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Born:

August 28, 1966
Taichung, Taiwan

Current Post:

Division Chief, Department of Nuclear Medicine, Taipei Veterans
General Hospital, 2022 to present
President, Society of Nuclear Medicine, Taiwan (R.O.C.), 2022 to
present

Education:

Ph.D., Graduate Institute of Pharmaceutical Sciences, Kaohsiung
Medical University, 2005~2011
M.S., Microbiology and Immunology, National Defense Medical Center,
1992~1994
M.D., National Defense Medical Center, 1984~1991
Nuclear Medicine Residency, Tri-Service General Hospital, 1995~1999

Certificates and Licenses:

Associate Professor
Medical License of Taiwan
Diploma Board of Nuclear Medicine
Diploma Board of Occupational Medicine

Hospital Staff Appointments:

Director, Department of Nuclear Medicine, Buddhist Dalin Tzu Chi General Hospital, Chiayi, Taiwan, 2000~2022

Consulting Staff, Department of Nuclear Medicine, Armed Forced Taichung General Hospital, Taichung, Taiwan, 2000~2004

Attending Staff, Department of Nuclear Medicine, Tri-Service General Hospital, Taipei, Taiwan, 1999~2000

Academic Appointments:

Buddhist Tzu Chi University, School of Medicine,
Associate Professor, 2012~2022

Assistant Professor, 2007~2012

Instructor, 2000~2007

National Defense Medical Center, Department of Radiology,
Instructor, 1997~2000

Chief Editor, Annuals of Nuclear Medicine and Molecular Imaging,
2014~2022

Honors and Awards

Young Investigator Award, Tri-Service General Hospital, 1999

Young Investigator Award, 22nd World Congress of Pathology and Laboratory Medicine, 2003

Best Poster Award, 9th Congress of the World Federation of Nuclear Medicine & Biology, 2006

Best Paper Award, Tzu Chi Medical Journal, 2009

Best Poster Award of the Annual Conference of Society of Nuclear Medicine, Taiwan, 2018

Publications:

1. Chuang TL, Koo M, Chuang MH, Lin CH, Huang CH, Wang YF. Changes in Bone Mineral Density and Trabecular Bone Score over Time between Vegetarian and Non-Vegetarian Middle-Aged and Older Women: A Three-Year Retrospective Medical Record Review. *Int J Environ Res Public Health*. 19(4):2445, <https://doi.org/10.3390/ijerph19042445>, 2022 (SCI)
2. Chuang TL, Wang YF, Koo M, Chuang MH. Association of Trabecular Bone Score-Adjusted Fracture Risk Assessment Tool with Coronary Artery Calcification in Women. *Diagnostics*. 12(1):178, <https://doi.org/10.3390/diagnostics12010178>, 2022 (SCI)
3. Chuang TL, Chou SC, Chen YR, Wang YF. Bone Scan with SPECT/CT Demonstrated C1 to C2 Involvement in Rheumatic Arthritis. *Clin Nucl Med*. 47(7):661-663, 2022 (SCI)
4. Koo M, Chuang TL, Wang YF. Research trends in trabecular bone score: A bibliometric review from 2008 to 2019. *Tzu Chi Med J*. 33(3):307-313, 2021
5. Chuang TL, Chuang MH, Wang YF, and Koo M. Age-Specific Normative Values of Lumbar Spine Trabecular Bone Score (TBS) in Taiwanese Men and Women. *J Clin Med*. 10(20):4740, <https://doi.org/10.3390/jcm10204740>, 2021 (SCI)
6. Chuang TL, Chen JC, Chen YR, Wang YF. FDG PET/CT of Benign Psammomatous Meningioma Effacing the Medulla. *Clin Nucl Med*. 46(3):252-254, 2021 (SCI)
7. Chuang TL, Koo M, Chuang MH, Wang YF. Bone Mineral Density and Hemoglobin Levels: Opposite Associations in Younger and Older Women. *Int J Environ Res Public Health*. 18(10), doi:10.3390/ijerph18105495, 2021 (SCI)
8. Chuang TL, Lin CH, Wang YF. Effects of Vegetarian Diet on Bone Mineral Density. *Tzu Chi Med J*. 33(2):128-134, 2021
9. Chuang TL, Koo M, Wang YF. Association of Bone Mineral Density and Coronary Artery Calcification in Patients with Osteopenia and

- Osteoporosis. *Diagnostics*. 10(9), doi:10.3390/diagnostics10090699, 2020 (SCI)
10. Chen PL, Chuang TL, Chou SC, Liao JG, Wang YF. Association between Benign Prostatic Hyperplasia and Lumbar Spine Bone Mineral Density. *Ann Nucl Med Sci*. 33:28-36, 2020
 11. Chuang TL, Chuang MH, Koo M, Lin CH, Wang YF. Association of bone mineral density and trabecular bone score with cardiovascular disease. *Tzu Chi Med J*. 32(3): 234-239, 2020
 12. Chuang TL, Lin JW, Wang YF. Bone Mineral Density as a Predictor of Atherogenic Indexes of Cardiovascular Disease, Especially in Non-Obese Adults. *Dis Markers*. 2019:1045098, 2019 (SCI)
 13. Chuang TL, Hsu TW, Chou SC, Wang YF. Car Accident with Airbag Deployment Trauma Showed Special Pattern in Bone Scan. *Clin Nucl Med*. 44(5):429-430, 2019 (SCI)
 14. Chuang MH, Chuang TL, Koo M, Wang YF. Low Hemoglobin Is Associated with Low Bone Mineral Density and High Risk of Bone Fracture in Male Adults: A Retrospective Medical Record Review Study. *American Journal of Men's Health*. 13(3): 1557988319850378, 2019 (SCI)
 15. Chuang TL, Chuang MH, Lin CH, Chou SC, Wang YF. Significant association factors of bone mineral density in Taiwan adults. *Tzu Chi Med J*. 32(4):367-372, 2019
 16. Chuang TL, Ho KW, Wang YF. A Bizarre Bone Scan of Fibrodysplasia Ossificans Progressiva. *Clin Nucl Med*. 43(6):433-435, 2018 (SCI)
 17. Chuang TL, Li YD, Hsiao FT, Chuang MH, Wang YF. FRAX® Fracture Risks Are Associated with Coronary Artery Calcification Score. *Dis Markers*. 2017:1592598. doi: 10.1155/2017/1592598, 2017 (SCI)
 18. Chuang MH, Chuang TL, Huang KY, Wang YF. Age - adjusted Charlson Comorbidity Index scores predict major adverse cardiovascular events and all- cause mortality among systemic lupus erythematosus patients. *Tzu Chi Med J*. 29(3):154-158, 2017

19. Chuang MH, Chuang TL, Koo M, Wang YF. Trabecular Bone Score Reflects Trabecular Microarchitecture Deterioration and Fragility Fracture in Female Adult Patients Receiving Glucocorticoid Therapy: A Pre-Post Controlled Study. *Biomed Res Int*. 2017:4210217. doi: 10.1155/2017/4210217, 2017 (SCI)
20. Chuang TL, Hsu BB, Chi CL, Wang YF. Gallium SPECT/CT in evaluation of IgG4-related disease: A case report and literature review. *Medicine*. 95(37):e4865, 2016 (SCI)
21. Hung GU, Wang YF, Su HY, Hsieh TC, Ko CL, Yen RF. New Trends in Radionuclide Myocardial Perfusion Imaging. *Acta Cardiol Sin*. 32(2): 156-66, 2016 (SCI, Review)
22. Chuang TL, Hsiao FT, Li YD, Wang YF. TBS Predict Coronary Artery Calcification in Adults. *Biomed Res Int*. 2016:8391589. doi:10.1155/2016/8391589, 2016 (SCI)
23. Wang YF, Chuang MH, Chuang TL, Huang KY, Lyu SR, Huang CY, Lee CC. CHADS2 Scores in the Prediction of Major Adverse Cardiovascular Events in Patients with Cushing's syndrome. *Int J Endocrinol*. 2014: 138653. doi: 10.1155/2014/138653. 2014 (SCI)
24. Chuang TL, Hsu CS, Wang YF. (131)I SPECT/CT demonstrated ovarian endometrioma. *Clin Nucl Med*. 39(2):193-5, 2014 (SCI)
25. Wu CC, Hsu TW, Chang CM, Yu CH, Wang YF, Lee CC. The effect of individual and neighborhood socioeconomic status on gastric cancer survival. *PLoS One*. 25;9(2):e89655, 2014 (SCI)
26. Chuang TL, Wang YF. Gallium SPECT/CT for permanent catheter infection. *Clin Nucl Med*. 39(3):283-5, 2013 (SCI)
27. Chen YC, Chiu JS, Wang YF. NP-59 SPECT/CT imaging in stage 1 hypertensive and atypical primary aldosteronism: a 5-year retrospective analysis of clinicolaboratory and imaging features. *Scientific World Journal*. 2013:317934. doi:10.1155/2013/317934. 2013 (SCI)
28. Chuang TL, Lai CL, Chang SM, Wang YF. Pulmonary carcinosarcoma: 18F-FDG PET/CT imaging. *Clin Nucl Med*. 37:1105-1107, 2012 (SCI)

29. Chen YC, Su YC, Chiu JS, Wang YF. Protein-losing gastropathy in peritoneal dialysis as a wolf in sheep's clothing: Tc-99m human serum albumin SPECT/CT diagnosis. *Clin Nucl Med*. 37:e16-18, 2012 (SCI)
30. Chuang MH, Wang YF, Chen M, Cham TM. Effectiveness of Implementation of a New Drug Storage Label and Error-Reducing Process on the Accuracy of Drug Dispensing. *J Med Syst*. 36:1469-1474, 2012 (SCI)
31. Wang YF, Fu CM, Chuang MH, Cham TM, Chung MI. Magnetically Directed Targeting Aggregation of Radiolabelled Ferrite Nanoparticles. *Journal of Nanomaterials*. 2011:851520. doi:10.1155/2011/851520. 2011 (SCI)
32. Wang YF, Chen YC, Li DK, Chuang MH. Technetium-99m Labeled Autologous Serum Albumin - A Personal-exclusive Source of Serum Component. *J Biomed Biotechnol*. 2011:413802. doi:10.1155/2011/413802. 2011 (SCI)
33. Chen YC, Su YC, Wei CK, Chiu JS, Tseng CE, Chen SJ, Wang YF. Diagnostic Value of I-131 NP-59 SPECT/CT Scintigraphy in Patients with Subclinical or Atypical Features of Primary Aldosteronism. *J Biomed Biotechnol*. 2011:209787. doi:10.1155/2011/209787. 2011 (SCI)
34. Chen YC, Su YC, Chiu JS, Wei CK, Wang YF. Peritoneo-scrotal shunting diagnosed by Tc-99m DTPA SPECT/CT imaging. *Kidney Int*. 78: 523, 2010 (SCI)
35. Chuang MH, Lin CL, Wang YF, Cham TM. Development of Pictographs Depicting Medication Use Instructions for Low-Literacy Medical Clinic Ambulatory Patients. *J Manage Care Pharm*. 16:337-345, 2010 (SCI)
36. Wang AY, Kuo CL, Lin JL, Fu CM, Wang YF. Study of magnetic ferrite nanoparticles labeled with 99mTc-pertechnetate. *J Radioanal Nucl Chem*. 284:405-413, 2010 (SCI)
37. Chen YC, Chiu JS, Wang YF. Response to 'Pitfalls of technetium-99m-labeled human serum albumin scintigraphy for protein-losing enteropathy' *Kidney International*. 76: 911-912, 2009 (SCI)

38. Chen YC, Chiu JS, Wang YF. Response to 'Limited significance of iodomethylnorcholesterol uptake in adrenal visualization' *Kidney International*. 76: 678, 2009 (SCI)
39. Fu CM, Wang YF, Guo YF, Wang LS, Chuang MH, Cham TM. Pharmacokinetics of intravenously injected Tc-99m labeled ferrite nanobeads. *J Appl Phy*. 105:07B311, 2009 (SCI)
40. Chen YC, Su YC, Tzeng JE, Wei CK, Chiu JS, Wang YF. The Case | A woman with persistent chest pain and palpitations after coronary stenting. *Kidney International*. 75:1361-1362, 2009 (SCI)
41. Liao JG, Chiu JS, Dai CP, Chu HL, Chia GG, Wang YF. Exploration of the Patient's Satisfaction in Nuclear Medicine Service. *Ann Nucl Med Sci*. 22:221-229, 2009
42. Liao JG, Wang YF, Chiu JS, Chang JB. Fitness Investigation on Accreditation of RIA Medical Laboratories by Using ISO 15189 in Taiwan: a Preliminary Report. *Ann Nucl Med Sci*. 22:205-212, 2009
43. Chiu JS, Wang YF, Su YC, Wei LH, Liao JG, Li YC. Artificial neural network to predict skeletal metastasis in patients with prostate cancer. *J Med Syst*. 33:91-100, 2009 (SCI)
44. Wang YF, Chuang MH, Cham TM, Chung MI. Stability of the mixture of technetium-99m human serum albumin and lidocaine hydrochloride for clinical application. *Nucl Med Commun*. 30:494-7, 2009 (SCI)
45. Chen YC, Chiu JS, Chuang MH, Chung MI, Wang YF. Chronic edema from protein-losing enteropathy: scintigraphic diagnosis. *Kidney International*. 75:1124, 2009 (SCI)
46. Chen YC, Wei CK, Chen PF, Tzeng JE, Chuang TL, Wang YF. Seeing Invisible: I-131 NP-59 SPECT/CT for Negligible Primary Hyperaldosteronism. *Kidney International*. 75:663, 2009 (SCI)
47. Liao JG, Chiu JS, Shu YC, Huang PY, Wang YF, Chang JB. Evaluation for the Retention of F-18 2-fluoro-2-deoxy-D-glucose onto Injection Syringes. *J Nucl Med Tech*. 5:15-20, 2008
48. Hsu YC, Liao JG, Huang PY, Wang YF. Comparison of Calcium Scoring Results from PET/CT and Multi-slices CT Acquisition. *Ann Nucl*

Med Sci 21:197-203, 2008

49. Wei LH, Chiu JS, Chang SY, Wang YF. Predicting Bone Metastasis in Prostate Cancer Patients: Value of Prostate Specific Antigen. *Tzu Chi Med J.* 20:291-295, 2008
50. Chang XY, Liao CH, Liao JG, Jou NL, Wang YF. Technical Guidelines for Quality of Nuclear Medicine Imaging. *Ann Nucl Med Sci.* 21:165-170, 2008
51. Wei LH, Chiu JE, ChangSY, Tien HL, Liao JG, Wang YF. Hemolysis and the Impact on Clinical Analysis of CA 125 in Radioimmunoassay. *Ann Nucl Med Sci.* 21:83-87, 2008
52. Chang JB, Lu SC, Wang YF. Quality System and Management Requirements in ISO 15189 Standards of a Medical Laboratory. *Ann Nucl Med Sci.* 21:21-35, 2008
53. Wang YF, Tseng KC, Chiu JS, Chuang MH, Chung MI, Lai NS. Outcome of surgical resection for protein-losing enteropathy in systemic lupus erythematosus. *Clin Rheumatol.* 27(10):1325-8, 2008. (SCI)
54. Wang YF, Chiu JS, Chuang MH, Chiu JE, Lin CL. Bone mineral density of vegetarian and non-vegetarian adults in Taiwan. *Asia Pac J Clin Nutr.* 17(1):101-6, 2008 (SCI)
55. Chen YK, Wang YF, Chiu JS. Diagnostic trinity: Graves' disease on F-18 FDG PET. *Clin Nucl Med.* 32:816-7, 2007 (SCI)
56. Chuang TL, Kuo JL, Chang XY, Chiu JS, Wang YF. Scintigraphic Evidence of Osteomalacia: Usefulness and Typical Signs. *Ann Nucl Med Sci.* 20:115-20. 2007
57. Jong GP, Wang YF, Tsai FJ, Tsai CH, Wu CL, Liu RH, Hsieh D JY, Ko FY, Huang CY, Lee SD. Immunoglobulin E and Matrix Metalloproteinase-9 in Patients with Different Stages of Coronary Artery Diseases. *Chinese J Physiol.* 50:277-282, 2007 (SCI)
58. Chuang MH, Lin CL, Wang YF, Chung MI, Cham TM. Southern Taiwan Findings from the Institute for Safe Medication Practice Medication Safety Self Assessment for Hospitals Survey. *Tzu Chi Med*

J. 19(2):74-83, 2007

59. Wang YF, Chuang MH, Chiu JS, Chan TM, Chung MI. On-site Preparation of Technetium-99m Labeled Human Serum Albumin for Clinical Application. *Tohoku J Exp Med.* 211:379-85, 2007 (SCI)
60. Wang YF, Lin CW, Chiu JS. Unexpected visitor: hepatic visualization on radionuclide venography. *Clin Nucl Med.* 32:229-30, 2007(SCI)
61. Chiu JS, Huang SH, Hu TM, Chen YY, Li YC, Wang YF. Clinical applications of artificial intelligence to forecast target range of radioimmuno-metric intact parathyroid hormone in hemodialysis patients. *Ann Nucl Med Sci.* 19(3):149-59, 2006
62. Wang YF, Hu TM, Wu CC, Yu FC, Fu CM, Lin SH, Huang WH, Chiu JS. Prediction of target range of intact parathyroid hormone in hemodialysis patients with artificial neural network. *Comput Methods Programs Biomed.* 83(2):111-9, 2006(SCI)
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64. Wang YF, Lin TK, Chen CW, Chiu JS, Lin CL. Reverse redistribution in thallium-201 myocardial scintigraphy: diagnostic accuracy improved by simultaneous gated SPECT wall motion study. *Tzu Chi Med J.* 8:101-8, 2006
65. Chiu JS, Tzeng JE, Wang YF. Infection hunter gallium scintigraphy for hemodialysis access graft infection. *Kidney Int.* 69(8):1290, 2006 (SCI)
66. Chiu JS, Chen CA, Lee CH, Li YC, Lin YF, Wang YF, Yu FC. Neural network technology to predict intracellular water volume. *Int J Clin Pract.* 60:1231-8, 2006 (SCI)
67. Fu CM, Wang YF, Guo YF, Lin TY, Chiu JS. In vivo bio-distribution of intravenously injected Tc-99m labeled ferrite nanoparticles bounded with biocompatible medicals. *IEEE T MAGN.* 41: 4120-4122, 2005 (SCI)
68. Chiu JS, Li YC, Wang YF. Assessing the quality of predictive models for classification. *Am J Cardiol.* 96:323-324, 2005 (SCI)

69. Chiu JS, Chong CF, Lin YF, Wu CC, Wang YF, Li YC. Applying artificial neural network to predict total body water in hemodialysis patients. *Am J Nephrol*. 25:507-513, 2005 (SCI)
70. Chiu JS, Lin WT, Li YC, Wang YF. Neural network modeling to predict intact parathyroid hormone in uremic patients on continuous ambulatory peritoneal dialysis. *Ann Nuc Med Sci*. 18(3):135-141, 2005
71. Wang YF, Lin CW, Sheu YT, Chiu JS. Diagnosis of Port-A Catheter Induced Thrombosis by Upper Extremities Radionuclide Venography. *Ann Nucl Med Sci*. 18: 63-66, 2005
72. Chiu JS, Wang YF, Chen CA, Lin SH, Lin YF, Chu P. Rocks in the head: extensive intracranial calcification. *Int Med J*. 35: 362-363, 2005 (SCI)
73. Wang YF. Patient Safety and Health Care Practice – Co-discussion of Patient-Centered Nuclear Medicine Service. *Ann Nucl Med Sci*. 17: 153-160, 2004
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75. Wang YF, Lin CL, Lin YL, Lee FW. Relationship between Lifestyle and Geographic Location to Bone Mineral Density among Adult Women in Western of Taiwan. *Chinese J Occup Med*. 11: 165-172, 2004
76. Wang YF, Cherng SC. Acute Pulmonary Hemorrhage: A Mimicker of Pulmonary Embolus in Perfusion Lung Scan. *Ann Nucl Med Sci*. 17: 121-124, 2004
77. Chang JB, Chang SC, Yu TC, Lee FW, Wang YF. Survey on Security and Precautions of Nuclear Medicine Laboratories in Taiwan. *Ann Nucl Med Sci*. 17: 77-85, 2004
78. Su JL, Lee MS, Su YC, Sheu YT, Wang YF. Establishment of an Anthropometric Database of Taiwanese Adults by Nuclear Medicine Whole-Body Bone Scan. *Tzu Chi Med J*. 16: 249-256, 2004
79. Lin CL, Wang YF, Chang SC, Shen SC, Chuang MH. Introduction and Promotion of the Use of Child-Resistant Packing of Medicines in

- Taiwan. *Tzu Chi Med J.* 16: 217-225, 2004
80. Chuang MH, Wang YF, Lin CL, Lee CH. Assessment of a Pharmacy-Based Drug Use Follow-Up Program for Ambulatory Patient with Chronic Disease. *Tzu Chi Med J.* 16: 173-183, 2004
 81. Wang YF, Chang SC, Lin CW, Chuang MH. Value of Ga-67 Inflammatory Scan in the Investigation of Acute Pyelonephritis in Pediatric Patient. *Ann Nucl Med Sci.* 17: 57-61, 2004
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 83. Wang YF, Lai NS, Shine CN. Bone Scintigraphic Findings in the Oculocerebrorenal Syndrome of Lowe: Case Report. *Tzu Chi Med J.* 15: 195-198, 2003
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 85. Wang YF, Hsieh CC, Chuang MH, Huang YS. Radionuclide brain scintigraphy of Enterovirus type 71-induced cerebral ventriculitis. *Tzu Chi Med J.* 14: 389-393, 2002
 86. Wang YF, Lin TK, Chuang MH. Myocardial infarction: An incidental finding on bone scintigraphy. *Tzu Chi Med J.* 14: 49-53, 2002
 87. Cherng SC, Wang YF, Fan YM, Yang SP, Huang WS. Iliofemoral vein thrombosis and pulmonary embolism associated with a transient ischemic attack in a patient with antiphospholipid syndrome. *Clin Nucl Med.* 26: 84-85, 2001 (SCI).
 88. Wang YF, Cherng SC, Jen TK, Huang WS. Single dose administration in a patient with inter-ictal and immediate post-ictal Tc-99m HMPAO brain SPECT studies. *Ann Nucl Med Sci.* 13: 247-250, 2000
 89. Huang WS, Fan YM, Wang YF. Irradiation and thyroid. *Ann Nucl Med Sci.* 13: 175-180, 2000
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scintigraphy in the diagnosis of nephrotic syndrome with pulmonary embolism. *Clin Nuc Med*. 25: 167-172, 2000 (SCI)

91. Huang WS, Wu CJ, Wang YF, Jen TK, Cherng SC. Fraley's syndrome seen on bone scintigraphy. *Ann Nucl Med Sci*, 13: 71-74, 2000