An Overview of Huntington's Disease using Machine Learning

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Abstract: *Huntington's disease (HD) is one of the rare neurodegenerative diseases caused because of genetic mutation of the Huntington gene and also characterized by progressive motor dysfunction, cognitive impairment, and psychiatric symptoms. Since no cure is possible and only symptomatic therapy is available, early detection and individualized therapy are guaranteed for effective disease treatment. Artificial intelligence has emerged as a transformative tool in healthcare, revolutionizing many aspects of medical practice and research, enabling the detection, monitoring and treatment of Huntington's disease. Additionally, this paper serves as a valuable resource for researchers in the field of machine learning and neurodegenerative disease detection, as well as healthcare professionals.*

Keywords: Huntington's disease (HD), neurodegenerative diseases, Artificial intelligence