Duanghathai Pasanta

B.Sc, M.Sc
Department of Radiologic Technology
Chiang Mai University

Research interest

I am interested in functional Magnetic Resonance Spectroscopy (fMRS) from basics fMRS methodology to application in clinical population. I apply these techniques in hope to ultimately learn how neurometabolite dynamics (GABA/Glutamate) within the brain affects behavioral response, especially in tactile processing abnormality which is often observed in people with neurodevelopmental disorders (like ASD and ADHD).

CONTACT

Address:
Faculty of Associated Medical Sciences
Radiologic technology department
110 Intha Warorot Rd., Si Phum,
Muang District,Chiang Mai Thailand,
50200

Office:
053-949314

Email:
duanghathai.pa@gmail.com

Keywords

Magnetic Resonance Spectroscopy

Magnetic Resonance Imaging

functional MRS

Metabolomics

EDUCATION

Master of Science 2019 - 2020	Neuroscience l King's College London PASS WITH DISTINCTION
Master of Science 2016 - 2018	Medical Radiation Sciences l Chiang Mai University
Bachelor of Science 2012 - 2016	Radiologic Technology l Chiang Mai University FIRST CLASS HONS.

Selected Publications

- **Pasanta, D.**; Htun, K.T.; Pan, J.; Tungjai, M.; Kaewjaeng, S.; Chancharunee, S.; Tima, S.; Kim, H.J.; Kæwkhao, J.; Kothan, S. Waist Circumference and BMI Are Strongly Correlated with MRI-Derived Fat Compartments in Young Adults. Life 2021, 11, 643. https://doi.org/10.3390/life11070643
- Htun, K.T.; Pan, J.; **Pasanta, D.**; Tungjai, M.; Udomtanakunchai, C.; Chancharunee, S.; Kaewjaeng, S.; Kim, H.J.; Kaewkhao, J.; Kothan, S. Identification of Metabolic Phenotypes in Young Adults with Obesity by 1H NMR Metabolomics of Blood Serum. Life 2021, 11, 574. https://doi.org/10.3390/life11060574
- **Pasanta, D.**, Htun, K., Pan, J., Tungjai, M., Kaewjaeng, S., Kim, H., Kaewkhao, J. and Kothan, S., 2021. Magnetic Resonance Spectroscopy of Hepatic Fat from Fundamental to Clinical Applications. Diagnostics, 11(5), p.842.
- **Pasanta, D.**, Chancharunee, S., Tungjai, M., Kim, H. J., & Kothan, S. (2019). Effects of obesity on the lipid and metabolite profiles of young adults by serum (1)H-NMR spectroscopy. PeerJ, 7, e7137-e7137. doi:10.7717/peerj.7137
- **Pasanta, D.**, Tungjai, M., Chancharunee, S., Sajomsang, W., & Kothan, S. (2018). Body mass index and its effects on liver fat content in overweight and obese young adults by proton magnetic resonance spectroscopy technique. World Journal Of Hepatology, 10(12), 924-933. doi: 10.4254/wjh.v10.i12.924