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<b>Education :</b> Ph.D., College of Life Science, National Tsing Hua University
<b>Career Experience :</b> I served in Yuanpei University of Medical Technology for 6 years.
<b>Courses Taught :</b> Special Radiography and Laboratory, Mammography and Bone Densitometry, Diagnostic Imaging Laboratory (I), Diagnostic Imaging Laboratory (II).
<b>Professional Fields :</b> Radiography Diagnostic Imaging, Bone Densitometry and Quality Control.
<b>Research Interests :</b> Radiography Diagnostic Imaging, Bone Densitometry and Quality Control.
<b>Publications :</b>
<b>A. Papers</b>
1. Chao-Chun Huang <sup>1,2</sup> , Ya-Hui Lin <sup>1,3,4</sup> , Samrit Kittipayak <sup>5</sup> , <b>Yi-Shi Hwua</b> <sup>1</sup> , ShanYing Wang <sup>2*</sup> , Lung-Kwang PanID <sup>1*</sup> , Biokinetic model of radioiodine I-131 in nine thyroid cancer patients subjected to in-vivo gamma camera scanning: A simplified fivecompartmental model. PLoS ONE 15(5): e0232480. <a href="https://doi.org/10.1371/journal.pone.0232480">https://doi.org/10.1371/journal.pone.0232480</a> 2020
2. 鄭偉宏 <sup>1</sup> 史天宇 <sup>1,2</sup> 韓若平 <sup>3</sup> 華亦熙 <sup>2*</sup> 。身體組成與骨質密度之關聯性研究。中華放射線技術學雜誌 C J Radiologic Tech 2020; 44(1): 29-35
3. Tzu-Hwei Wang <sup>1,2</sup> , Chao-Hsun Chuang <sup>3</sup> , Fu-Tsai Chiang <sup>4</sup> , Shao-Wen Chiu <sup>3,5</sup> , Jia-Feng Peng <sup>6</sup> , <b>Yi-Shi Hwua</b> <sup>3</sup> , Samrit Kittipayak <sup>7*†</sup> , and Lung-Kwang Pan <sup>3*†</sup> . Overall Survival Prediction for Colon Cancer Patients of 0–IV Stages With and Without Surgical Operation Through a Revised Taylor Series Expansion Algorithm: A Population-Based Study in Taiwan. Journal of Medical Imaging and Health Informatics Vol. 9, 1–10, 2019
4. Tsai-Hsueh Leu <sup>1,2</sup> , Yang Wei <sup>3</sup> , <b>Yi-Shi Hwua</b> <sup>4</sup> , Xiao-Juan Huang <sup>3</sup> , Jung-Tang Huang <sup>1,*</sup> and Ren-Jei Chung <sup>3,*</sup> . Fabrication of PLLA/C3S Composite Membrane for the Prevention of Bone Cement Leakage. <i>Polymers</i> <b>2019</b> , <i>11</i> (12), 1971. <a href="https://doi.org/10.3390/polym11121971">https://doi.org/10.3390/polym11121971</a>
5. <b>Hwua, YS</b> , Wen HW.(Cathy), Hua MY, Yu CC, Lin WJ, Lin CH. (2006). Distal Forearm Bone Mineral Density in Taiwan Adolescents. Journal of Clinical Densitometry 9(2): 244-245.(Abstract)
6. Hwua YS, Lin CH. and Lin SS. (2005). Diagnosis of Osteoporosis. Chinese Journal of Radiologic Technology, 29:81-95.
7. <b>Hwua, Y.S.</b> , Tseng, W.P., Chyn, C.P., and Maa, W.C.(1987).“Comparative study on PAGE properties of larval alkaline phosphatase of malathion-resistant strains of diamondback moth”, <i>Plutella xylostella</i> L. Plant protection bulletin, 29, 413-414. (Abstracts of papers presented at 1987 annual meeting).
8. Liu, T.Y., <b>Hwua, Y.S.</b> , Chao, T.W., and Chi, C.W.(1995).“Mechanistic study of the inhibition of aflatoxin b1-induced hepatotoxicity by dimethyl 4,4'-dimethoxy-5,6,5',6'- dimethylenedioxy biphenyl-2,2'-dicarboxylate”, <i>Cancer Letters</i> , 89, 201-205.
<b>B. Seminar papers</b>
1. <b>Hwua YS</b> , Hua MY and Wen HW. (2007). Bone mineral density of spine and femur in healthy Taiwan adolescents. International Society for Clinical Densitometry (ISCD), 13th Annual Meeting. March 14-17, Tampa, Florida, USA.(Poster)
2. Changlai SP and <b>Hwua YS*</b> . (2007). Short-term in-vivo precision assessment of a new dual-energy X-ray absorptiometry (DXA) in Taiwan. International Society for Clinical Densitometry (ISCD), 13th Annual Meeting. March 14-17, Tampa, Florida, USA.(Poster)

3. **Hwua YS** and Changlai SP. (2007). The precision assessment of dual-energy X-ray absorptiometry (DXA). 6rd-Korea-Rep. of China-Japan International Joint Conference for Radiological Technologists and the 23th Annual Meeting of Japan Association of Radiological Technologists (JART). June 7-10, Kanazawa-City, Ishikawa-Pref, Japan. (Abstract, Oral presentation).
4. **Hwua YS**, Changlai SP and Tsai SS. (2007). The in-vivo precision assessment of dual-energy X-ray absorptiometry—Hip scans. Association of Radiologic Technologists of the Republic of China 15th Annual meeting and the 5th Republic of China (Taiwan), Japan, Korea international joint conference for radiological technologist. 14th January, Central Taiwan University of Science and Technology, Taichung, Taiwan.(Poster)
5. **Hwua YS**, Wen HW, Hua MY, Yu CC, Lin WJ and Lin CH. (2006). Bone mineral status and calcium consumption in Taiwan adolescents. 3rd-Korea-Rep. of China-Japan International Joint Conference for Radiological Technologists and the 22th Annual Meeting of Japan Association of Radiological Technologists (JART). October 6-9, Yonago, Japan. (Abstract, Oral presentation).
6. **Hwua YS**, Wen HW, Hua MY, Yu CC, Lin WJ and Lin CH. (2006). Distal forearm bone mineral density in Taiwan adolescents. International Society for Clinical Densitometry (ISCD), 12th Annual Meeting. February 1-4, Sheraton San Diego, CA, USA. (Poster)
7. Cheng WH, Ying GS and **Hwua YS**. (2006). Discussion movement custom regarding bone mineral density when female period stop. Association of Radiologic Technologists of the Republic of China 39th Annual meeting and the 2nd Republic of China (Taiwan), Japan, Korea international joint conference for radiological technologist. 15th January, Central Taiwan University of Science and Technology, Taichung, Taiwan.
8. Chou FI, Chang HP, Chung RJ, Wei YY, Liu HM, **Hwua YS**, Chi CW, Lui WY and Kai JJ. (2004). Biological efficacy of BPA in malignant and normal liver cells. Eleventh Work Congress on Neutron Capture Therapy, pp.38-pp.39, October 11-15, Westin Hotel-Boston, MA, USA. (Posters Session-Biology).