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강연제목: COVID-19 가 남긴 흔적: 자율신경계에 미치는 장기적 영향

The legacy of COVID-19: Long-Term Effects on Our Autonomic Nervous System

Abstract:

The lingering symptoms of COVID-19 have been associated with a wide range of neurological manifestations, including headaches, anosmia, fatigue, and altered cognitive states. Notably, these symptoms can persist for several months. This condition is commonly termed as post-COVID-19 condition (PCC). The symptoms of PCC resemble those present in chronic dysautonomia, which includes changes in heart rate, dyspnea, and chronic fatigue, suggesting that the virus may impact the autonomic nervous system (ANS). In this context, we aim to investigate whether PCC affects the ANS through a multimodal experimental approach.

Brief Biosketch

<Education & Career>

- **Assistant Professor**, Department of Artificial Intelligence Convergence, Hallym University
- **Postdoctoral Researcher**, Department of Bioengineering, McGill University
- **Ph.D**, Department of Electronics and Information Engineering, Korea University
- **Visiting Researcher**, Department of Software Engineering and Theoretical Computer Science, Technical University of Berlin (Machine Learning Laboratory)
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<Keywords of Research Interests>

Machine-learning/deep-learning algorithm; Computational biomedical signal analysis; Neuromodulation & rehabilitation; Human-computer interaction (HCI)