

**Michael, Tin-cheung YING  
(Professor)**



**QUALIFICATIONS:** Doctor of Philosophy (PolyU, 2002)  
Master of Philosophy (PolyU, 1996)  
Professional Diploma in Diagnostic Radiography (HK Poly, 1993)  
Fellow of Hong Kong College of Radiographers and Radiation Therapists (2008)

**BRIEF OUTLINE OF EXPERIENCE AND POSTS HELD:**

2017 – now Associate Head, Department of Health Technology and Informatics, The Hong Kong Polytechnic University

2020 – now Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University

2008 – 2020 Associate Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University

2005 – 2008 Assistant Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University

1999 – 2005 Assistant Professor, Department of Optometry and Radiography, The Hong Kong Polytechnic University

1997 – 1999 Assistant Professor II, Department of Optometry and Radiography, The Hong Kong Polytechnic University

1995 – 1997 Radiographer, Department of Diagnostic Radiology and Organ Imaging, The Prince of Wales Hospital

**RESEARCH INTERESTS:**

Ultrasound imaging diagnosis and monitoring of lymph node diseases, thyroid cancer and carotid atherosclerosis

**SERVICES TO PROFESSIONAL & SCIENTIFIC BODIES, CONSULTANCIES:**

- Member of the Advisory Editorial Board, *Ultrasound in Medicine and Biology*, the official Journal of the World Federation for Ultrasound in Medicine and Biology. (2017 – now)
- Member of the Editorial Board, *International Journal of Radiology & Medical Imaging* (2015 – now)
- Member of the Editorial Board, *Radiography*, the official journal of the Society and College of Radiographers (2015 – now)
- Member of the Editorial Board, *Journal of Medical Radiation Sciences*, the official journal of the Australian Institute of Radiography and the New Zealand Institute of Medical Radiation Technology (2013 – now)
- Member of the Editorial Advisory Board, *Journal of Ultrasound in Medicine*, the official journal of the American Institute of Ultrasound in Medicine (2009 – now)
- Member of the Board Examination Committee, Radiographers Board, Hong Kong (2016 - now)
- Member of the Board Education Committee, Radiographers Board, Hong Kong (2016 – now)
- Vice President and Founding Fellow, The Hong Kong College of Radiographers and Radiation Therapists (2008 – now)

**AWARDS AND PATENTS:**

- Best Abstract Award (Sonography). The 19th ISRRT World Congress, Seoul, South Korea, 20-22 October (2016).
- Best Poster Award: Silver Award. Joint Congress of Medical Ultrasound in Seoul, 11-13 May (2012).
- Outstanding Professional Services and Innovation Award (Certificate of Merit) for Multi-departmental Participation, PolyU Technology Consultancy & Technology Co Ltd and The Hong Kong Polytechnic University (2008) [Project Leader: M Ying].

**REPRESENTATIVE PUBLICATIONS (JOURNAL ARTICLES, BOOK CHAPTERS, MONOGRAPHS AND CONFERENCE PAPERS; TOTAL >200):**

- C Cheung, M Khaw, V Tam, **M Ying**, S Lee. Performance evaluation of a portable bioimpedance cardiac output monitor for measuring haemodynamic changes in athletes during a head-up tilt test. *Journal of Applied Physiology* 128(5):1146-1152, 2020.
- M Huang, T Miller, **M Ying**, M Pang. Whole-body vibration modulates leg muscle reflex and blood perfusion among people with chronic stroke: a randomized controlled crossover trial. *Scientific Reports* 10(1): 1473, 30 Jan 2020.

- M Ho, PH Chau, EYT Yu, MTC Ying, CLK Lam. Community-based weight loss programme targeting overweight Chinese adults with pre-diabetes: study protocol of a randomised controlled trial. *BMJ Open* 10: e035196, 2020
- N Chambara, **M Ying**. The diagnostic efficiency of ultrasound computer-aided diagnosis in differentiating thyroid nodules: a systematic review and narrative synthesis. *Cancers* 11(11): 1759, p1-22, 2019.
- SCH Cheng, AT Ahuja, **M Ying**. Quantification of intranodal vascularity by computer pixel-counting method enhances the accuracy of ultrasound in distinguishing metastatic and tuberculous cervical lymph nodes. *Quantitative Imaging in Medicine and Surgery* 9(11): 1773-1780, 2019.
- FN Baig, SYW Liu, SP Yip, HKW Law, **M Ying**. Update of ultrasound diagnosis for thyroid cancer. *Hong Kong Journal of Radiology* 21(2): 82-93, 2018 (Invited Article).
- FN Baig, SYW Liu, HC Lam, SP Yip, HKW Law, **M Ying**. Shear wave elastography combining with conventional grey scale ultrasound improves the diagnostic accuracy in differentiating benign and malignant thyroid nodules. *Applied Sciences* 7(11): 1103, 2017.
- FN Baig, JTJ van Lunenburg, SYW Liu, SP Yip, HKW Law, **M Ying**. Computer-aided assessment of regional vascularity of thyroid nodules for prediction of malignancy. *Scientific Reports* 7, Article number: 14350, 2017.
- C Yuan, VWC Wu, SP Yip, DLW Kwong, **M Ying**. Ultrasound evaluation of carotid atherosclerosis in post-radiotherapy nasopharyngeal carcinoma patients, type 2 diabetics and healthy controls. *Ultraschall in der Medizin / European Journal of Ultrasound* 38(2): 190-197, 2017.
- C Yuan, J Wang, **M Ying**. Predictive value of carotid distensibility coefficient for cardiovascular diseases and all-cause mortality: a meta-analysis. *PLoS One* 11(4): e0152799, 2016.
- **M Ying**, SCH Cheng, AT Ahuja Diagnostic accuracy of computer-aided assessment of intranodal vascularity in distinguishing different causes of cervical lymphadenopathy. *Ultrasound in Medicine and Biology* 42(8): 2010-2016, 2016
- J Lam, **M Ying**, SY Cheung, KH Yeung, PH Yu, HC Cheng, AT Ahuja. A comparison of the diagnostic accuracy and reliability of subjective grading and computer-aided assessment of intranodal vascularity in differentiating metastatic and reactive cervical lymphadenopathy. *Ultraschall in der Medizin / European Journal of Ultrasound* 37(1): 63-67, 2016 (**Featured on Journal Cover**).
- SCH Cheng, VWC Wu, DLW Kwong, CY Lu, ACK Cheng, BCW Kot, **M Ying**. Sonographic appearance of thyroid glands in patients treated with intensity-modulated radiotherapy or conventional radiotherapy for nasopharyngeal carcinoma. *Journal of Clinical Ultrasound* 43(4): 210-223, 2015.
- C Yuan, SP Yip, VWC Wu, DLW Kwong, IWY Cheuk, **M Ying**. Association between genetic polymorphisms and carotid atherosclerosis in patients treated with radiotherapy for nasopharyngeal carcinoma. *Radiation Oncology* 10: 39, 2015.

- C Yuan, VWC Wu, SP Yip, DLW Kwong, **M Ying**. Predictors of the extent of carotid atherosclerosis in patients treated with radiotherapy for nasopharyngeal carcinoma. *PLoS One* 9 (12): e116284, 2014.
- C Yuan, CWK Lai, LWC Chan, M Chow, HKW Law, **M Ying**. The effect of diabetes self-management education on body weight, glycemic control and other metabolic markers in patients with type 2 diabetes mellitus. *Journal of Diabetes Research (formerly titled Experimental Diabetes Research)* 2014: Article ID 789761, 1-6.
- C Yuan, CWK Lai, LWC Chan, M Chow, HKW Law, **M Ying**. Cumulative effects of hypertension, dyslipidemia and chronic kidney disease to carotid atherosclerosis in Chinese patients with type 2 diabetes mellitus. *Journal of Diabetes Research (formerly titled Experimental Diabetes Research)* 2014: Article ID 179686, 1-7.