

Name	Monchai Phonlakrai, Ph.D.				
Thai name	อาจารย์ ดร.มนต์ชัย พลไกร				
Position	Lecturer				
Responsibility for School	1. The executive committee, School of Radiological Technology 2. The person responsible for academic and professional service				
Email	Monchai.pho@cra.ac.th				
Expertise	Magnetic Resonance Imaging				
Research Interest	Quantitative MRI/CT, MRI in Radiotherapy, Quantitative PET/MRI, and AI in Medical Imaging				
Educational Background					
Education level	Graduation year	Education field	University/School	Province	Country
Doctoral degree	2023	Ph.D. Magnet Resonance in Medicine	The University of Newcastle, Australia	New South Wales	Australia
Master's degree	2011	M.Sc. Information Technology	King Mongkut's University of Technology Thonburi	Bangkok	Thailand
Bachelor's degree	2006	B.Sc. Radiological Technology	Mahidol University	Phitsanulok	Thailand
Upper secondary education					
Lower secondary education					
Work Experience					
Start year	End year	Position	Organization	Province	Country
2016	present	Lecturer	Chulabhorn Royal Academy	Bangkok	Thailand
Publication					
Year	Journal name	Title			
2023	Journal of Medical Radiation Sciences	Phonlakrai, M., Ramadan, S., Simpson, J., Gholizadeh, N., Arm, J., Skehan, K., ... & Greer, P. (2023). Determination of hepatic extraction fraction with gadoxetate low-temporal resolution DCE-MRI-based deconvolution analysis: validation with ALBI score and Child-Pugh class. <i>Journal of Medical Radiation Sciences</i> , 70, 48-58.			

2023	Journal of Applied Clinical Medical Physics	Phonlakrai, M. , Ramadan, S., Simpson, J., Skehan, K., Goodwin, J., Trada, Y., ... & Greer, P. (2023). Non-contrast based approach for liver function quantification using Bayesian-based intravoxel incoherent motion diffusion weighted imaging: A pilot study. <i>Journal of Applied Clinical Medical Physics</i> , 24(11), e14178.
2023	Journal of Applied Clinical Medical Physics	Tangruangkiat, S., Chaiwongkot, N., Pamarapa, C., Rawangwong, T., Khunnarong, A., Chainarong, C., ... & Phonlakrai, M. (2024). Diagnosis of focal liver lesions from ultrasound images using a pretrained residual neural network. <i>Journal of Applied Clinical Medical Physics</i> , 25(1), e14210.
2023	Journal of Radiology Nursing	Phonlakrai M , Panyam O, Pakdee Y, Viboonsak N, Wongsak K, Patanawanitkul R, Udomchaisakul P, Poontanaphaisankun B, Moonmuang K, Kawvised S. Assessing Patient and Caregiver Knowledge and Satisfaction on Transcatheter Arterial Chemoembolization Using Video-Based Education. <i>Journal of Radiology Nursing</i> . 2023 Sep 1;42(3):361-7.
2024	Journal of Medical Imaging and Radiation Sciences	Phonlakrai, M. , Zengkeaw, K., Nuangchamnong, N., Kulpakdee, N., & Kawvised, S. (2024). Effectiveness of smartphone applications for magnetic resonance imaging learning among radiological technology students: An alternative tool for enhancing knowledge. <i>Journal of Medical Imaging and Radiation Sciences</i> , 55(4), 101727.
Teaching Course		
Student level	Course code	Course name
Undergraduate	312	Magnetic Resonance Imaging
Graduate	512	Physics of Diagnostic and Interventional Radiology