

# A Brief over View on Prevention, Diagnosis and Treatment of Huntington's Brain Disorder

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Huntington's disease (HD) is a neurodegenerative disorder characterized by motor, cognitive, and psychiatric symptoms. The motor symptoms include chorea, which is a hallmark feature of HD. The cognitive symptoms include a progressive decline in cognitive function, leading to dementia. The psychiatric symptoms include mood and personality changes, such as depression and irritability. The pathogenesis of HD is primarily due to a mutation in the huntingtin gene, which results in an expanded CAG repeat. This mutation leads to the production of a mutant huntingtin protein that aggregates and causes neuronal damage. The diagnosis of HD is based on clinical symptoms and genetic testing. The treatment of HD is primarily symptomatic, focusing on managing the motor, cognitive, and psychiatric symptoms. There is currently no cure for HD, but ongoing research is focused on developing disease-modifying therapies that target the underlying pathogenesis.

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