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PhD**

Associate Investigator

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Education

- 1998
B.S. in Public Health,
Fu-Jen-Catholic University, Taiwan
- 2000
M.A. in Public Health (Biostatistics & Epidemiology),
National Yang-Ming University, Taiwan.
- 2006
Ph.D. in Public Health (CardioVascular Epidemiology),
National Yang-Ming University, Taiwan.

Professional Experiences

- 2016/01-present
Institute of Population Health Sciences, National Health Research
Institutes, Taiwan
Associate Investigator
- 2011/1-2016/12
Institute of Population Health Sciences, National Health Research
Institutes, Taiwan
Assistant Investigator
- 2006/10-2011/1
Institute of BioMedical Sciences, Academic Sinica, Taiwan
Post Doctor fellow

Research Interests

Cardiovascular Epidemiology, Metabolic Syndrome, Hypertension and Hemodynamics.

Research Activities & Accomplishment

Over 65 SCI papers (since February 1st 2011)

National Health Research Institutes-Institutional Repository:

<http://211.76.174.198/handle/3990099045/5381>

Selected Publications

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 Mar 1;18(3):277.e7-277.e11.
(*:Corresponding author)

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.

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.

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.

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.

Cheng HM†, **Chuang SY†**, 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. (**†: Co-first Author**)

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 Jan;23(2):116-24.

Chuang SY, Yu Y, Sheu WH, Tsai YT, Liu X, Hsiung CA, Tsai HJ. "Association of short-term use of nonsteroidal anti-inflammatory drugs with stroke in patients with hypertension". *Stroke*. 2015 Apr;46(4):996-1003.

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. (***:Corresponding author**)

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.

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.

Cheng HM, **Chuang SY†**, 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 (**†: Co-first Author**)

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 Oct 3;168(3):2616-21. (***:Corresponding author**)

Chuang SY, Hsu PF, Chang 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.

Hsu PF, Sung SH, Cheng HM, Yeh JS, Liu WL, Chan WL, Chen CH, Chou P, **Chuang SY***. "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. (*:Corresponding author)

Chuang SY, Chen JH, Yeh WT, Wu CC, Pan WH. "Hyperuricemia and increased risk of ischemic heart disease in a large Chinese cohort". Int J Cardiol. 2012 Feb 9;154(3):316-21.

Chuang SY, Bai CH, Chen JR, 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.

Chuang SY, Yeh WT, Wu YL, Chang HY, Pan WH, Tsao CK. "Prediction equations and point system derived from large-scale health check-up data for estimating diabetic risk in the Chinese population of Taiwan. Diabetes Res Clin Pract". 2011 Apr;92(1):128-36.

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;20(2):301-8.

Chuang SY, Hsu PF, Sung SH, Chou P, Chen CH. "Diabetes and 15-year cardiovascular mortality in a Chinese population: Differential impact of hypertension and metabolic syndrome". J Chin Med Assoc. 2010 May;73(5):234-40

Chuang SY, Bai CH, Chen WH, Lien LM, Pan WH. "Fibrinogen independently predicts the development of ischemic stroke in a Taiwanese population: CVDFACTS study". Stroke. 2009 May;40(5):1578-84

Chuang SY, Pan WH. "Predictability and implications of anthropometric indices for metabolic abnormalities in children: nutrition and health survey in Taiwan elementary children, 2001-2002". Asia Pac J Clin Nutr. 2009;18(2):272-9.

Chuang SY, Chou P, Hsu PF, Cheng HM, Tsai ST, Lin IF, Chen CH. "Presence and progression of abdominal obesity are predictors of future high blood pressure and hypertension". Am J Hypertens. 2006 Aug;19(8):788-95.

Chuang SY, Chen CH, Cheng CM, Chou P. "Combined use of brachial-ankle pulse wave velocity and ankle-brachial index for fast assessment of arteriosclerosis and atherosclerosis in a community". Int J Cardiol. 2005 Jan;98(1):99-105.

Patent

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