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국문 강연제목: 치매와 노화 연구를 위한 뇌영상 기반 딥러닝 모델 개발

영문 강연제목: Neuroimaging-based Deep Learning Research in Dementia and
Normal aging

Abstract

Healthcare is an area with great opportunity for Artificial Intelligence. Particularly, the vast volumes of neuroimaging data generated in healthcare and advancements in machine learning techniques have been augmenting our abilities in the analysis and interpretation of neuroimaging data, aiding researchers and clinicians in diagnosing, treating, and monitoring patients with neurological disorders. This talk will cover the speaker's recent studies in developing neuroimaging-based AI models for investigating dementia and normal aging.

Brief Biosketch

Dr. Jeyeon Lee received his Ph.D. degree in Biomedical Engineering at Hanyang University in 2017. Following doctoral study, he worked as a postdoctoral fellow and assistant professor at Mayo Clinic from 2017 to 2023. He is now an assistant professor in the Department of Biomedical Engineering, College of Medicine at Hanyang University. His current research involves developing a digital healthcare system as a clinical decision support tool, particularly using neuroimaging and electrophysiology data.