

# Mitochondrial Disorders Caused By Nuclear Genes

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Mitochondrial cytopathies are mutations in the inherited maternal mitochondrial genome, or the nuclear DNA-mutation. Mitochondrial respiratory chain disorders (RCD) are a group of genetically and clinically heterogeneous diseases, due to the fact that protein components of the respiratory chain are encoded by both mitochondrial and nuclear genomes and are essential in all cells. In addition, the biogenesis, structure and function of mitochondria, including DNA replication, transcription, and translation, all require nuclear encoded genes. Since mitochondria are present in every cell, every tissue, mitochondrial disorder usually affects multiple organs. EAN/ISBN : 9781461437222 Publisher(s): Springer, Berlin, Springer, New York Discussed keywords: Mitochondrien Format: ePub/PDF Author(s): Wong, Lee-Jun C.

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