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강연제목: 전자약 유효성 평가를 위한 자율신경계 분석

Autonomic nervous system analysis to evaluate the effectiveness of Electroceuticals

Abstract:

Autonomic nervous system analysis is a method that can scientifically prove the safety and effectiveness of Electroceuticals by systematically analyzing what changes Electroceuticals cause in the nervous system and whether those changes have a positive effect on the treatment of Neurological disorder. Additionally, this research could play an important role in legitimizing the use of Electroceuticals in the medical field and developing better treatment methods. In this study, we discovered biomarkers that can evaluate various Neurological disorder through HRV analysis, one of the autonomic nervous system analysis methods, and verified the treatment effects of Neurological disorder through various Electroceuticals treatment methods.

Brief Biosketch

Dr. Sung Jun Hong is currently and senior specialist at Biomedical engineering Research Center at Samsung Medical Center. He received his B.S. from Inje University majored in Biomedical Engineering. He got his M.S. and Ph.D. from Hanyang University from Biomedical Engineering. He had worked as a hardware engineer in CU Medical Systems in 2013 to 2014 and he had worked as an Assistant Researcher in OSONG Medical Innovation Foundation in 2018 to 2022. His currently research topic include Evaluating the effectiveness of neuromodulation technology through analysis of the autonomic nervous system. Additionally, he is interesting in developing a closed-loop system for personalized neuromodulation system through analysis of the autonomic nervous system.