

Table of Contents

Table of Contents.....	1
Curriculum Vitae	2
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Education:	2
Experience:	2
Licensure and Certification:	3
Academic Appointments:	4
Hospital Appointments:	4
Honors and Awards:	5
Medical Society Memberships:	6
Commissioner of Committee:	7
Editorial Board Member of Journal:	8
Referee of Journal/Thesis/Academic Promotion:	8
Consultant	10
Publications	10
Patent	39
Books or Chapters 書籍或章節著作	42
Editorial in Newspaper 報章專論	42
DExperiences in conducting research	43
Record of Serving as Principal Investigator	43
Record of Serving as co- Principal Investigator	48

May 25, 2023

Curriculum Vitae

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Date of Birth: September 13, 1975
Place of Birth: Ping-tong, Taiwan, Republic of China

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,

May 25, 2023

- 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.
- 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 (心臟專科醫師之指導醫師), Taiwan Society of Cardiology, Certificate No.101016 (101 中心專指醫字 016 號)

May 25, 2023

- 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, Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 089340
- 2011-2017 Assistant Professor, Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 助理字第 032968
- 2013-2017 Joint Appointed Assistant Professor, Institute of Public Health, National Yang-Ming University, Taipei, Taiwan
- 2015-present Deputy Director, Taiwan Joanna Briggs Institute (TJBCC)
- 2017-2021 Associate Professor, Faculty of Medicine, National Yang-Ming University, Taipei, Taiwan, Certificate No. 副字第 144197 號
- 2017-2021 Joint Appointed Associate Professor, Institute of Public Health, National Yang Ming Chiao Tung University, Taipei, Taiwan
- 2018-present Principal Investigator, Cochrane Taiwan
- 2020-2021 Joint Appointed Associate Professor, Institute of Health and Welfare Policy, National Yang Ming Chiao Tung University
- 2021-present Professor, Department of Medicine, National Yang Ming Chiao Tung University College of Medicine, Taipei, Taiwan, Certificate No. 教字第 145824 號
- 2021-present Joint Appointed Professor, Institute of Public Health, National Yang Ming Chiao Tung University, Taipei, Taiwan
- 2021-present Joint Appointed Professor, Institute of Health and Welfare Policy, National Yang Ming Chiao Tung University
- 2021-present Professor, Program of Interdisciplinary Medicine (PIM), National Yang Ming Chiao Tung University College of Medicine, Taipei, Taiwan
- 2021-present Vice Director, Cardiovascular Research Center, National Yang Ming Chiao Tung University College of Medicine, Taipei, Taiwan
- 2022-present Director, Center for Teaching and Learning Development, National Yang Ming Chiao Tung University College of Medicine, Taipei, Taiwan

Hospital Appointments:

May 25, 2023

- 2007-2017 Attending Physician, Department of Medical Education and Research, Taipei Veterans General Hospital
- 2017-2022 Director, Center for Evidence-based Medicine, Taipei Veterans General Hospital
- 2022-present Counselor, Center for Evidence-based Medicine, Taipei Veterans General Hospital
- 2022-present Director, Division of Faculty Development, Taipei Veterans General Hospital

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 1st place winner of “Best Oral Presentation Competition Award” at International Conference, Pulse of Asia 2013
- 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
- 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
- 2022 Excellence in Teaching Award, National Yang Ming Chiao Tung University
- 2022 National Innovation Award, Taiwan

Medical Society Memberships:

- 2003-present Member of Taiwan Society of Internal Medicine.
- 2003-present Member of Taiwan Society of Cardiology
- 2003-present Member of Taiwan Society of Echocardiography.
- 2003-present Member of Taiwan Society of Lipids and Atherosclerosis

May 25, 2023

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
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

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 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	Executive council member, Taiwan Evidence-Based Medicine Association
2016	Performance Evaluations Committee, Taipei Veterans General Hospital
2016-present	Associate Convenor, Hypertension Committee, Taiwan Society of Cardiology
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

May 25, 2023

	University
2018-present	Evidence-based Medicine Working Group, National Yang-Ming University
2020-present	Member of Medical Education Committee, Taiwan Society of Cardiology
2020-present	Convenor, Education Committee, Taiwan Hypertension Society
2021-present	Director, Taiwan Hypertension Society
2021-present	Chairman, Education Committee, Taiwan Hypertension Society
2021-present	Executive Director, Taiwan Society of Aldosteronism
2021-present	台中榮民總醫院心臟血管中心專家學者顧問
2021-2023	Secretary General, Taiwan Evidence Based Medicine Association
2022-present	APAC Regional Advisory Group of ISH
2022-present	Executive Director, Taiwan Hypertension Society

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
2021-present	Associate Editor: Cardiovascular Epidemiology and Prevention section of Frontiers in Cardiovascular Medicine
2023-present	Associate Editor, Acta Cardiologica Sinica
2023-present	Hypertension Research

Referee of Journal/Thesis/Academic Promotion:

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
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
2021-present	Tajen University-Academic promotion

May 25, 2023

2022-present	Clinical Epidemiology
2022-present	Ultrasound in Medicine & Biology
2022-present	British Medical Journal
2022-present	The Lancet Regional Health
2022-present	Chang Gung University of Science and Technology- Academic promotion
2022-present	National Taiwan University, Taiwan-Academic promotion
2023-present	National Defense Medical Center-Academic promotion
2023-present	Tzu Chi University-Academic promotion
2023-present	National Taipei University of Nursing and Health
2023-present	Foundation for The Advancement of Outstanding Scholarship
2023-present	Chinese University of Hong Kong-Thesis of postgraduates

Consultant

2017-present	Consultant: LEADTEK Research Inc.
2022-present	Consultant: Inovise Medical, Inc.
2022-present	Consultant: FaceHeart Inc.

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)

*: indicates first author or equal contribution to first author

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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
 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 Ting, Edward G. Lakattad, Frank C.P. Yin, 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 Charng. 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.
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May 25, 2023

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May 25, 2023

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*: 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

May 25, 2023

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 EP 12197116.2

4. **Patent Name:** 測量血管硬化指數之方法.

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

May 25, 2023

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

【英文發明名稱】

METHOD AND DEVICE FOR GENERATING EIT IMAGE USING PERIODIC BIOMEDICAL SIGNA

· 中華民國專利 I740586

11. Patent Name:

發明人: 林顯豐、王廷璋、陳文翔、朱效緯、石園達、鄭浩民

【英文發明名稱】

PULSE MONITORING DEVICE AND SYSTEM INCLUDING THE SAME TECHNICAL FIELD US (210834US)

· 專利申請中

12. Patent Name:

發明人: 陳羿愷、高甫仁、陳震寰、鄭浩民

【中文發明名稱】 主動式壓脈帶

· 中華民國專利 新型第 M617943

13. Patent Name:

【中文發明名稱】 心血管檢測系統

· 中華民國專利 新型第 M620021

14. Patent Name:

【英文發明名稱】 PULSE MONITORING DEVICE AND SYSTEM INCLUDING THE SAME JAP110039-US(210834US)

15. Patent Name:

ABPM- title: 生理狀態的風險評估系統、方法及電子裝置

台灣已取得 / 專利號: I697912

16. Patent Name:

運動心電圖 1- title: 生理狀態評估方法與生理狀態評估裝置

台灣/中國/美國審查中 / 台灣申請號 109132117

17. Patent Name:

運動心電圖 2- title: 疾病分類方法及疾病分類裝置

台灣已取得 / 專利號: I740647 / 中國,美國,歐洲審查中

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(2018);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);麥格羅希爾
7. Role of Arterial Stiffness and Central Hemodynamics in Personalized medicine in hypertension. In: Chen-Huan C, Hao-Min C, Shih-Hsien S, Chuang S-Y, eds. Textbook of Arterial Stiffness and Pulsatile Hemodynamics in Health and Disease.

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

DExperiences 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)
2023	VTA111-A-1-2	病人候診語音互動系統及語音識別問診筆記之建置及可行性與效益評估 (第二年)	2023/01/01-2023/12/31(執行中)	榮總三總國防與中研院合作計畫	70.6 萬
2023	VN112-01	侵入性與非侵入性心肺功能運動測試應用於不明原因呼吸困難患者, 第三年	2023/01/01-2023/12/31(執行中)	榮總台大計畫	87.5 萬
2023	V112C-089	使用全蛋白質體分析找出血管早期老化之關鍵蛋白-第一年	2023/01/01-2023/12/31(執行中)	臺北榮民總醫院	63.2 萬
2022	T2200902	應用人工智慧及心血管資料庫發展複雜性心血管疾病精準診療模式子計畫二: 建立臨床數據共享安全性與可及性實施方案	2022/12/15-2025/12/14(執行中)	臺北榮民總醫院與台灣飛利浦股份有限公司	300 萬
2022	T2200901	應用人工智慧及心血管資料庫發展複雜性心血管疾病精準診療模式子計畫一: AI輔助新一代經導管主動脈瓣膜置換術的手術規劃	2022/12/15-2024/04/14(執行中)	臺北榮民總醫院與台灣飛利浦股份有限公司	80 萬
2022	AS-HLGC-111-06	新世代的血流動力學監測系統以評估血管老化 - 考慮脈波能量因素	2022/07/01-2023/06/30(執行中)	中央研究院	149.9 萬

2022	MOST 111-2314-B-A49-084-	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一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(3/3)	2022/08/01-2023/07/31(執行中)	科技部	110 萬
2022	MOST 111-2410-H-A49-075-	應用智慧病歷系統於創新醫學教育的成效：對照觀察量性研究與質性評估	2022/08/01-2023/07/31(執行中)	科技部	90.4 萬
2022	MOHW 111-HPA-H-113-000101	居家血壓個案管理服務模式開發計畫	2022/04/01-2022/12/31	衛生福利部國民健康署	119.5 萬
2022	V111C-096	積極控制血壓對於行動血壓參數之影響	2022/01/01-2022/12/31	臺北榮民總醫院	61.5 萬
2022	VTA111-A-2-2	病人候診語音互動系統及語音識別問診筆記之建置及可行性與效益評估	2022/01/01-2022/12/31	榮總三總國防與中研院合作計畫	94.8 萬
2022	VN111-14	侵入性與非侵入性心肺功能運動測試應用於不明原因呼吸困難患者，第二年	2022/01/01-2022/12/31	榮總台大計畫	55 萬
2021	V110C-049	隱匿性高血壓和白袍高血壓之血流動力學相關因素	2021-01-01-2021-12-31	臺北榮民總醫院	77.9 萬
2021	V110EA-005	教學訓練 專案計畫 子計畫-5	2021-01-01-2021-12-31	臺北榮民總醫院	232 萬
2021	VN110-08	侵入性與非侵入性心肺功能運動測試應用於不明原因呼吸困難患者	2021-01-01-2021-12-31	榮總台大計畫	65 萬
2021	VTA110-A-2-2	建置心導管手術之語音助理系統：與手術暨報告系統之整合之可行性與效益評	2021-01-01-2021-12-31	榮總三總中研院計畫	107 萬

		估			
2021	MOST 110-2314-B-A49A-546-	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(2/3)	2021/08/01-2022/07/31	科技部	110 萬
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)	2020/8/1-2021/7/31	科技部	110 萬
2020	V109EA-005	教學訓練 專案計畫 子計畫-5	2020/01/01-2020/12/31	臺北榮民總醫院	232 萬
2020	V109C-067	使用不同測量血壓方式對於血壓控制之影響-隨機對照研究 (第二年)	2020/01/01-2020/12/31	臺北榮民總醫院	58.5 萬
2020	V109E-001-1	實證臨床教學及師資培育計畫	2020/01/01-2020/12/31	臺北榮民總醫院	62.8 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	宏基-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 Using Different Blood Pressure Monitoring Strategies (GYMNs study)	2019/01/01-2019/12/31	臺北榮民總醫院	82 萬
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 (86 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	2017/1/1-2017/12/31	臺北榮民總醫院	48.7 萬

		竭病人之預後--第二年計畫			
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（第三年）	2016/1/1-2016/12/31	台大榮總	86 萬
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-	Comparison of core clerkship programs in internal medicine and surgery at an	2013/8/1-2014/7/31	國科會	68.7 萬

	002	oncology hospital and a tertiary general hospital			
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：驗証研究-百略醫學科技股份有限公司	2010/01/01~2012/12/31	國立陽明大學	100 萬
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
2022	MOST 111-2410-H-075-004-MY2	培育數位及後疫情時代的臨床教師：臨床教師應用數位科技教學之能力探索、勝任	2022/08/01-2024/07/31(執行中)	科技部	194.5 萬

		能力框架發展及教學能力培育			
2022	MOST 111-2634-F-A49-014-	邁向 2030 年智慧醫療大健康跨域計畫(2/2)	2022/11/01-2023/10/31(執行中)	科技部	4,320 萬
2022	MOST 111-2314-B-A49-084-	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--透過不同血管老化型態研究系統性大小血管之交互作用對於大腦年齡、結構與認知功能及心臟結構與功能的影響(3/3)	2022/08/01-2023/07/31(執行中)	科技部	130 萬
2022	MOST 111-2622-8-075-002-IE	智慧醫療產學聯盟-北科生醫健康園區:智慧醫療產業聯盟合作計畫(1/4)	2022/06/01-2023/05/31(執行中)	科技部	884 萬
2022	MOST 111-2321-B-075-004-	應用 P4 醫療模式進行心血管老化個案之高風險特徵的預測及處理(2/4)	2022/05/01-2023/04/30(執行中)	科技部	1,009 萬
2021	MOST 110-2634-F-A49-005-	邁向 2030 年智慧醫療大健康跨域計畫(1/2)	2021/11/01-2023/01/31(執行中)	科技部	4789.7 萬
2021	MOST 110-2314-B-A49A-545-	透過早期或是超乎正常的血管老化過程發現血管老化及	2021/08/01-2022/07/31	科技部	130 萬

		認知功能障礙的保護機轉--透過不同血管老化型態研究系統性大小血管之交互作用對於大腦年齡、結構與認知功能及心臟結構與功能的影響 (2/3)			
2021	MOST 110-2321-B-075-002-	應用 P4 醫療模式進行心血管老化個案之高風險特徵的預測及處理(1/4)	2021/05/01-2022/04/30	科技部 (單一整合型計畫： 主持人：許惠恒院長)	1,000 萬
2021	110VACS-007	榮民醫療體系新興傳染性疾病防疫研究平台計畫	2021/01/01-2021/12/31	臺北榮民總醫院	1,700 萬
2021	V110C-081	以勝任力為基礎的住院醫師教師培育：實體及網路課程之比較 (第二年計劃)	2021/01/01-2021/12/31	臺北榮民總醫院	77.9 萬
2021	V109E-003-1	病歷產生器雛型建置計畫(第二年)(110)	2021/01/01-2021/04/30	臺北榮民總醫院	18.5 萬
2021	V109E-003-2	醫療決策輔助模組創建流程開發與推廣計畫(第二年)(110)	2021/01/01-2021/04/30	臺北榮民總醫院	13.2 萬
2021	V109E-003-3	病歷解析編碼暨申報優化計畫(第二年)(110)	2021/01/01-2021/04/30	臺北榮民總醫院	6.2 萬
2021	V109E-008-1(110)	應用人工智慧建立自體免疫	2021/01/01-2021/09/27	臺北榮民總醫院	45.4 萬

		性疾病病患合併肺動脈高壓 或心臟衰竭之臨床診療決策 輔助系統			
2020	V109E-008-1(109)	應用人工智慧建立自體免疫 性疾病病患合併肺動脈高壓 或心臟衰竭之臨床診療決策 輔助系統	2020/09/28-2020/12/31	臺北榮民總醫院	34.6 萬
2020	MOST 109-2314-B-038- 145-	不同性別與血行動力學在腸 道菌相組成之差異性研究	2020/10/01-2022/05/31	科技部	100 萬
2020	V108E-003-1(109)	病歷產生器雛型建置計畫	2020/01/01-2020/03/19	臺北榮民總醫院	21.8 萬
2020	V108E-003-2(109)	醫療決策輔助模組創建流程 開發與推廣計畫	2020/01/01-2020/03/19	臺北榮民總醫院	21.8 萬
2020	V108E-003-3(109)	病歷解析編碼暨申報優化計 畫	2020/01/01-2020/03/19	臺北榮民總醫院	9.2 萬
2020	MOST 109-2314-B-010- 060-	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－ 透過不同血管老化型態研究 系統性大小血管之交互作用 對於大腦年齡、結構與認知 功能及心臟結構與功能的影 響(1/3)	2020/08/01-2021/07/31	科技部	130 萬

2019	V108E-003-1(108)	病歷產生器雛型建置計畫	2019/03/20-2019/12/31	臺北榮民總醫院	73.2 萬
2019	V108E-003-2(108)	醫療決策輔助模組創建流程 開發與推廣計畫	2019/03/20-2019/12/31	臺北榮民總醫院	73.2 萬
2019	V108E-003-3(108)	病歷解析編碼暨申報優化計 畫	2019/03/20-2019/12/31	臺北榮民總醫院	30.8 萬
2019	MOST 108-2410-H-002- 193-MY2	高強度阻力訓練對中心動脈 壓與血流動力學反應之影響: 超快超音波分析之應用	2019/08/01-2022/01/31	科技部	192.9 萬
2019	MOST 108-2314-B010- 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(3/3)	2019/08/01-2020/07/31	科技部	146 萬
2018	MOST 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	2017-2018	衛生福利部國民	-

		風險評估資訊平台之發展與應用評估計畫 (106-107年)		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的影響(2/2)	2016/08/01- 2018/07/31	科技部	110 萬
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 -001	實證醫學: 臨床教學暨系統性評論國際研討會	2008/12/01 ~ 2009/10/31	國科會	-
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	-