Leber Hereditary Optic Neuropathy

Leber hereditary optic neuropathy (LHON) is a mitochondrial disease that causes optic atrophy. It typically affects adolescent males, who may present with painless vision loss.



PLAY PICMONIC

Characteristics

Mitochondrial Disease
Damaged Mitochondria
Mitochondrial diseases occur from defects in mitochondrial DNA. LHON is one of these diseases, which leads to dysfunction in mitochondrial energy production.

Optic Atrophy
Optics-@-Trophy
LHON is characterized by optic nerve fiber atrophy. This is most pronounced in the papillomacular bundle, which can lead to central scotomas.

Adolescent Males
Adolescent Male
This disease most often occurs in male adolescents, between 12-18 years of age.

Symptoms/Findings

Painless Vision Loss
No Pain-bolt Sign Darkened-Eye-Smiling
Painless vision loss can be a feature of LHON. The vision loss starts in one eye and gradually affects the other.

Sign up for FREE at picmonic.com