** 1993;1(4):177-81.

**Lee C-M**, Haun RS, Tsai S-C, Moss J, Vaughan M. Characterization of the human gene encoding ADP-ribosylation factor 1, a guanine nucleotide-binding activator of cholera toxin. **J Biol Chem** 1992;267:9028-9034.

Murtagh JJ, Mowatt MR, **Lee C-M**, Lee F-J S, Mishima K, Nash TE, Moss J Vaughan M. Guanine nucleotide-binding proteins in the intestinal parasite *Giardia lamblia*. **J Biol Chem** 1992;267: 9654-9662.

Haun RS, Srventi IM, Tsai S-C, **Lee C-M**, Cavanaugh E, Moss J, Vaughan M. in *Characterization of the family of mammalian genes encoding ADP-ribosylation factors: ADP-ribosylation Reactions* (Poiruer GG, Moreau P, eds) 1992;393-396. Springer-Verlag

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