

Mitochondrial dysfunction in neurodegenerative disorders

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20426197&lokasi=lokal>

Abstrak

As age related diseases increase in prevalence and impact more significantly on medical resources it is imperative to understand these diseases and the mechanisms behind their progression. New research has stimulated a growing interest in mitochondrial involvement in neurodegenerative disorders such as parkinson's disease, alzheimer's disease and multiple sclerosis and the mechanisms which lead from mitochondrial dysfunction to neurodegeneration. Mitochondrial dysfunction in neurodegenerative disorders brings together contributions from leaders in the field internationally on the various ways in which mitochondrial dysfunction contributes to the pathogenesis of these diseases, guiding the reader through the basic functions of mitochondria and the mechanisms that lead to their dysfunction, to the consequences of this dysfunction on neuronal function before finishing with the modelling of these disorders and discussion of new potential therapeutic targets.