

CURRICULUM VITAE

Shao-Yuan Chuang

莊紹源

Division of Preventive medicine and Health Care Research
Institute of Population Health Sciences
National Health and Research Institutes
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Zhunan Town 35053 Miaoli County
Taiwan, R.O.C.

EDUCATION

- 2000-2006 Ph.D. in Epidemiology, College of Medicine, National Yang-Ming University, Taipei, Taiwan
- 1998-2000 M.S. in Biostatistics and Epidemiology, College of Medicine, National Yang-Ming University, Taipei, Taiwan
- 1994-1998 B.S. in Public Health, College of medicine, Fu-Jen University, Taipei, Taiwan

Work experience

- 2016.1– current **Associate Investigator** at Institute of Population Health Sciences, National Health Research Institutes. Miaoli, Taiwan
- 2018-Current adjusted **adjunct Associated professor** at Institute of Public Health, National Yang-Ming Chiao Tung University
- 2011.2 – 2015.12 **Assistant Investigator** at Institute of Population Health Sciences, National Health Research Institutes. Miaoli, Taiwan
- 2006.10 – 2011.1 **Postural Dr. Fellow** at Wen-Harn Pan's Lab in Institute of Biomedical Sciences, Academic Sinica, Taipei, Taiwan.

Study interesting

- Cardiovascular epidemiology
- Obesity and metabolic syndrome
- Hemodynamics and cognitive function

Award

- 2014 Taiwan Society of Lipids & Atherosclerosis, Best Abstract Award Winner
- 2011 8th Asian-Pacific Congress of Hypertension (APCH) 2011 Young Investigator Award
- 2009 Chinese Medical Association-Taipei 盧致德研究獎, Taipei, Taiwan, R.O.C.
- 2002 MJ Preventive Medicine Research Award, Taipei, Taiwan
- 2022 National Health Research institutes (NHRI) Young Scientist Award (111), Taiwan

Members

- Member of American Heart Association for Council on Epidemiology & Prevention
- Member of Taiwan Society of Lipids & Atherosclerosis
- Member of Taiwan Public Health Association
- Member of editorial board of American Journal of Hypertension (2021-2023)

Selected publications (from 2011, first or corresponding authors)

1. Chuang SY*, Liu WL, Chang HY, Hsu CC, Pan WH. Central obesity and elevated blood pressure in middle life are associated with physical and cognitive impairment in later life: A retrospective design with repeated measures. *Exp Gerontol.* 2023 Mar;173:112093.
 2. **Chuang SY**, Cheng HM, Chang WL, Yeh WY, Huang CJ, Chen CH*. 130/80 mmHg as a unifying hypertension threshold for office brachial, office central, and ambulatory daytime brachial blood pressure. *J Clin Hypertens (Greenwich).* 2023 Mar;25(3):266-274.
 3. Cheng HM, **Chuang SY***, Ko YT, Liao CF, Pan WH, Liu WL, Hung CY, Chen CH*. Education level may modify the association between cardiac index and cognitive function among elders with normal ejection function. *Front Cardiovasc Med.* 2022 Sep 12;9:844396.
 4. Hsieh MY, Cheng CH, Chen CH, Liao MT, Lin CC, Yang TF, **Chuang SY***, Wu CC*. The association of long-term blood pressure variability with hemodialysis access thrombosis. *Front Cardiovasc Med.* 2022 Aug 4;9:881454.
 5. Lin TY, Liao SH, Lai CC, Paci E, **Chuang SY.*** Effectiveness of non-pharmaceutical interventions and vaccine for containing the spread of COVID-19: Three illustrations before and after vaccination periods. *J Formos Med Assoc.* 2021 May 25;120:S46-56.
 6. **Chuang SY***, Chang HY, Fang HL, Lee SC, Hsu YY, Yeh WT, Liu WL, Pan WH*. The Healthy Taiwanese Eating Approach is inversely associated with all-cause and cause-specific mortality: A prospective study on the Nutrition and Health Survey in Taiwan, 1993-1996. *PLoS One.* 2021;16(5):e0251189.
 7. **Chuang SY***, Chang HY, Tsai TY, Cheng HM, Pan WH, Chen CH*. Isolated systolic hypertension and central blood pressure: Implications from the national nutrition and health survey in Taiwan. *J Clin Hypertens (Greenwich).* 2021;23(3):656-664.
 8. **Chuang SY**, Wang PN, Chen LK, Chou KH, Chung CP, Chen CH, Mitchell GF, Pan WH, Cheng HM. Associations of Blood Pressure and Carotid Flow Velocity with Brain Volume and Cerebral Small Vessel Disease in a Community-Based Population. *Transl Stroke Res.* 2021;12(2):248-258
 9. **Chuang SY**, Chang HY, Cheng HM, Pan WH, Chen CH. Impacts of the New 2017 ACC/AHA Hypertension Guideline on the Prevalence of Brachial Hypertension and Its Concordance with Central Hypertension. *Am J Hypertens.* 2019 16;32(4):409-417.
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- 10 Sung SH, **Chuang SY***, Liu WL, Cheng HM, Hsu PF, Pan WH. Hyperuricemia and pulse pressure are predictive of incident heart failure in an elderly population. **Int J Cardiol.** 2020;300:178-183.
 - 11 Cheng HM, **Chuang SY***. More Precise and Unbiased Blood Pressure Measures: Automatic Office Blood Pressure. **Am J Hypertens.** 2020 Jan 1;33(1):19-20.
 - 12 **Chuang SY**, Lo YL, Wu SY, Wang PN, PAN WH. Dietary patterns and foods associated with cognitive function in Taiwanese elderly: The cross-sectional and longitudinal studies. **J Am Med Dir Assoc.** 2019;20(5):544-550.e4.
 - 13 Tsai CC, Hsieh IC, Jenge C, Ho LH, Chu PH, **Chuang SY***. A decline in the prevalence of angina pectoris: data from the Nutrition and Health Survey in Taiwan. **Int J Cardiol.** 2019 Apr 1;280:1-7.
 - 14 **Chuang SY**, Chang HY, Cheng HM, Pan WH, Chen CH. Impacts of the New 2017 ACC/AHA Hypertension Guideline on the Prevalence of Brachial Hypertension and Its Concordance with Central Hypertension. **Am J Hypertens.** 2019;16;32(4):409-417.
 - 15 **Chuang SY**, Cheng HM, Mitchell GF, Sung SH, Chen CH, Pan WH, Hwang AC, Chen LK, Wang PN. Carotid Flow Velocities and Blood Pressures Are Independently Associated With Cognitive Function. **Am J Hypertens.** 2019;32(3):289-297.
 - 16 **Chuang SY**, Hsu PF, Lin FJ, Huang YW, Wang GZ, Chang WC, Tsai HJ. Association between nonsteroidal anti-inflammatory drugs and atrial fibrillation among a middle-aged population: a nationwide population-based cohort. **Br J Clin Pharmacol.** 2018;84(6):1290-1300.
 - 17 **Chuang SY**, Chang HY, Cheng HM, Pan WH, Chen CH. Prevalence of Hypertension Defined by Central Blood Pressure Measured Using a Type II Device in a Nationally Representative Cohort. **Am J Hypertens.** 2018;31(3):346-354.
 - 18 Hsu PF, Pan WH, Yip BS, Chen RC, Cheng HM, **Chuang SY***. C-Reactive Protein Predicts Incidence of Dementia in an Elderly Asian Community Cohort. **J Am Med Dir Assoc.** 2017;18(3):277.e7-277.e11.
 - 19 **Chuang SY**, Cheng HM, Bai CH, Yeh WT, Chen JR, Pan WH. Blood Pressure, Carotid Flow Pulsatility, and the Risk of Stroke: A Community-Based Study. **Stroke.** 2016 Sep;47(9):2262-8.
 - 20 **Chuang SY**, Chiu TH, Lee CY, Liu TT, Tsao CK, Hsiung CA, Chiu YF. Vegetarian diet reduces the risk of hypertension independent of abdominal obesity and inflammation: a prospective study. **J Hypertens.** 2016 Nov;34(11):2164-71.
 - 21 Cheng HM, **Chuang SY(Co-first)**, Wang JJ, Shih YT, Wang HN, Huang CJ, Huang JT, Sung SH, Lakatta EG, Yin FC, Chou P, Yeh CJ, Bai CH, Pan WH, Chen CH. Prognostic significance of mechanical biomarkers derived from pulse wave analysis for predicting long-term cardiovascular mortality in two population-based cohorts. **Int J Cardiol.** 2016 Jul 15;215:388-95.
 - 22 **Chuang SY**, Pan WH, Chang HY, Wu CI, Chen CY, Hsu CC. Protective Effect of Calcium Channel Blockers Against Frailty in Older Adults with Hypertension. **J Am Geriatr Soc.** 2016 Jun;64(6):1356-8.
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- 23 **Chuang SY**, Hsu YY, Chen RC, Liu WL, Pan WH. Abdominal Obesity and Low Skeletal Muscle Mass Jointly Predict Total Mortality and Cardiovascular Mortality in an Elderly Asian Population. **J Gerontol A Biol Sci Med Sci**. 2016 Aug;71(8):1049-55.
 - 24 **Chuang SY**, Yu Yunxian, Sheu Wayne HH, Tsai YT, Liu Xin, Hsiung Chao A., Tsai HJ . Association of Short Term Use of Nonsteroidal Anti Inflammatory Drugs With Stroke in Patients With Hypertension . **Stroke**. 2015;46(4):996 1003.
 - 25 **Chuang SY**, Bai CH, Cheng HM, Chen JR, Yeh WT, Hsu PF, Liu WL, PAN WH. Common carotid artery End diastolic velocity is independently associated with future cardiovascular events. **Eur J Prev Cardiol**. 2016;23(2):116-24
 - 26 Yeh JS, Cheng HM, Hsu PF, Sung SH, Liu WL, Fang HL, **Chuang SY***. Synergistic effect of gestational hypertension and postpartum incident hypertension on cardiovascular health: a nationwide population study. **J Am Heart Assoc**. 2014 Nov 11;3(6):e001008.
 - 27 **Chuang SY**, Wu CC, Hsu PF, Chia Yu Chen R, Liu WL, Hsu YY, Pan WH. Hyperuricemia and incident atrial fibrillation in a normotensive elderly population in Taiwan. **Nutr Metab Cardiovasc Dis**. 2014 Sep;24(9):1020-6.
 - 28 **Chuang SY**, Chang HY, Lee MS, Chia Yu Chen R, Pan WH. Skeletal muscle mass and risk of death in an elderly population. **Nutr Metab Cardiovasc Dis**. 2014 Jul;24(7):784 91.
 - 29 Cheng HM, **Chuang SY**(co-first author), Sung SH, Yu WC, Pearson A, Lakatta EG, Pan WH, Chen CH. Derivation and validation of diagnostic thresholds for central blood pressure measurements based on long term cardiovascular risks. **J Am Coll Cardiol**. 2013 Nov 5;62(19):1780-7.
 - 30 Yeh JS, Cheng HM, Hsu PF, Sung SH, Liu WL, Fang HL, **Chuang SY***. Hysterectomy in young women associates with higher risk of stroke: a nationwide cohort study. **Int J Cardiol**. 2013;168(3):2616-21.
 - 31 **Chuang SY**, Hsu PF, Cha ng HY, Bai CH, Yeh WT, Pan HW. C reactive protein predicts systolic blood pressure and pulse pressure but not diastolic blood pressure: the Cardiovascular Disease Risk Factors Two Township Study. **Am J Hypertens**. 2013 May;26(5):657 64.
 - 32 Hsu PF, Sung SH, Cheng HM, Yeh JS, Liu WL, Chan WL, Chen CH, Chou P, **Chuang SY*** (corresponding author). Association of clinical symptomatic hypoglycemia with cardiovascular events and total mortality in type 2 diabetes: a nationwide population based study. **Diabetes Care**. 2013 Apr;36(4):894-900.
 - 33 **Chuang SY** , Chen JH, Yeh WT, Wu CC, Pan WH. H yperuricemia and increased risk of ischemic heart disease in a large Chinese cohort. **Int J Cardiol**. 2012 Feb 9;154(3):316 21.
 - 34 **Chuang SY**, Bai CH, Chen Yeh WT, Chen HJ, Chiu HC, Shiu RS, Pan WH. Common carotid end diastolic velocity and intima media thickness jointly predict ischemic stroke in Taiwan. **Stroke**. 2011 May;42(5):1338-44.
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- 35 **Chuang SY**, Lee SC , Hsieh YT, Pan WH. Trends in hyperuricemia and gout prevalence: Nutrition and Health Survey in Taiwan from 1993 1996 to 2005 2008. **Asia Pac J Clin Nutr** 2011 Janu;20 (2):301-308.
- 36 **Chuang SY**, Yeh WT, Wu YL, Chang HY, Pan WH, Tsao CK. Prediction equations and point system derived from large--scale health checkup data for estimating diabetic risk in the Chinese population of Taiwan. **Diabetes Res Clin Pract.** 2011 Apr;92(1):128 36.
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