TIAN LI

Research Assistant Professor
Department of Health Technology and Informatics
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EDUCATION

PhD degree in Medical Physics (The Hong Kong Polytechnic University) *2020*
MSc degree in Medical Physics (Duke University) *2016*
BSc degree in Chemical Biology (Peking University) *2014*

WORK EXPERIENCE

Research Assistant Professor, HTI, PolyU, Hong Kong, China *2021 - present*

Clinical Medical Physicist, Beijing Cancer Hospital, Beijing, China *2016 - 2018*

Research Interests

- Magnetic Resonance Imaging (4D, Magnetic Resonance Fingerprinting, etc.)
- AI in medical imaging
- Radiomics
- Radiation therapy

Awards

- Faculty Distinguished Thesis Award, FHSS, PolyU 2021
- HTI Postgraduate Symposium (1st place), PolyU 2020
- Hong Kong Innovation Day (3rd place), PolyU 2019
- HTI Postgraduate Symposium (3rd place), PolyU 2019
- Hong Kong Ph.D. Fellowship Scheme, RGC, Hong Kong 2018
- Merit-based scholarship, Duke University 2015, 2014
- Medical physics summer scholarship, Duke University 2015
- Outstanding student cadre, Yuanpei program, Peking University 2014

Publications

[1] Ren G, Zhang J, **Li T**, Xiao HN, Yin Cheung AL, Ho WY, Qin J, Cai J. Deep Learning-Based Computed Tomography Perfusion Mapping (DL-CTPM) for Pulmonary CT-to-Perfusion Translation. International Journal of Radiation Oncology*Biology*Physics, 2021.

[2] **Li T**, Cui D, Hui ES, Cai J, Time-Resolved Magnetic Resonance Fingerprinting for Respiratory Motion Imaging, Medical Physics, 47(12): 6286-6293.

[3] Han S, Liang X, **Li T**, Yin F and Cai J, Slice-stacking T2-weighted MRI for Fast Determination of Internal Target Volume for Liver Tumor, Quantitative Imaging in Medicine and Surgery, 11(1): 32-42.

[4] Li D, Liu R, Wei S, **Li T**, Cai J and Ge H, Infection prevention and control measures during COVID-19 from medical physics perspective: A single institution experience from China, J Appl Clin Med Phys (IF: 1.679), 21: 221-222 (2020).

[5] Huang Y, Li S, Yue H, Wang M, Hu Q, Wang H, **Li T**, Li C, Wu H and Zhang Y, Impact of nominal photon energies on normal tissue sparing in knowledge-based radiotherapy treatment planning for rectal cancer patients, PLoS One, 14 (3): e0213271 (2019).

[6] Wang M, Li S, Huang y, Yue H, **Li T**, Wu H, Gao S and Zhang Y, An interactive plan and model evolution method for knowledge-based pelvic VMAT planning, Journal of Applied Clinical Medical Physics, 19 (5): 491-498 (2018).