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OXPHOS is carried **out** in the inner **mitochondrial** membrane (IMM) by a complex structure denominated **respiratory chain** (RC). As the term suggests, OXPHOS can be divided into two distinct reactions: an oxidative exergonic pathway called respiration which feeds a second pathway consisting of phosphorylation of ADP into ATP.

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(PDF) Liver Disease in Mitochondrial Disorders

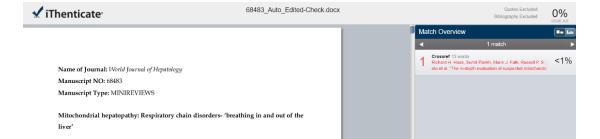
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A) Photomicrograph of liver biopsy from a 3-month-old child with POLG mutations and mitochondrial DNA depletion syndrome, showing microvesicular steatosis, cholestasis with bile pigment in ...

Gastrointestinal manifestations of mitochondrial disorders: a systematic review - Josef Finsterer, Marlies Frank, 2017

https://journals.sagepub.com/doi/full/10.1177/1756283X16666806

Mitochondrial disorders (MIDs) due to respiratory-chain defects or nonrespiratory chain defects are usually multisystem conditions [mitochondrial multiorgan disorder syndrome (MIMODS)] affecting the central ne...



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Jul 18, 2005 · Mitochondrial respiratory chain is the result of the interplay of two physically and functionally separated genomes, the nuclear DNA and the mtDNA. Human mtDNA is a 16.6 kb circular double-stranded DNA containing only 37 genes.

Cited by: 145 Author: Antonella Spinazzola, Massimo Zeviani

Publish Year: 2005



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Liver Hemosiderosis - an overview | ScienceDirect Topics

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