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Curriculum Vitae

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Date of Birth: September 13, 1975
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Education:

Postgraduate Research Training

2011-2013 Doctor of Philosophy of Medicine, The University of Adelaide, Australia with full scholarship support (International Postgraduate Research Scholarship); Certificate No. 4887863E

Medicinae Doctor (Doctor of Medicine)

1993-2000 National Yang-Ming University, Taipei, Taiwan, R.O.C.

Senior High School

1990-1993 Kaohsiung Municipal High School

Experience:

1999-2000 Intern, Veterans General Hospital, Taipei, Taiwan
2000-2003 Resident of Internal Medicine, Veterans General Hospital, Taipei, Taiwan
2003-2005 Chief Resident of Cardiology, Veterans General Hospital, Taipei, Taiwan
2005-2006 Chief Resident of Internal Medicine, Veterans General Hospital,

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Taipei, Taiwan
2006-2007 Research Fellow of Cardiology, Veterans General Hospital,
Taipei, Taiwan
2007-2011 Instructor, Faculty of Medicine, National Yang-Ming University,
School of Medicine, Taipei, Taiwan.
2011-present Assistant professor, Faculty of Medicine, National Yang-Ming
University, School of Medicine, Taipei, Taiwan
2008-present Member of Academic Development Committee of Taiwan
Association of Medical Education
2008-present Member of Medical Education Committee of Taipei Veterans
General Hospital
2008-present Member of Medical Record Committee of Taipei Veterans
General Hospital
2009-present Member of Medical Education Development Committee of
National Yang-Ming University -Clinical Communication Skill
Course Director
2017 Secretary General, International Conference, Pulse of Asia 2017
2017-present Judge of the Competition of Healthcare Quality Improvement
Campaign (HQIC)

Licensure and Certification:

2000.10 Board of General Medicine, Certificate No. 032340
2004.1 Board of Internal Medicine, Certificate No. 006611
2005.11 Board of Cardiovascular Subspecialty, Certificate No. S1114
2006.12 Board of Critical Care Medicine, Certificate No. 00170
2007.10 Board of Interventional Cardiologist, Taiwan Society of
Cardiology, Certificate No. 0369
2007.10 Board of Interventional Cardiologist, Taiwan Society of
Cardiovascular intervention, Certificate No. 0124
2008.12 Tutor of postgraduate general medicine training program,
Certificate No.00113
2009.1 Board of Professional Echocardiographic physician, Certificate
No.0084
2009.1 Board of Instruction Physician of echocardiography, Certificate
No.022
2009.2 Tutor of Critical Appraisal and Systemic Review Workshop,
Taiwan Evidence based Medicine Association
2011.10 Instructor of Fellowship Training in Clinical Cardiology (心臟專

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- 科醫師之指導醫師), Taiwan Society of Cardiology, Certificate No.101016 (101 中心專指醫字 016 號)
- 2014.8 心血管疾病防治網認證醫師 北市衛健心字第 10336507301 號
- 2014.8 心臟專科醫師甄審筆試小組委員

Academic Appointments:

- 2007-2011 Instructor in Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 089340
- 2011-2017 Assistant Professor in Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 助理字第 032968
- 2013-present Joint Appointed Assistant Professor in Institute of Public Health, National Yang-Ming University, Taipei, Taiwan
- 2017-present Associate Professor in Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 副字第 144197 號
- 2017-present Joint Appointed Associate Professor in Institute of Public Health, National Yang-Ming University, Taipei, Taiwan
- 2018-present Principal Investigator, Cochrane Taiwan
- 2020-present Joint Appointed Associate Professor in Institute of Health and Welfare Policy, National Yang-Ming University
- 2021-present Professor in Department of Medicine, National Yang Ming Chiao Tung University College of Medicine, Taipei, Taiwan, Certificate No. xx

Hospital Appointments:

- 2007-present Attending Physician, Department of Medical Education and Research, Taipei Veterans General Hospital
- 2017-present Director, Center for Evidence-based Medicine, Taipei Veterans General Hospital

Medical Society Memberships:

- 2003-present Member of Taiwan Society of Internal Medicine.
- 2003-present Member of Taiwan Society of Cardiovascular.
- 2003-present Member of Taiwan Society of Echocardiography.
- 2003-present Member of Taiwan Society of Lipids and Atherosclerosis
- 2006-present Member of Taiwan Society of Critical Care Medicine
- 2007-present Member of Taiwan Association of Medical Education
- 2007-present Member of Taiwan Society of Cardiovascular intervention

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2008-present	Member of Taiwan Evidence Based Medicine Association
2009-present	Member of Taiwan Hypertension Society
2020-present	Hypertension Cardiovascular Outcome Prevention and Evidence in Asia (HOPE Asia) Network

Honors and Awards:

1993	For ranking, the 3rd place among Graduate of Kaohsiung Municipal High School
2000	For ranking, the 2nd place among Graduate of National Yang- Ming University, Taipei, Taiwan, R.O.C
2002	Examination for Grand Rounds & Clinical Pathological Conference Held by Department of Medicine, Veterans General Hospital-Taipei: The Second Place
2003	Examination for Grand Rounds & Clinical Pathological Conference Held by Department of Medicine, Veterans General Hospital-Taipei: The First Place
2005	Winner of "Best Poster Award competition" at Annual Meeting of the Taiwan Society of Cardiology, 2005.
2008	Excellence in Clinical Teaching Award, Faculty of Medicine, National Yang-min University
2008	Excellence in Internship Teaching Award, Taipei Veterans General Hospital
2008	Finalist in the " Young Investigator Award Competition" at Annual Scientific Session Program of Taiwan Society of Cardiology, 2008
2009	Finalist in the "Best Poster Award Competition" at Annual Scientific Session Program of American College of Cardiology, 2009
2010	3rd place winner of "Medical Technology Innovation Award" in Taipei Veterans General Hospital, 2010. Title: Estimation of Central Systolic Blood Pressure Using an Oscillometric Blood Pressure Monitor
2010	The Bronze Medal of Evidence-based Practice and Application Competition, 11th Health care Quality Improvement Circle, Taiwan Joint Commission on Hospital Accreditation, 2010
2013	1 st place winner of "Best Oral Presentation Competition Award" at International Conference, Pulse of Asia 2013

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- 2013 “Dean’s Commendation for Doctoral Thesis Excellence” by Adelaide Graduate Centre of The University of Adelaide
- 2013 2nd Place winner of “Young Investigator Award Competition” at Annual Convention & Scientific Session of the Taiwan Society of Cardiology, 2013
- 2013 Winner of “Best Poster Award competition’ at Annual Meeting of the Taiwan Society of Cardiology, 2013
- 2013 台北榮民總醫院公務人員專書閱讀心得寫作競賽：公共政策及管理知能類第一名
- 2013 Benjamin N. Chiang Prize of Outstanding Young Investigator in Cardiovascular Medicine Research, 2013
- 2014 2013-2014 科技部專題研究計畫卓越執行績效獎
- 2014 Winner of “International Young Investigator Competition Award” at Annual Convention & Scientific Session of the Taiwan Society of Cardiology, 2014
- 2015 Winner of “Best Oral Presentation Competition Award” at Annual Meeting of the Taiwan Society of Cardiology, 2015
- 2017 Excellence in Clerkship Teaching Award, National Yang-Ming University
- 2017 Excellence in Clerkship Teaching Award, National Yang-Ming University
- 2018 Excellent Physician, Veterans Affairs Council, Republic of China
- 2019 Excellent Teacher, Faculty of Medicine, National Yang-Ming University
- 2020 Excellent Work, Outstanding Research Paper Award, Taipei Veterans General Hospital
- 2021 Excellent Work, Outstanding Research Paper Award, Taipei Veterans General Hospital

Commissioner of Committee:

- 2007-present Executive Secretary, Faculty Development Center, Taipei Veterans General Hospital
- 2007-present Medical Education Committee, Taipei Veterans General Hospital
- 2008-2010 Medical Record Committee, Taipei Veterans General Hospital
- 2008-2011 Medical Education Development Committee, Faculty of

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	Medicine, National Yang-Ming University
2012-present	Hypertension Committee, Taiwan Society of Cardiology
2013-present	Academic Committee, Taiwan Hypertension Society
2014-2016	Medical Record Committee, Taipei Veterans General Hospital
2015-present	Vice director, Taiwan Joanna Briggs Institute (TJBCC)
2015-present	Executive council member, Taiwan Evidence-Based Medicine Association
2016	Performance Evaluations Committee, Taipei Veterans General Hospital
2017-2020	海峽兩岸醫藥衛生交流協會第二屆心血管專業委員會委員
2018-present	Smart Healthcare Hospital, Taipei Veterans General Hospital
2018-present	Associate Chairman, Hypertension Committee, Taiwan Society of Cardiology
2018-present	Medical Education Development Committee, Faculty of Medicine, National Yang-Ming University
2018-present	Curriculum Monitoring and Postgraduate Year Program Organizing Working Group, National Yang-Ming University
2018-present	Evidence-based Medicine Working Group, National Yang-Ming University
2021-present	Director, Taiwan Hypertension Society
2021-present	Chairman, Education Committee, Taiwan Hypertension Society
2021-present	Executive Director, Taiwan Society of Aldosteronism

Editorial Board Member of Journal:

2012-present	Associate Editor: BMC Cardiovascular Disorders
2013-present	Editor: 榮總人月刊
2015-present	Editor: JBI Evidence Synthesis
2019-present	Editor: Current Hypertension Reviews
2019-present	Journal of Clinical Hypertension
2020-present	American Journal of Hypertension
2021-present	Associate Editor: Blood Pressure Monitoring

Referee of Journal:

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2011-present	International Journal of Nursing Practice
2013-present	JBI Database of Systematic Reviews and Implementation Reports
2013-present	Journal of Medical Case Reports
2013-present	American Journal of Hypertension (>10/year): http://www.oxfordjournals.org/our_journals/ajh/editorial_board.html
2013-present	Hypertension
2014-present	科技部-科教發展及國際合作司研究計畫審查委員
2014-present	Journal of the Chinese Medical Association
2014-present	Global Health Promotion
2014-present	Journal of the American Heart Association
2014-present	Taiwan Clinical Practice Guideline for the Management of Chronic Kidney Disease
2016-present	Hypertension Research
2016-present	Blood Pressure
2016-present	Scientific Reports
2017-present	Rater, More team, Health Information Research Unit at McMaster University
2017-present	PLOS ONE
2017-present	Pulse
2018-present	IEEE Journal of Biomedical and Health Informatics
2018-present	科技部生命科學研究發展司研究計畫審查委員
2018-present	The Journal of Pediatrics
2018-present	BMJ Open
2018-present	The Lancet Diabetes & Endocrinology
2018-present	Clinical Interventions in Aging
2018-present	Journal of Clinical Hypertension
2018-present	Diabetes, Obesity And Metabolism
2018-present	Heart and Vessels
2018-present	Clinical and Experimental Hypertension
2018-present	Annals of Internal Medicine
2019-present	Cardiovascular Therapeutics
2019-present	IEEE Access
2020-present	Thrombosis and Hemostasis
2020-present	Frontiers in Physiology
2020-present	Archives of Gerontology and Geriatrics
2020-present	Frontiers in Digital Health

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2020-present	BioMed Research International
2020-present	Journal of Medical Sciences
2020-present	Brain Sciences
2020-present	Translational Stroke Research
2021-present	The International Journal of Clinical Practice
2021-present	Measurement

Publications

A citation report of the following publication can be checked up by clicking this hyperlink:
(http://scholar.google.com.hk/citations?hl=zh-TW&user=OWqf2vkAAAAJ&view_op=list_works&pagesize=100)

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1. Hao-Min Cheng, M.D.,* jaw-Wen Chen, M.D. Atherosclerotic renal artery stenosis, *Clinical Medicine*. 2003; 52:272-281
2. Hao-Min Cheng, M.D. ,* De-Feng Huang, M.D., Hsin-Bang Leu, M.D. Disseminated nocardiosis with initial manifestation mimicking disease flare-up systematic lupus erythematosus in SLE patient. *Am J Med*. 2005 Nov; 118 (11):1297-8.
3. Hao-Min Cheng, MD,* Shao-Yuan Chuang, MS, Pai-Feng Hsu, MD, Pesus Chou, DPH, Chen-Huan Chen, MD. Systolic Time Intervals Revisited: Correlations with NT-proBNP in a Community Population. *Heart Vessels*. 2005 Nov;20(6):256-63.
4. Hao-Min Cheng, M.D., * Pai-Feng Hsu, M.D., Hsin-Bang Leu, M.D. Giant Left Main Coronary Artery Aneurysm with Organized Thrombus. *Clin. Cardiol*. 2006. 29(4):180
5. Hao-Min Cheng,* Wen-Chung Yu, Chen-Huan Chen. Prevalence of Arteriosclerosis and Atherosclerosis in stable patients at a Cardiovascular Outpatient Clinic: Potential for Better Care. *J Chin Med Assoc*. 2006 Jan;69(1):14-20.
6. Shao-Yuan Chuang, MS; Pesus Chou, DPH; Pai-Feng Hsu, MD; Hao-Min Cheng, Shih-Tzer Tsai, MD; I-Feng Lin, DPH; Chen-Huan Chen, MD. Presence and Progression of Abdominal Obesity Are Predictors of Future High Blood Pressure and Hypertension. *Am J Hypertens*. 2006;19:788–795
7. Shao-Yuan Chuang, Hao-Min Cheng, Pesus Chou, Chen-Huan Chen. Prevalence of Isolated Systolic Hypertension and the Awareness, Treatment, and Control Rate of Hypertension in Kinmen. *Acta Cardiol Sin*. 2006;22:83-90.
8. Min-Ji Charng, Kuan-Rau Chiou, Hua-Mei Chang, Hao-Ming Cheng, Zhong-Xuan Ye, Shing-Jong Lin. Identification and Characterization of LDLR Mutations in Patients with Familial Hypercholesterolemia in Taiwan. *European Journal of Clinical Investigation*. 2006;36,866–874
9. H.M. Cheng,* Z.X. Ye, K.R Chiou, S.J. Lin, and M.J. Charng. Vascular Stiffness in Familial hypercholesterolemia is Associated with CRP and Cholesterol Burden. *Eur J Clin Invest*. 2007;37,197–206
10. Shih-Hsien Sung, M.D., Shou-Dong Lee, M.D., FAGA, Hao-Min Cheng, M.D** . An Unusual Cause of Left Atrial Mass. *Eur Heart J*. 2007 Nov;28(21):2597
11. Zhong-Xuan Ye, Hao-Ming Cheng, Kuan-Rau Chiou, Po-Hsun Huang, Shing-Jong Lin, Min-Ji Charng. Relation of Coronary Artery Calcium to Flow-Mediated Dilatation and C-Reactive Protein Levels in Asymptomatic Patients with Heterozygous Familial Hypercholesterolemia. *Am J Cardiol*. 2007 Oct 1;100(7):1119-1123

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12. Shih-Hsien Sung, M.D., Wen-Chung Yu, M.D., Shuenn-Jiin Ho, R.N., Hao-Min Cheng, M.D**. Vegetation Stalagmite in Left Atrium: A Variant of Infective Endocarditis. *Circulation*. 2007;116:e359-e361
13. Pai-Feng Hsu, MD., Shao-Yuan Chuang, DPH, Hao-Min Cheng, MD., Shih-Tzer Tsai, MD., Pesus Chou, DPH, Chen-Huan Chen, MD. Clinical Significance of the Metabolic Syndrome in the Absence of Established Hypertension and Diabetes: A Community-based Study. *Diabetes Research and Clinical Practice*. 2008; 79(3), 461-67
14. Zhong-Xuan Ye, MD, Hao-Ming Cheng, MD, Kuan-Rau Chiou, MD, Min-Ji Charng, MD, PhD. Relation of C-Reactive Protein and Carotid Intima Media Thickness in Taiwanese with Familial Hypercholesterolemia. *Am J Cardiol*. 2008 Jul 15;102(2):184-7
15. Pai-Feng Hsu, Wen-Chung Yu, I-Feng Lin, Yao-Ping Lin, Shao-Yuan Chuang, Hao-Min Cheng, Chen-Huan Chen. Differential Effects of Age on Carotid Augmentation Index and Aortic Pulse Wave Velocity in End-stage Renal Disease Patients. *J Chin Med Assoc* 2008;71(4):166–173
16. Hao-Min Cheng,* Wen-Chung Yu, Shih-Hsien Sung, Kang-Ling Wang, Shao-Yuan Chuang, Chen-Huan Chen. Usefulness of Systolic Time Intervals in the Identification of Abnormal Ventriculo-arterial Coupling in Stable Heart Failure Patients. *Eur J Heart Fail*. 2008 Dec;10(12):1192-200
17. Kang-Ling Wang, Hao-Min Cheng, Shao-Yuan Chuang, Harold A. Spurgeon, Chih-Tai Tinge, Edward G. Lakattad, Frank C.P. Yinf, Pesus Chouh, Chen-Huan Chen. Central or Peripheral systolic or pulse pressure: Which best relates to target-organs and future mortality? *J Hypertens*. 2009,27(3):461-7.
18. Cho-Yu Chan, Hao-min Cheng, Chin-Chou Huang, Chun-Lien Wu, Hui-Wen Yang, Ya-Lin Chen, Chen-Huan Chen. Using Very Limited Resources to Teach Basic Clinical Communication Skills in Medical School. *Journal of Medical Education*. 2009,13(1),49-59.
19. Kang-Ling Wang, Hao-Min Cheng, Shih-Hsien Sung, Shao-Yuan Chuang, Harold A. Spurgeon, Chih-Tai Ting, Samer S. Najjar, Edward G. Lakatta, Frank C.P. Yin, Pesus Chou, Chen-Huan Chen. Wave Reflection And Arterial Stiffness In The Prediction Of 15-Year All-Cause And Cardiovascular Mortalities: A Community-Based Study. *Hypertension*. Jan 11, 2010;55:799.
20. Hao-Min Cheng,* Kang-Lin Wang, Ying-Hw Chen, Shing-Jon Lin, Lung-Ching Chen, Shih-Hsien Sung, Philip Yu-An Ding, Wen-Chung Yu, Jaw-Wen Chen, Chen-Huan Chen. Estimation of Central Systolic Blood Pressure Using an Oscillometric Blood Pressure Monitor. *Hypertension research*, 2010 Jun;33(6):592-9
21. Tze-Fan Chao, M.D., Shih-Hsien Sung, M.D., Hao-Min Cheng, M.D., Wen-Chung Yu, M.D., Kang-Ling Wang, M.D., Chi-Ming Huang, M.D., Chen-Huan Chen, M.D. Electromechanical Activation Time in the Prediction of Discharge Outcomes in Patients Hospitalized with Acute Heart Failure Syndrome. *Inter Med* 2010; 49: 2031-2037.
22. Ying-Ying Yang, Fa-Yauh Lee, Hui-Chi Hsu, Yen-Shou Kao, Cheng-Hung Tai,

- Hao-Min Cheng, Wen-Shin Lee, Chiao-Lin Chuang, Ching-Chi Chang, Chen-Huang Chen. Evaluation of the Clinical Competences of Dental Interns Using a Mini-CEX. *Journal of Medical Education* 2010.14, 251-261.
23. Chao-Feng Liao, M.D., Hao-Min Cheng, M.D., Shih-Hsien Sung, M.D., Wen-Chung Yua, M.D., Chen-Huan Chen, M.D. Determinants of Pressure Wave Reflection: Characterization by the Transit-time Independent Reflected Wave Amplitude. *J Hum Hypertens*. 2011 Nov;25(11):665-71.
 24. Huang CM, Wang KL, Cheng HM, Chuang SY, Sung SH, Yu WC, Ting CT, Lakatta EG, Yin FC, Chou P, Chen CH. Central versus ambulatory blood pressure in the prediction of all-cause and cardiovascular mortalities. *J Hypertens*. 2011 Mar; 29(3):454-9.
 25. Shih-Hsien Sung, Wen-Chung Yu, Hao-Min Cheng, Shao-Yuan Chuang, Kang-Ling Wang, Chi-Ming Huang, Chen-Huan Chen. Pulsatile Hemodynamics and Clinical Outcomes in Acute Heart Failure. *American Journal of Hypertension*, 2011;24(7):775-82
 26. Cheng HM,* Lang D, Pearson A, Worthley SG. Measurement Accuracy of Non-invasively Obtained Central Blood Pressure: A Systematic Review and Meta-analysis. *The Joanna Briggs Institute Library of Systematic reviews (Protocol)*. 2011: <http://www.jbiconnectplus.org/ViewSourceFile.aspx?0=5138>
 27. Yuan-Ta Shih, Hao-Min Cheng,* Shih-Hsien Sung, Wei-Chih Hua**, Chen-Huan Chen. Quantification of the Calibration Error in the Transfer function-derived Central Aortic Blood Pressure. *American Journal of Hypertension*. 2011;24(12): 1312-7.
 28. Yang YY, Lee FY, Hsu HC, Huang CC, Chen JW, Lee WS, Chuang CL, Chang CC, Cheng HM, Huang CC. A core competence-based objective structured clinical examination (OSCE) in evaluation of clinical performance of postgraduate year-1 (PGY(1)) residents. *J Chin Med Assoc*. 2011;74(5):198-204
 29. Hao-Ming Cheng,* MD, Zhong-Xuan Ye, Min-Ji Chang. Association of Pathobiologic Determinants of Atherosclerosis in Youth Risk Score and Carotid Artery Intima-media Thickness in Asymptomatic Young Heterozygous Familial Hypercholesterolemia Patients. *Acta Cardiologica Sinica*. 2011;27:152 7.
 30. Cheng HM,* Lang D, Pearson A, Worthley SG. Measurement Accuracy of Non-invasively Obtained Central Blood Pressure: A Systematic Review and Meta-analysis. *The Joanna Briggs Institute Library of Systematic reviews*. 2011;9(44):1900
 31. Lee FY, Yang YY, Hsu HC, Chuang CL, Lee WS, Chang CC, Huang CC, Chen JW, Cheng HM, Jap TS. Clinical instructors' perception of a faculty development programme promoting postgraduate year-1 (PGY1) residents' ACGME six core competencies: a 2-year study. *BMJ Open*. 2011 Nov 24;1(2):e000200.
 32. Yang YY, Lee FY, Hsu HC, Huang CC, Chen JW, Cheng HM, Lee WS, Chuang CL, Chang CC, Huang CC. Assessment of first-year post-graduate residents: Usefulness of multiple tools. *J Chin Med Assoc*. 2011 Dec;74(12):531-8
 33. Hao-Min Cheng,* Fei Ran Guo, Teh Fu Hsu, Shao Yuan Chuang, Hung Tsang Yen, Fa Yauh Lee, Ying Ying Yang, Te Li Chen, Wen Shin Lee, Chiao Lin

- Chuang, Chen Huan Chen, Low Tone Ho. Two Strategies to Intensify Evidence-based Medicine Education of Undergraduate Students: A Randomised Controlled Trial. *Annals, Academy of Medicine, Singapore*. 2012; 41:4-11
34. Shih-Hsien Sung, Hao-Min Cheng,* Shao-Yuan Chuang, Yuan-Ta Shih, Kang-Ling Wang, Ying-Hwa Chen, Shing-Jong Lin, Wen-Chung Yu, Chen-Huan Chen. Measurement of Central Systolic Blood Pressure by Pulse Volume Plethysmography with A Noninvasive Blood Pressure Monitor. *Am J Hypertens*. 2012 May;25(5):542-8.
 35. Mei-Mei Lin, M.D, Hao-Min Cheng,** M.D., Shih-Hsien Sung, M.D., Chao-Feng Liao, M.D., Ying-Hwa Chen, M.D., Po-Hsun Huang, M.D., PhD., Chen-Huan Chen, M.D. Estimation of central aortic systolic pressure from the second systolic peak of the peripheral upper limb pulse depends on central aortic pressure waveform morphology. *J Hypertens*. 2012 Mar;30(3):581-6
 36. Mei-Mei Lin, Hao-Min Cheng.** *Images in Cardiovascular Medicine: Tuberculous Aortitis*. *Intern. Med*. 2012;51:1983-5.
 37. Shih-Hsien Sung, Wen-Chung Yu, Hao-Min Cheng, Ching-Wei Lee, Shao-Yuan Chuang, Chen-Huan Chen. Excessive wave reflections on admission predict post-discharge events in patients hospitalized due to acute heart failure. *Eur J Heart Fail* 2012;14:1348-55.
 38. Hao-Min Cheng,* Shih-Hsien Sung, Yuan-Ta Shih, Shao-Yuan Chuang, Wen-Chung Yu, Chen-Huan Chen. Measurement of Central Aortic Pulse Pressure: Noninvasive Brachial Cuff-based Estimation by A Transfer Function vs. A Novel Pulse Wave Analysis Method. *Am J Hypertens*. 2012;25:1162-9.
 39. Angela PC Fan, PhD, Russell O Kosik, MD, MPH, Greg A Mandell, BS, Psych, Dong Trieu Phuong Tran, MD, MPH, HM Cheng, MD, Chen Huan Chen, MD, Tong-Pying Su, MD, Allen WH Chiu MD, PhD. Suicidal Ideation in Medical Students: Who Is at Risk? *Ann Acad Med Singapore* 2012;41:377-82
 40. Hao-Min Cheng,** M.D., Catalin Tufanaru, M.D., Dora Lang, R.N., Alan Pearson, AM, PhD. Measurement Accuracy of Non-invasively Obtained Central Blood Pressure by Applanation Tonometry: A Systematic Review and Meta-analysis. *Int J Cardiol*. 2013; 167 (5):1867-76
 41. Hao-Min Cheng,* Shih-Hsien Sung, Yuan-Ta Shih, Shao-Yuan Chuang, Wen-Chung Yu, Chen-Huan Chen. Measurement Accuracy of A Standalone Oscillometric Central Blood Pressure Monitor: A Validation Report for Microlife WatchBP Office Central. *Am J Hypertens*. 2013;26(1):42-50.
 42. Yuan-Ta Shih, Hao-Min Cheng,* Shih-Hsien Sung, Wei-Chih Hua**, Chen-Huan Chen. Comparison of Two Generalized Transfer Function for Measuring Central Systolic Blood Pressure by An Oscillometric Blood Pressure Monitor. *J. Hum. Hypertens*. 2013;27:204-210
 43. Pai-Feng Hsu, M.D., Shih-Hsien Sung, M.D., Hao-Min Cheng, M.D., Jong - Shiuan Yeh, M.D., Wen-Ling Liu M.S., Wan-Leong Chan, M.D. Chen-Huan Chen, M.D., Pesus Chou, Dr.P.H., Shao-Yuan Chuang, PhD. Association of clinical symptomatic hypoglycemia with cardiovascular events and total mortality in type 2 diabetes mellitus: A nationwide population-based study. *Diabetes Care*.

2013;36(4):894-900

44. Hao-Min Cheng, M.D. Catalin Tufanaru, M.D, Alan Pearson, Chen-Huan Chen, M.D. Correspondence: Automated blood pressure measurement in atrial fibrillation: a systematic review and meta-analysis. *J Hypertens.* 2013; 31(1): 214-5
45. Pai-Feng Hsu, Shao-Yuan Chuang, Hao-Min Cheng, Shih-Hsien Sung, Chih-Tai Ting, Edward G. Lakatta, Frank C.P. Yin, Pesus Chou, Chen-Huan Chen. Associations of Serum Uric Acid Levels with Arterial Wave Reflection and Central Systolic Blood Pressure. *Int J Cardiol.* 2013; 168 (3):2057-63.
46. Shih-Hsien Sung, Hao-Min Cheng, Kang-Ling Wang, Wen-Chung Yu, Shao-Yuan Chuang, Chih-Tai Ting, Edward G. Lakatta, Frank C.P. Yin, Pesus Chou, Chen-Huan Chen. White Coat Hypertension Is More Risky Than Pre-hypertension: Important Role of Arterial Wave Reflections. *Hypertension.* 2013; 61 (6):1346-53.
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207. Kun-Ta Chou, Yu-Lun Tsai, Wan-Yu Yeh, Yuh-Min Chen, Nicole Huang, Hao-Min Cheng**. Risk of Work-related Injury in Workers with Obstructive Sleep Apnea: A Systematic Review and Meta-analysis. Journal of Sleep Research. 2021; in press.

*: indicates first author or equal contribution to first author.

** : indicates corresponding author or equal contribution to corresponding author

Patent

1. **Patent Name:** 一種經由測量遠端動脈估算中央動脈血壓的測量裝置 及方法
IMPROVED ESTIMATION OF PRESSURE AT REMOTE SITE BY BRACHIAL
OSCILLOMETRIC WAVEFORM ANALYSIS.

Inventor: 鄭浩民*、陳震寰

License No.:

- 中華民國 專利新型第 M 371006 號 專利發明第 I 409051 號
- 日本 專利證書號碼 071140-JP
- 美國 專利: US 8,568,440 B2

Patent Period: 2009.12.21-2018.11.9

Technical Transfer: 百略醫學科技股份有限公司「CSBP(Central Systolic Blood Pressure)」技術

Budget of Technical Transfer: 4,500,000 NTD

Duration of Contract: 2009.12-2014.12

2. **Patent Name:** 測量血管硬化之血壓計.

發明人: 胡威志、徐良育、石園達、孫以容、陳震寰、鄭浩民

License No.:

- 中華民國專利發明第 I 392478 號

3. **Patent Name:** 一種經由測量遠端動脈估算中央動脈血壓的測量裝置 一種藉壓脈帶壓力脈波震盪訊號以預估中央動脈脈搏壓的方法及其裝置/ A METHOD FOR ESTIMATING CENTRAL AORTIC PULSE PRESSURE BY CUFF PRESSURE PULSE WAVE OSCILLATION SIGNALS AND DEVICE THEREOF

Inventor: 陳震寰、鄭浩民、宋思賢

License No.:

- 日本專利證書號碼 P12769W-JP
- 中華民國專利發明第 I 475977 號 (2015 年 3 月 11 日至 2032 年 6 月 19 日)
- 中國專利發明第 ZL 2012 I 0204839.8
- 美國專利 US20130345576
- 歐盟專利申請中

4. **Patent Name:** 測量血管硬化指數之方法.

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發明人: 胡威志、徐良育、石園達、孫以容、陳震寰、鄭浩民 (Wei-Chih HU, Liang-Yu Shyu, Yuan-Ta Shih, Yi-Jung Sun, Chen-Huan Chen, Hao-Min Cheng)

License No.:

- 中華民國專利發明第 I 446893 號
- 美國專利發明 US 9022943B2: Method for detecting vascular sclerosis

5. Patent Name: 中央動脈血壓估計方法及其裝置

METHOD FOR ESTIMATING CENTRAL AORTIC BLOOD PRESSURE AND APPARATUS USING THE SAME

發明人: 陳震寰 (TW) CHEN, CHEN HUAN; 鄭浩民 (TW) CHENG, HAO MIN; 宋思賢 (TW) SUNG, SHIH HSIEN; 石園達 (TW) SHIH, YUAN TA

License No.:

- 中華民國專利發明第: I498098 號、I600408 號
- 日本及中國大陸專利申請中

6. Patent Name: 中央動脈血壓估計裝置

發明人: 陳震寰 (TW) CHEN, CHEN HUAN; 鄭浩民 (TW) CHENG, HAO MIN; 宋思賢 (TW) SUNG, SHIH HSIEN;

License No.:

- 中國專利 ZL 2012 1 0405274.X

7. Patent Name: 生理狀態的風險評估系統、方法及電子裝置

【中文發明名稱】

生理狀態的風險評估系統、方法及電子裝置

【英文發明名稱】

SYSTEM AND METHOD FOR EVALUATING RISK OF PHYSIOLOGICAL STATUS AND ELECTRONIC DEVICE

發明人: 鄭浩民、陳震寰、陳亮恭

- 專利申請中

8. Patent Name: 利用 24 小時血壓資料預測發生心血管疾病之風險

- 專利申請中

9. Patent Name: 疾病分類方法及疾病分類裝置

- 專利申請中

10. Patent Name: 利用週期性生理訊號產生電阻抗體層成像方法與裝置

July 19, 2021

【英文發明名稱】

METHOD AND DEVICE FOR GENERATING EIT IMAGE USING PERIODIC BIOMEDICAL SIGNA

· 專利申請中

Books or Chapters 書籍或章節著作

1. 住院醫師的六大核心能力，第二版（2014）；台灣醫學教育學會。
2. 高血壓 122 問，第一版(2014)；健康世界有限公司。
3. 醫學文獻導讀-實證臨床實務精要，第一版(2017)；碩亞數碼有限公司。
4. 實證護理 Evidence-based Nursing，第一版(2017)；新文京開發出版股份有限公司。
5. 化知識為行動: GRADE 於系統性文獻回顧與實證臨床指引之應用，第一版 (2018)；碩亞數碼有限公司。
6. 從症狀到診斷-實證醫學指引，第一版(2020)

Editorial in Newspaper 報章專論

1. Title: 隱私保護與醫護安全-愛滋器捐事件引起的漣漪；蘋果日報論壇 5th Sep, 2011
2. Title: 誰來決定醫界的未來；蘋果日報論壇 26 July, 2016

Experiences in conducting research

● Record of Serving as Principal Investigator

年度	計畫編號	計畫名稱	執行期間	經費提供單位	經費 (NTD)
2020	MOST 109-2314-B-010-061 -	透過早期或是超乎正常的血管老化過程 發現血管老化及認知功能障礙的 保護機轉—藉由探索不同血管老化型態 之微菌叢及相關的免疫路徑找出可能的 保護機 轉(1/3)	2020/8/1-2022/7/31	科技部	330 萬
2019	V108E-001	實證醫學中心卓越特色計畫(第二年)	2019/01/01-2019/12/31	臺北榮民總醫院	228 萬
2019	V108E-003	智慧病歷開發及決策整合計畫: 導引式電 子病歷暨醫療決策輔助系統	2019/03/20-2020/03/19	臺北榮民總醫院	230 萬
2019		發展血管老化及其併發症的預防、精準 治療暨遠端居家照護之全人醫療照護策 略	2019/05/01-2021/04/30	宏碁-台北榮總產學合 作	120 萬
2019	V108E-004-5	心衰病患使用穿戴式裝置監控並與預後 療程比對	2019/03/20- 2020/03/19	臺北榮民總醫院	80 萬
2019	107F-M01-0501	跨領域研究團隊領導者育成計畫-發展心 臟衰竭及其併發症的預防、精準治療暨 遠端居家照護之全人醫療照護策略	2018/08/01-2020/07/31	國立陽明大學醫學院	600 萬
2019	V108C-056	2019 Guiding Hypertension Management	2019/01/01-2019/12/31	臺北榮民總醫院	80 萬

		Using Different Blood Pressure Monitoring Strategies (GYMNs study)			
2018	BC1071056	心音分析與心律變異對於急性心臟衰竭病人的預後風險預測效果-台灣心臟衰竭登錄研究	2018/07-2021/07	德澤基金會	782 萬
2017	MOST 106-2511-S-075 -002 -MY2	翻轉式實證醫學教學：課程設計、教師培育、傾向分數配對世代之成效評估	2017/08/01-2019/07/31	科技部	190.6 萬
2017	MOST 106-2314-B-075 -051 -MY3	血管鈣化對於心臟及認知功能的影響：改善心臟血管的不良匹配及脈波性腦病變的可能標的	2017/08/01-2020/07/31	科技部	411 萬
2018	V107E-001-1	實證醫學中心卓越特色計畫	2018/01/01-2018/12/31	臺北榮民總醫院	217 萬
2018	V107C-057	個人化的實證醫學：融合病患價值在統合分析的過程之方法學建立	2018/01/01-2018/12/31	臺北榮民總醫院	32.2 萬
2017	V106C-102	應用動脈系統水庫理論評估急性心臟衰竭病人之預後--第二年計畫	2017/1/1-2017/12/31	臺北榮民總醫院	48.7 萬
2016	V105C-064	應用動脈系統水庫理論評估急性心臟衰竭病人之預後--第一年計畫	2016/1/1-2016/12/31	台北榮民總醫院	63.7 萬
2016	MOST 104-2511-S-075 -002 -MY2	一般醫學核心實習課程之成效影響因素：傾向分數配對世代之前瞻性研究（第二年及第三年）	2015/8/31-2017/7/31	科技部	195.2 萬
2016	VN105-16	舒張性心臟衰竭病患之心臟纖維化，血行	2016/1/1-2016/12/31	台大榮總	86 萬

		動力學與血清激素之整合分析研究 (第三年)			
2015	VN104-01	舒張性心衰竭病患之心臟纖維化，血行動力學與血清激素之整合分析研究 (第二年)	2015/1/1/-2015/12/31	台大榮總	86 萬
2015	V104C-017	運用風險校正模型於健保資料庫進行成本效益分析之前瞻性研究	2015/1/1/-2015/12/31	台北榮民總醫院	60 萬
2014	MOST 103-2511-S-075 -004	一般醫學核心實習課程之成效影響因素：傾向分數配對世代之前瞻性研究	2014/08/01~2015/07/31	科技部	72.7 萬
2014	VN103-13	舒張性心衰竭病患之心臟纖維化，血行動力學與血清激素之整合分析研究	2014/2/1/-2014/12/31	台大榮總	86 萬
2014	VGHUST103-G7-1-1	腎交感神經阻斷術對於心臟結構功能之變化與心血管耦合作用之影響	2014/1/1-2014/12/31	榮台聯大	25.5 萬
2014	V103C-020	台北榮民總醫院臨床實證轉譯推廣計畫	2014/1/1-2014/12/31	台北榮民總醫院	60 萬
2013	102-2511-S-075-002	Comparison of core clerkship programs in internal medicine and surgery at an oncology hospital and a tertiary general hospital	2013/8/1-2014/7/31	國科會	68.7 萬
2010	V99B1-005	利用脈波震盪技術評估血管內皮功能	2010/01/01-2010/12/31	台北榮民總醫院	39.2 萬
2010	V99EA-004	教師培育中心執行計畫	2010/01/01-2010/12/31	台北榮民總醫院	141 萬
2009	V98B1-009	利用高於收縮壓的上臂脈波容積紀錄波形評估左心室功能	2009/01/01-2009/12/31	台北榮民總醫院	45 萬
2009	YM980930	利用脈壓振盪技術估計中央動脈收縮壓：	2010/01/01~2012/12/3	國立陽明大學	100 萬

		驗證研究-百略醫學科技股份有限公司	1		
2009	V98S33-001	教師培育中心發展計畫	2009/01/01-2009/12/31	台北榮民總醫院	100 萬
2008	V97A-043	心臟收縮間期與 Tei 指標對於心室動脈 連結與心室舒張功能評估之比較	2008/01/01-2008/12/31	台北榮民總醫院	10 萬
2008	V97S1-012	實證醫學技能: 教師培育及臨床訓練模式 建立	2008/01/01-2008/12/31	台北榮民總醫院	29 萬
2006	V95A001	心臟收縮間期在左心室舒張功能以及心 臟血管功能連結之角色	2006/01/01-2006/12/31	台北榮民總醫院	13.5 萬
2005	VGH94-006	運用心臟收縮間期於社區心臟衰竭之篩 檢	2005/01/01-2005/12/31	台北榮民總醫院	15 萬

● Record of Serving as co- Principal Investigator

年度	計畫編號	計畫名稱	執行期間	經費提供單位	經費
2018	107-2410-H-002 -217	規律高強度阻力訓練血流動力學分析與肌肉硬度關聯之探討	2017/08/01-2018/07/31	科技部	93.8 萬
2018	107-2314-B-010 -001	心臟血管、頸動脈、顱內血管動力學及營養素介入對大腦認知功能之影響--心臟血管脈動性血流動力學對於中年人大腦認知功能的影響(2/3)	2017/08/01-2018/07/31	科技部	146 萬
2017		建構智慧健康醫院-慢性疾病風險評估資訊平台之發展與應用評估計畫 (106-107 年)	2017-2018	衛生福利部國民健康署研究計畫書	-
2017	106-2410-H-002 -186	以血管動力學指標建立不運動心肺適能預測模式之研究	2017/08/01-2018/07/31	科技部	123.6 萬
2016	105-2410-H-010 -012 -SS2	採用健保資料庫進行風險校正之成本效益分析: 以腦中風治療為例	2016/08/01- 2018/07/31	科技部	164.6 萬
2016	105-2314-B-010 -001 -	認知功能衰退之流行病探討：心臟及腦血流動力學、短長期營養、以及微型核糖體之分子調控等機制研究--心臟脈動性血流動力學對於大腦認知功能	2016/08/01- 2018/07/31	科技部	110 萬

		的影響(2/2)			
2014	Award # 1403004	Collaborative Research: A Low-cost and Non-invasive Method for Personalized Cardiovascular Health Assessment	2014/9/1-2016/8/31	National Science Foundation (NSF) award	900 萬
2014	103-2511-S-010 -002 -MY2	探討臨床教師之臨床核心教學能力及翻轉式教學在臨床師資培育之運用與成效評估	2014/8/1-2016/7/31	科技部	162.4 萬
2013	102-2511-S-010 -003	建立一套 e 化臨床師資培育課程並評估其學習成效	2013/8/1-2014/8/31	國科會	70 萬
2011	100-2221-E-324-013 -MY2	以氣囊臂帶測量肱動脈的體積和血流量變化	2011/8/1~2013/7/31	國科會	130.1 萬
2010	99-2221-E-033-017	Development simplified methodologies in acquiring index of arteriosclerosis using non-invasive arterial pressure volume recording	2010/08/01~2011/07/31	國科會	71.8 萬
2009	V98S1-021	ECG teaching program: Establish a systemic ECG teaching program for residents and interns	2009/1/1~2009/12/31	台北榮民總醫院	-
2009		周邊血管疾病患者腦循環功能研究	2009/1/1~2009/12/31	台北榮民總醫院	-
2009	NSC 97-2517-S-010 -	實證醫學：臨床教學暨系統性	2008/12/01 ~ 2009/10/31	國科會	-

	001	評論國際研討會			
2008	97A-C-D102	產官學合作:台灣歐姆龍健康事業股份有限公司-利用脈壓振盪技術估計中央動脈收縮壓:驗證研究	2007/07/01~2008/06/30	國立陽明大學	-
2007-2010	NSC 96-2314-B-010-035 -MY1-3	利用上臂脈波容積紀錄檢查估計中央血流動力學變化	2007/08/01~2010/07/31	國科會	-
2007	96-03-07A	利用脈壓震盪技術估計中央動脈收縮壓:驗證研究	2007/07/01-2008/06/31	國立陽明大學	-
2007	C95-063	急性代償失調性心臟衰竭觀察性研究調查 Adhere Registry	2007/1/1-2007/12/31	Johnson & Johnson Family of Companies	-
2006	NSC 95-2314-B-010-029	評估已代償心臟衰竭病患之心室-動脈匹配狀態	2006/08/01~2007/07/31	國科會	-
2006	V95C1-052	收縮時間間期之臨床評估	2006/01/01~2006/12/31	台北榮民總醫院	-

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