

## Dr. Yung-Liang Wan's Brief CV

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Dr. Yung-Liang Wan is currently an Honorable Professor of Radiology, College of Medicine, Chang Gung University, a Consultant Radiologist at the Department of Medical Imaging and Intervention, Linkou Chang Gung Memorial Hospital in Taiwan. He graduated from the College of Medicine, National Taiwan University in 1980. He completed four years of Resident training in 1984 and Fellowship in 1985.

Professor Wan was a Director of the Department of Medical Imaging and Radiological Sciences (MIRS), College of Medicine, Chang Gung University for 23 years from 1995 to January 2019. He was the Chairman of the Department of Medical Imaging and Intervention, Linkou Chang Gung Memorial Hospital, Chang Gung University for 18 years from 1993 to 2011. Currently, he is the President of ASCI (Asian Society of Cardiovascular Imaging) and the immediate past President of the Asian Society of Thoracic Radiology (ASTR) (2015 to 2019), a consultant to the Taiwan Radiological Society (TRS), the Founding President of Taiwan Society of Medical Imaging and Radiological Sciences, and Congress Ambassador of Taipei City Government (2019 to 2024). He was the President or Organizer of nine International Congresses.

Cardiothoracic imaging, CT-guided intervention of chest, diagnostic ultrasonography, and US-guided intervention are his major interest for research. He has published 342 peer-reviewed papers. He has been invited to deliver 72 domestic lectures and 95 speeches in international meetings. A reviewer of 21 medical journals. Winning 19 awards and honors, including an Outstanding Award of ASCI in March 2019, a Congress Ambassador of Taipei City Government (2019 to 2024), and a member of International Visiting Professor (IVP) Program to promote the Radiological Profession in Asia (Myanmar) in February 2019 which was organized by the RSNA and AOSR. He is an Associate Editor of J Thoracic Imaging (an official journal of Society of Thoracic Radiology, USA, cited by SCI), Editor-in-Chief of J Radiological Sciences (an official journal of TSR), and Editorial board member of Cardiovascular Imaging Asia (an official journal of ASCI).

Total published papers (peer-review articles): 342

Publications in the **first or corresponding authors** in the last 10 years:

1. **Wan YL**, Schoepf UJ, Wu CC, Giovagnoli DP, Wu MT, Hsu HH, Chang YC, Yang CT, Wen-Jin Cherng. Preparedness and best practice in radiology department for COVID-19 and other future pandemics of severe acute respiratory infection. J

- Thoracic Imag. 2020;35:239-245. (SCI)
2. Fu JY, **Wan YL**, (co-first author), Huang TY, Wu CF, Liu YH, Hsieh MJ, Wu YC, Wu CY. Correlation between image characteristics and pathologic findings in non-small cell lung cancer patients after anatomic resection. Plos ONE. 2018 Oct 31;13(10):e0206386. (SCI)
  3. **Wan YL**, Tsay PK, Wu PW, Juan YH, Tsai HY, Lin CY, Yeh CS, Wang CH, Chen CC. Impact of filter convolution and displayed field of view on estimation of coronary Agatston scores in low-dose lung computed tomography. Int. J. Cardiol. 2017;236:451-457. (SCI)
  4. **Wan YL**, Tsay PK, Chen CC, Chan WH, Huang YC, Juan YH, Wen MS, Hsieh IC. Coronary in-stent restenosis: predisposing clinical and stent-related factors, diagnostic performance and analyses of inaccuracies in 320-row computed tomography angiography. Int J Cardiovasc Imaging. 2016;32(1):105-15. (SCI)
  5. **Wan YL**, Tai DI, Chiang BH, Ma HY, Chen CK, Tsui PH. Effects of fatty infiltration in human livers on the backscattered statistics of ultrasound imaging. Proc. Inst. Mech. Eng. Part H-J. Eng. Med. 2015;229(6):419-28. (SCI)
  6. Tsui PH, **Wan YL** (co-first author), Chien YT, Yeh CC, Wang CY. Dependency of ultrasonic Nakagami image on the mechanical properties of scattering medium. J. Med. Biol. Eng. 2013;33:95-102. (SCI)
  7. Chen CC, Wu PW, Tsay PK, Wang CC, Toh CH, **Wan YL\***. Subtracted computed tomography angiography in the evaluation of coronary arteries with severe calcification or stents using a 320-row CT scanner. J Thorac Imaging. 2020;10.1097. (SCI)
  8. Hsu WC, Wu PW, Hsu MY, Juan YH, Toh CH, **Wan YL\***. Should We Rely on Milder or Severer Degree of Coronary Artery Stenosis in Different Cardiac Phases of Coronary Computed Tomography Angiography? J Radiol Sci. 2019;44:91-96.
  9. Lin YP, Pan KT, Wu PW, Wang CW, Wu YC, Cheung YC, Toh CH, Ng SH, **Wan YL\***. Analysis and computed tomographic findings of lung nodules proved by surgical pathology after CT-guided localization. J Radiol Sci. 2018;43:133-139.
  10. So A, Chang CB, Hsieh IC, Wen MS, Lee TY, Shieh Y, Chen CC, **Wan YL\***. Image-based coronary calcium and metal subtraction in coronary computed tomography angiography. J Med Imaging Health Inform. 2017;7:1780-1788. (SCI)
  11. Siow TY, Wang CW, Wu YC, Wu CT, Chang CB, Pan KT, **Wan YL\***. CT imaging findings of fifteen cases of atypical adenomatous hyperplasia of the lung. J Radiol Sci. 2017;42:1-6.

12. Juan YH, Tsay PK, Shen WC, Yeh CS, Wen MS, **Wan YL\***. Comparison of the left main coronary bifurcating angle among patients with normal, nonsignificantly and significantly stenosed left coronary arteries. *Scientific Reports*. 2017;7:1515. (SCI)
13. Tsui PH, Zhou Z, Lin YH, Hung CM, Chung SJ, **Wan YL\***. Effect of ultrasound frequency on the Nakagami statistics of human liver tissues. *PLoS ONE*. 2017;12:e0181789. (SCI)
14. Wu PW, Chen SJ, Chang CB, Chuang WY, Hung KC, **Wan YL\***. Imaging of cardiac masses. *Cardiovas Imag Asia*. 2017;1:23-37.
15. Tsui PH, Wang CY, Zhou Z, and **Wan YL\***. Monitoring radiofrequency ablation using ultrasound envelope statistics and shear wave elastography in the periablation period: an in vitro feasibility study. *PLoS One*. 2016;11:e0162488. (SCI)
16. Tsui PH, **Wan YL\***. Effects of fatty infiltration of the liver on the Shannon entropy of ultrasound backscattered signals. *Entropy*. 2016;18:341. (SCI)
17. Irama W, Huang YT, Lee LY, Huang CC, **Wan YL\***. Benign metastasizing leiomyoma of lung: a case report. *J Radiol Sci*. 2016;41:1-4.
18. Wu PW, Tsay PK, Wu YC, Pan KT, Cheung YC, **Wan YL\***. Radiographic and computed tomographic findings of pulmonary hamartomas. *J Radiol Sci*. 2016;41:69-74.
19. Juan YH, Huang YC, Sun Z, Hsieh IC, Chan WH, Chen CC, Hung KC, Wen MS, **Wan YL\***. The evolution and investigation of native coronary arteries in patients after coronary stent implantation: a study by 320-detector CT angiography. *Int J Cardiovasc Imaging*. 2014;30:13-24. (SCI)
20. Chang CB, Chen CC, Fu CJ, Wu CT, Lin GG, Shih LY, Chuang WY, **Wan YL\***. Computed tomographic manifestations of pulmonary non-Hodgkin's lymphoma. *J Radiol Sci*. 2013;38:77-83.
21. Liu YC, Sun ZH, Chan T, Tsay PK, Hsieh IC, Chen CC, Wen MS, **Wan YL\***. Significance of coronary calcification for prediction of coronary artery disease and cardiac events based on 64-slice computed tomography coronary angiography. *Biomed Res. Int*. 2013;2013:1-9. (SCI)
22. Hwang YS, Tsai HY, Chen CC, Tsai PK, Pan HB, Hsu GH, Lin JH, Chui CS, **Wan YL\***, **Liu HL\***. Effects of quality assurance regulatory enforcement on performance of mammography systems: evidence from large-scale surveys in Taiwan. *AJR Am J Roentgenol*. 2013;201:307-12. (SCI)
23. Jeng CM, Wu MT, Wang PC, Chan T, **Wan YL\***. A survey of the current status of coronary CT angiography using 64-slice multidetector CT in Taiwan. *J. Formos.*

- Med. Assoc. 2014;113:124-32. (SCI)
24. Z Sun, **Wan YL\***, IC Hsieh, YC Liu, MS Wen. Coronary CT angiography in the diagnosis of coronary artery disease. *Curr Med Imaging Rev.* 2013;9:184-193. (SCI)
  25. Chan WH, Huang YC, Weng HH, Ko SF, Chu JJ, Lin PJ, **Wan YL\***. Analysis of intimal extent and predictors of renal atrophy in patients with aortic dissection. *Acta Radiol.* 2012;53:732-741. (SCI)
  26. Chen CM, Liu YC, Chen CC, Wen MS, Hung CF, **Wan YL\***. Radiation dose exposure of patients undergoing 320-row cardiac CT for assessing coronary angiography and global left ventricular function. *Int J Cardiovasc Imaging.* 2012;28:1-5. (SCI)
  27. Huang YC, Wu CT, Lin G, Chuang WU, Yeow KM, **Wan YL\***. Comparison of ultrasonographically guided fine needle aspiration and core needle biopsy in the diagnosis of parotid masses. *J Clin Ultrasound.* 2012;40:189-194. (SCI)
  28. Lui KW, Ng KK, Ng SH, **Wan YL\***. Superselective Gelfoam Blind Embolization of Arterial Hemorrhage Caused by Esophageal Neoplasia. *J Radiol Sci.* 2012. 185-189
  29. Chen CC, Chen CC, Hsieh IH, Liu YC, Liu CY, Chan T, Wen MS, **Wan YL\***. The effect of calcium score on diagnostic accuracy of coronary CTA. *Int J Cardiovasc Imaging.* 2011;27:37-42. (SCI)
  30. Huang PC, Liu CY, Chuang WY, Shih LY, **Wan YL\***. Ultrasound-guided core needle biopsy of cervical lymphadenopathy in patients with lymphoma: the clinical efficacy and factors associated with unsuccessful diagnosis. *Ultrasound Med Biol.* 2010;36:1431-1436. (SCI)