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MAJOR RESEARCH INTERESTS

As an epidemiologist, I am interested in the roles of genes, diet and lifestyle factors in the epidemiology of cancer and other chronic diseases such as diabetes mellitus, cardiovascular disease, osteoporosis and ageing outcomes. Being medically qualified and having had PhD training in experimental research and postdoctoral training in epidemiology, I seek to integrate biology, medicine and epidemiology in studies of chronic diseases common among adults in Singapore. My research incorporates my knowledge in clinical medicine and training in laboratory science with epidemiologic methods to unravel putative mechanistic pathways in disease etiology. Beyond establishing associations, I hope to use molecular and genetic tools to understand the underlying mechanisms of these factors in pathogenesis of disease, and thus generate knowledge which can lead to the identification of modifiable factors (such as lifestyle factors) that could be applicable to disease prevention, or the identification of non-modifiable risk factors (such as genetic mutations) or risk biomarkers that could be developed for early detection or screening of disease.

SELECTED PUBLICATIONS

Selected publications out of total of 197 Pubmed listed publications as of 14 October 2016:

1. Lew QJ, Jafar TH, Koh HW, Jin A, Chow KY, Yuan JM, **Koh WP** 2016 Red Meat Intake and Risk of ESRD. *Journal of the American Society of Nephrology : JASN (Epub)*. *Impact factor: 9.34*
2. Teng GG, Pan A, Yuan JM, **Koh WP** 2015 Food Sources of Protein and Risk of Incident Gout in the Singapore Chinese Health Study. *Arthritis Rheumatol* **67**(7):1933-1942. *Impact factor: 7.764*
3. Tan LC, Methawasini K, Tan EK, Tan JH, Au WL, Yuan JM, **Koh WP** 2015 Dietary cholesterol, fats and risk of Parkinson's disease in the Singapore Chinese Health Study. *J Neurol Neurosurg Psychiatry*. *Impact factor: 6.807*
4. Pan A, Teng GG, Yuan JM, **Koh WP** 2015 Bidirectional Association between Self-Reported Hypertension and Gout: The Singapore Chinese Health Study. *PLoS One* **10**(10):e0141749. *Impact factor: 3.234*
5. Odegaard AO, **Koh WP**, Yuan JM, Pereira MA 2015 Beverage habits and mortality in Chinese adults. *J Nutr* **145**(3):595-604. *Impact factor: 3.900*
6. Leung YY, Allen JC, Jr., Noviani M, Ang LW, Wang R, Yuan JM, **Koh WP** 2015 Association between body mass index and risk of total knee replacement, the Singapore Chinese Health Study. *Osteoarthritis Cartilage* **23**(1):41-47. *Impact factor: 4.663*
7. **Koh WP**, Dan YY, Goh GB, Jin A, Wang R, Yuan JM 2015 Dietary fatty acids and risk of hepatocellular carcinoma in the Singapore Chinese health study. *Liver Int*. *Impact factor: 4.850*
8. Koh AS, Pan A, Wang R, Odegaard AO, Pereira MA, Yuan JM, **Koh WP** 2015 The association between dietary omega-3 fatty acids and cardiovascular death: the Singapore Chinese Health Study. *Eur J Prev Cardiol* **22**(3):364-372. *Impact factor: 3.319*
9. Dai Z, Wang R, Ang LW, Yuan JM, **Koh WP** 2015 Bone turnover biomarkers and risk of osteoporotic hip fracture in an Asian population. *Bone*. *Impact factor: 3.973*
10. Dai Z, Ang LW, Yuan JM, **Koh WP** 2015 Association between change in body weight after midlife and risk of hip fracture-the Singapore Chinese Health Study. *Osteoporos Int* **26**(7):1939-1947. *Impact factor: 4.169*