CURRICULUM VITAE

Chanon Puttanawarut

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Citizenship: Thai

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Working Experiences:

2018-Present: Doctor at Ramathibodi hospital. Research in signal processing, image processing and machine learning. Lecturer in medical physics department. Lecturer in Program in Data Science for Healthcare and Clinical Informatics (International Program) Department of Clinical Epidemiology & Biostatistics.

2022: Data scientist at Popmed limited

2023-Present: Software developer parttime at Invitrace company limited

Academic Qualifications:

    2018-2022: Doctor of Philosophy, Biomedical engineer, Mahidol University

    2012-2018: Doctor of Medicine, Ramathibodi hospital, Mahidol University

Awards and certifications:

- Second prize, CYBATHLON BCI racing game in CYBATHLON 2020 global edition
- Coursera: Mathematic for machine learning specialization, Deep learning specialization, DeepLearning AI TensorFlow developer specialization, AI for medicine specialization, Google IT Support professional certificate

Publication:

1. Puttanawarut C, Sirirutbunkajorn N, Tawong N, et al. Radiomic and Dosiomic Features for the Prediction of Radiation Pneumonitis Across Esophageal Cancer and Lung Cancer. Frontiers in Oncology. 2022 ;12:768152. DOI: 10.3389/fonc.2022.768152. PMID: 35251959; PMCID: PMC8889567.

2. Puttanawarut, C., Sirirutbunkajorn, N., Khachonkham, S. *et al.* Biological dosiomic features for the prediction of radiation pneumonitis in esophageal cancer patients. *Radiat Oncol* **16**, 220 (2021). https://doi.org/10.1186/s13014-021-01950-y

3. Puttanawarut C, Sirirutbunkajorn N, Tawong N, Khachonkham S, Pattaranutaporn P, Wongsawat Y. Impact of Interfractional Error on Dosiomic Features. Front Oncol. 2022 Jun 10;12:726896. doi: 10.3389/fonc.2022.726896. PMID: 35756677; PMCID: PMC9231355.

4. Kamonchanok A, Suphaphong S, Puttanawarut C, Jiarpinitnun C, Stansook N, Khachonkham S. Validation of image registration accuracy using TG-132 virtual phantoms. Journal of Medical Imaging and Radiation Sciences. 2022 Dec;53(4):S61.