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www.mitocanada.org

* Please make Cheque or Money Order payable to MitoCanada

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Mito facts:

Research has determined strong links between mitochondrial dysfunction and other common diseases, such as Cancer, Autism, ALS, Alzheimer's and Parkinson's.

1 in 6000 people is impacted by Mitochondrial Disease. It is estimated that less than 10% of them are diagnosed.

Mitochondrial Disease affects both children and adults.

Symptoms can appear anytime in life.

The severity of symptoms varies significantly and affects everyone differently.

There is no cure: treatment consists of a vitamin cocktail and various therapies.

Mitochondrial Diseases are inherited or caused by a point mutation before birth.

Mitochondria contain 2 types of genetic material:

1. Mitochondrial mtDNA (which can only be passed on from the mother).
2. Nuclear nDNA (which is passed on from both parents).

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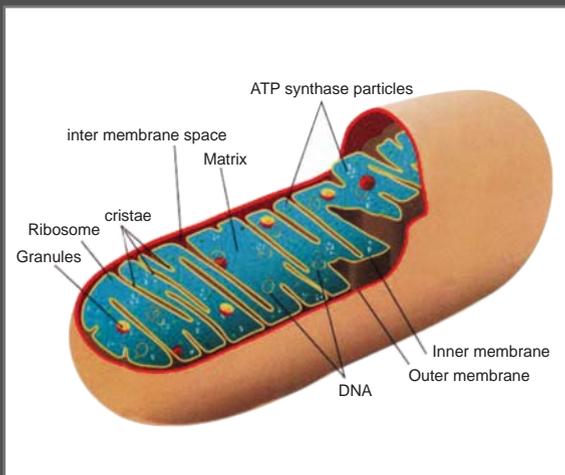
Information about Mitochondrial Disease and MitoCanada

www.mitocanada.org

Charitable #81258 6667 RR0001

What is Mitochondrial Disease?

Mitochondria are considered the “Powerhouse” of cells and are responsible for creating more than 90% of the energy required to sustain life and support growth. Mitochondrial Diseases results from failures of the mitochondria and appear to cause damage to cells of the brain, heart, liver, skeletal muscles, kidney and the endocrine and respiratory systems. Mitochondrial Diseases are the result of either inherited or spontaneous mutations in mtDNA or nDNA. **There is no cure for Mitochondrial Disease.**



“Although some people may feel that mitochondrial disorders are rare, it is now clear that they affect at least 1 in 6,000 individuals and as we learn more about mitochondrial disease this number will undoubtedly increase. By relative comparison, mitochondrial diseases are vastly under supported and under recognized and yet they touch the lives of far more people in Canada than many other disorders, ” - Dr. Tarnopolsky, McMaster Children’s Hospital, Division Head of Neuromuscular & Neurometabolic Disorders.

What you can do:

- ✓ Educate yourself about Mitochondrial Disease.
- ✓ Be an advocate for your health and the health of your family.
- ✓ Use the many resources available to children and adults.
- ✓ Life balance is important...don't forget to look after yourself.

MitoCanada is a registered charity that provides awareness and support, while also promoting the advancement of Mitochondrial Disease research.

AWARENESS

- Educating the public and medical community about Mitochondrial Disease.
- Establishing the 3rd week of September as Mitochondrial Disease Awareness week.

SUPPORT

- Our website provides links to resources for families across Canada.
- MitoCanada connects families living with Mitochondrial Disease and has an established Peer Support program.

RESEARCH

- Fundraising to support research for Mitochondrial Disease.
- MitoCanada awards funding to Canadian Researchers annually.

