Name	Napat Ritlumlert, Ph.D.
Thai name	อาจารย์ ดร.ณภัทร ฤทธิ์ล้ำเลิศ
Position	Lecturer
Responsibility for School	1. The Executive Committee of School of Radiological Technology 2. The person responsible for academic affairs
Email	napat.rit@cra.ac.th
Expertise	Diagnostic Radiology
Research Interest	Diagnostic radiology, Radiation dose, Radiomics and Machine Learning in medical application

Educational Background

Education level	Graduation year	Education field	University/School	Province	Country
Doctoral degree	2023	Ph.D. Biomedical Engineering	Chulalongkorn University	Bangkok	Thailand
Master's degree	2012	M.Sc. Medical Imaging	Chulalongkorn University	Bangkok	Thailand
Bachelor's degree	2005	B.Sc. Radiological Technology	Mahidol University	Bangkok	Thailand
Upper secondary education	2001		Sura Nari Wittaya School	Nakhon Ratchasima	Thailand
Lower secondary education	1998		Sura Nari Wittaya School	Nakhon Ratchasima	Thailand

Work Experience

Start year	End year	Position	Organization	Province	Country
2017	present	Lecturer	Chulabhorn Royal Academy	Bangkok	Thailand
2013	2017	Radiological Technologist	Chulabhorn hospital	Bangkok	Thailand
2006	2009	Radiological Technologist	Phyathai 2 hospital	Bangkok	Thailand

Publication

Year	Journal name	Title
2018	Journal of The Medical	Vidhyarkorn, S., Thitisitthikorn, W., Tangruangkiat, S., Phonlakrai, M., **Ritlumlert, N.,** & Siripongsakun, S. (2018). Ultrasonography Detection of Liver Lesions: A Pilot Comparison Study between

	Association of Thailand	Radiologists and Sonographers. Journal of the Medical Association of Thailand, 101.
2018	Journal of Gastroenterology and Hepatology	Siripongsakun S, Vidhyarkorn S, Charuswattanakul S, Mekraksakit P, Sungkasubun P, Yodkhunnathum N, Tangruangkiat S, **Ritlumlert N,** Sricharunrat T, Jaroenpatarapesaj S, Soonklang K. Ultrasound surveillance for cholangiocarcinoma in an endemic area: A prove of survival benefits. Journal of gastroenterology and hepatology. 2018 Jul;33(7):1383-8.
2019	Journal of Health Science and Medical Research	Promduang, A., Pongnapang, N., **Ritlumlert, N.,** Tangruangkiat, S., & Phonlakrai, M. (2019). A study of entrance surface air kerma for patients undergoing chest and abdomen from digital radiography at Chulabhorn Hospital. Journal of Health Science and Medical Research, 37(1), 51-60.
2020	Journal of Health Science and Medical Research	**Ritlumlert, N.,** Tangruangkiat, S., Phonlakrai, M., Kawvised, S., Pairodsantikul, P., & Vidhyarkorn, S. (2020). Assessment of average glandular dose received in full-field digital mammography and digital breast tomosynthesis. Journal of Health Science and Medical Research, 38(2), 115-123.
2022	Journal of Health Science and Medical Research	**Ritlumlert N**, Tweeatsani N, Jongjirasiri S, Kittikhemakorn T, Chaiwongkot N, Pairodsantikul P, Luangphiphat W, Sen-ngam K, Muangsillapasart V, Khitkhem P, Wijarn N. Evaluation of radiation dose in computed tomography angiography before transcatheter aortic valve implantation. Journal of Health Science and Medical Research. 2023 Jan 30;41(2):2022910.
2023	Journal of Associated Medical Sciences	**Ritlumlert SK**, Piantham PP, Tweeatsani N, Luangphiphat W, Sirilak KS, Saenprom SB, Narapanyakul R. Patient radiation dose from fluoroscopic-guided transcatheter cardiac aortic valve implantation procedure: A single-center study in Thailand. Journal of Associated Medical Sciences. 2023;56(1):167-75.
2023	Scientific Reports	**Ritlumlert N**, Wongwattananard S, Prayongrat A, Oonsiri S, Kitpanit S, Kannarunimit D, Chakkabat C, Lertbutsayanukul C, Sriswasdi S, Rakvongthai Y. Improved prediction of radiation-induced hypothyroidism in nasopharyngeal carcinoma using pre-treatment CT radiomics. Scientific Reports. 2023 Oct 14;13(1):17437.
2023	Proceedings of the 2023 7th International Conference on Medical	**Ritlumlert N**, Wongwattananard S, Prayongrat A, Kitpanit S, Kannarunimit D, Chakkabat C, Lertbutsayanukul C, Sriswasdi S, Rakvongthai Y. Using CT image-based biomarkers to improve the prediction of hypothyroidism after nasopharyngeal radiotherapy: a preliminary result. InProceedings of the 2023 7th International

	and Health Informatics	Conference on Medical and Health Informatics 2023 May 12 (pp. 270-273).
2023	Journal of Health Science and Medical Research.	Komany K, Kirisattayakul W, **Ritlumlert N**, Tangruangkiat S, Pairodsantikul P, Teankuae S, Kawvised S. Effectiveness of a Developed In-House Breast Phantom in Enhancing the Knowledge of Mammographic Positioning in Radiologic Technology Students: A Quasi-Experimental Study in Thailand. Journal of Health Science and Medical Research. 2024 Mar 19;42(3):20231017.
2024	Journal of Radiation Research	Wongwattananard S, Prayongrat A, Srimaneekarn N, Hayter A, Sophonphan J, Kiatsupaibul S, Veerabulyarith P, Rakvongthai Y, **Ritlumlert N**, Kitpanit S, Kannarunimit D. A multivariable normal tissue complication probability model for predicting radiation-induced hypothyroidism in nasopharyngeal carcinoma patients in the modern radiotherapy era. Journal of Radiation Research. 2024 Jan;65(1):119-26.
2024	Scientific Reports	Chantadisai M, Wongwijitsook J, **Ritlumlert N**, Rakvongthai Y. Combined clinical variable and radiomics of post-treatment total body scan for prediction of successful I-131 ablation in low-risk papillary thyroid carcinoma patients. Scientific Reports. 2024 Feb 29;14(1):5001.
2025	BMC Medical Imaging	Teeraakaravipas A, **Ritlumlert N,** Rakvongthai Y, Paprad T, Lertbutsayanukul C, Jittapiromsak N. The use of diffusion-weighted magnetic resonance imaging and parametric response mapping for disease outcome prediction in nasopharyngeal carcinoma. BMC Medical Imaging. 2025 Dec;25(1):1-3.
Teaching Course		
Student level	**Course code**	**Course name**
Undergraduate	CHRT303	Patient care in radiology
Undergraduate	CHRT304	General Radiography
Undergraduate	CHRT311	Computed Tomography
Undergraduate	HTRT1105	Radiographic imaging
Undergraduate	HTRT 1201	Instrument and Quality Control in Diagnostic Radiology
Undergraduate	PSMP 512	Physics of Diagnostic and Interventional Radiology
Undergraduate	HTRT 1108	Radiation protection