



## Monruedee Tapanya



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### Work Experience

- 2011-2012 Radiologic Technologist, Chiang Rai Prachanukroh Hospital
- 2018-2021 Radiologic Technologist, Department of Radiologic Technology, Faculty of Associated Medical Science
- 2021-present Lecturer, Department of Radiologic Technology, Faculty of Associated Medical Science

### Education

- Master of Science (Radiation Science), Chiang Mai University, Thailand 2018
- Bachelor of Science (Radiologic Technology), Chiang Mai, University Thailand 2011

### Research Areas of Interest

- Magnetic Resonance Imaging (Quantitative MRI MATLAB)
- Radiation measurement
- Identifying Radon concentrations
- Ultrasound imaging and Fibroscan
- Multi-modal contrast agents and Nanoparticles

### Publications

- Tapanya M, Wantanajittikul K, Ngammuang B, Silvilairat S, Fucharoen S, Paiboonsukwong K, et al. Liver T2\* measurement: The best curve fitting model for ROI based method and Pixel based method, Proceeding of the International Society for Magnetic Resonance in Medicine (ISMRM), Milan, Italy. 2014;22:3138.
- Tapanya M, Wantanajittikul K, Ngammuang B, Silvilairat S, Charoenkwan P, Saekho S. The Evaluation of Liver Iron Overload in  $\beta$ -thalassemia Major Patients Using T2\* Obtained by ROI Based and Pixel Based Methods, Proceeding of the International Graduate Research Conference (IGRC) 2014:HS113-9.
- Wantanajittikul K, Saekho S, Phrommintikul A, Theera-Umporn N, Auephanwiriayukul S, Tapanya M, et al. Fully automatic cardiac T2\* relaxation time estimation using marker-controlled watershed, Proceedings - 5th IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2015:377-82.
- Tungjai M, Kaewjaeng S, Jumpee C, Sriburee S, Hongsriti P, Tapanya M, et al. Bone mineral density at distal forearm in men over 40 years of age in Mae Chaem district, Chiang Mai Province, Thailand: a pilot study. Aging Male. 2017;20(3):170-4.
- บุษกมล งามเมือง, กิตติชัย วรชนะจิตติกุล, มลฤดี ทาปัญญา, สุขญา ศิลป์วิไลรัตน์, พิมพ์ลักษณ์ เจริญขวัญ, และ สุวิทย์ แซ่ไ้้ว. “เทคนิคใหม่ในการแก้ความไม่สม่ำเสมอของสนามแม่เหล็กของค่า T2\* จากการสร้างภาพเอ็มอาร์” วารสารเทคนิคการแพทย์และกายภาพบำบัด 2018;3:370-80.
- Sriburee S, Tungjai M, Padngam S, Thumvijit T, Hongsriti P, Tapanya M, et al. Distal Forearm Bone Mineral Density Among Hill Tribes in the Omkoi District, Chiang Mai Province, Thailand. The Open Public Health Journal. 2019;12(1):1-6.
- Phatruengdet T, Intakhad J, Tapanya M, Chariyakornkul A, Hlaing CB, Wongpoomchai R, et al. MRI contrast enhancement of liver pre-neoplasia using iron-tannic nanoparticles. RSC Adv. 2020;10(58):35419-25.
- Thumvijit T, Chanyotha S, Sriburee S, Hongsriti P, Tapanya M, Kranrod C, et al. Identifying indoor radon sources in Pa Miang, Chiang Mai, Thailand. Sci Rep. 2020;10(1):17723.
- Jaikumkao K, Promsan S, Thongnak L, Swe MT, Tapanya M, Htun KT, et al. Dapagliflozin ameliorates pancreatic injury and activates kidney autophagy by modulating the AMPK/mTOR signaling pathway in obese rats. J Cell Physiol. 2021;236(9):6424-40.