

**Name: Hwua, Yi-Shi**

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**Education :**

Ph.D., National Tsing Hua University, Institute of Molecular and Cellular Biology, Taiwan, R.O.C.

**Career Experience :**

1. Yuanpei Institute of Science and Technology, Dept. Radiological Technology, Assistant Professor
2. Chung Shan Medical College, Dept. Microbiology, Tutor
3. Taipei City Jen Ai Hospital, Dept. Diagnostic Radiology, Medical Radiological Technologist
4. Tao-Yuan General Hospital, Department of Health, Dept. Nuclear Medicine, Medical Radiological Technologist
5. Mackay Memorial Hospital, Dept. Radiation Oncology, Medical Radiological Technologist

**Courses Taught :**

1. Radiological Technology experiment
2. Special Radiological Technology (experiment)
3. Mammography and Quality Assurance
4. Bone Densitometry

**Professional Fields :**

1. Radiological Technology
2. Mammography and Quality Assurance
3. Bone Densitometry
4. Molecular and Cellular Biology
5. Toxicogenomics
6. Nutrition

**Research Interests :**

1. Bone Densitometry
2. Molecular and Cellular Biology

**Representative Publication in 5 Years :**

**Conference Papers:**

**2016**

1. **Hwua, YS. and Hua, MY.** ◦ (2016) Ultrasound bone measurement: normative values for the 20-year-old population in Taiwan ◦ 2016 年國際學術交流研討會暨第 4 次亞洲放射治療學術論壇。中華民國，台北市。

**2015**

2. **Hwua, YS.** (2015) Compare the role of DXA and ultrasonography in the evaluation of osteoporosis in Taiwanese. 2015 ISCD 21<sup>th</sup> Annual Meeting in California, USA.

3. **Hwua, YS. and Hua, MY.** (2015) The role of DXA and ultrasonography in the evaluation of osteoporosis. The 48<sup>th</sup> Annual Meeting of TWSR and The 22<sup>th</sup> East Asia Conference of Radiological Technologists. Hsinchu City, Taiwan (R.O.C.).

#### **2014**

4. **Hwua, YS.** (2014) Calcaneus Stiffness Index and T-score Cut Point for the Prevention of Osteoporosis. 2014 ISCD 20<sup>th</sup> Annual Meeting in Orlando, Florida, USA.
5. **Hwua, YS.** (2014) Using Calcaneus Stiffness Index to Predict the Incidence of Osteoporosis. 2014 第九屆醫學影像暨放射科學研討會。中華民國，台中市。

#### **2013**

6. **華亦熙**。(2013) 跟骨的僵硬指數與骨質密度之關聯性。中華民國骨質疏鬆症學會 102 年度會員大會暨學術研討會。中華民國，台北市。
7. **華亦熙**。(2013) 台灣人跟骨的僵硬指數。第 46 次年會暨國際醫學影像學術研討會。中華民國，台中市。

#### **2012**

8. **Hwua, YS.** (2012) There is awareness for those people having a normal body mass index by DXA".ISCD 18<sup>th</sup> Annual Meeting in Los Angeles, California, USA.
9. **Hwua, YS.** (2012) Body compositions in Taiwanese. The 19<sup>th</sup> East Asia Conference of Radiological Technologists.

#### **2011**

10. **Hwua, YS.** (2011) Quantitative Calcaneal Ultrasonometry: Normative Data in the Taiwanese Population" has been accepted for a poster presentation at the 2011 ISCD 17<sup>th</sup> Annual Meeting in Miami, Florida, USA.
11. **Hwua, YS.** (2011) Quantitative calcaneal bone mineral density in the Taiwanese. The 18<sup>th</sup> Asia and Australasia conference of radiological technologists.

#### **2010**

12. **Hwua, YS.** (2010) THE AVERAGE PRECISION ERROR OF DUAL ENERGY X-RAY ABSORPTIOMETRY PERFORMED BY MULTIPLE BONE DENSITOMETRY TECHNOLOGISTS.ISCD-NOF Symposium, March 10-13, 2010, in San Antonio, Texas.

13. **Hwua, YS.** (2010) An average least significant change of dual energy X-ray absorptiometry studied by multiple bone densitometry technologists. The 15th East Asia Conference for Radiological Technologists and the 26th Annual Meeting of the Japan Association of Radiological Technologists. July 2-4, 2010, in Tokyo, Japan.

### **2009**

14. **Hwua, YS.** (2009) Effect of spinal height on spinal bone mineral density between with and without hips flexion" has been accepted for a poster presentation at the 2009 ISCD/IOF Joint Meeting in Orlando, Florida, USA.

15. **Hwua, YS.** (2009) Short-Term Precision Studies of Bone Densitometry. 中華民國醫事放射學會第 42 次學術研討會第 11 屆亞東醫事放射師學術交流大會。

### **2008**

16. **Hwua, YS.** (2008) Difference in the spinal bone mineral density measured with and without hips flexion. ISCD 2008 Annual Meeting, March 12-15, 2008. Hyatt San California, USA.

17. **Hwua, YS.** (2008) Quality Control of Dual-energy X-ray Absorptiometry. The 9<sup>th</sup> Japan-Korea- Republic of China International Joint Conference for Radiological Technologists and the 24th Annual Meeting of the Japan Association of Radiological Technologists. July 10-12, 2008, in Sapporo, Japan.

### **2007**

18. **Hwua, YS.** (2007) The precision assessment of dual-energy X-ray absorptiometry (DXA). The 23rd Academic Meeting of JART. June 7-10.2007, in Kanazawa, Japan.

### **2006-1997**

19. **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).

20. **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)

21. 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 14th 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.

22. 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).
23. **Hwua YS**. (2003). The influence of diet on bone mineral density among Chinese adolescent in Taiwan. Conference on Health and Management, pp.39-pp.43, October, Yuanpei Institute of Science and Technology, Hsinchu, Taiwan.
24. **Hwua YS**. (2001). The effect of radioprotector on tumor therapy. Conference on Radiotherapy and Clinical Application, pp.33-pp.43, June, Yuanpei Institute of Science and Technology, Hsinchu, Taiwan.
25. **Hwua YS**. (2001). Molecular mechanisms of DNA lesions and mutations induced by Lead (II) acetate. Conference on Health and Management, pp.A02-1~pp.A02-9, November, Yuanpei Institute of Science and Technology, Hsinchu, Taiwan.
26. **Hwua YS** and Yang JL. (1997). Effect of 3-aminotriazole on the cadmium- and lead-induced anchorage independence in diploid human fibroblasts. American Cancer Society 8th Annual Research Conference. East Lansing, Michigan, September 12-13.
27. Chuang SM, Wang IC, **Hwua YS** and Yang JL (1997). Role of JNK activation in genotoxicity induced by cadmium chloride in mammalian cells. American Cancer Society 8th Annual Research Conference. East Lansing, Michigan, September 12-13.