

LEBER'S HEREDITARY OPTIC NEUROPATHY (LHON)

WHAT IS LHON?

A rare, maternally-inherited progressive disease resulting in irreversible loss of visual acuity and blindness

LHON is a severely disabling disease of the eye leading to blindness in approximately **80% OF PATIENTS** within one year after the onset of symptoms^{1,4,5,7}

IMPACT

Deterioration in vision can have negative effects on⁹

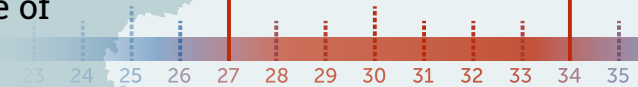


A VERY RARE DISEASE



LHON can affect males and females of all ages, but is most commonly diagnosed in young men with an average age of disease onset between

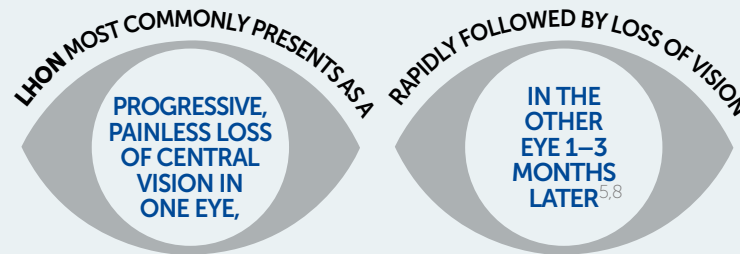
27 and 34 years



Current symptomatic prevalence of LHON in Europe is approximately

2 in 100,000^{1-3,6}

SIGNS AND SYMPTOMS



An early diagnosis of LHON offers patients the best chance for their condition in the long term⁵

MANAGEMENT



The European Medicines Agency (EMA) is responsible for the evaluation of medicines developed for use in the EU¹⁰

MANY LHON PATIENTS SELF-MEDICATE WITH INTERNET-SOURCED VITAMINS, FOOD SUPPLEMENTS AND PRODUCTS THAT HAVE NOT BEEN THROUGH THE RIGOURS OF THE EMA SCIENTIFIC EVALUATION



FOR FURTHER INFORMATION ON THE MANAGEMENT OF LHON AND APPROVED TREATMENTS THAT CAN **PREVENT AND/OR REVERSE VISION LOSS**, PLEASE CONSULT YOUR LOCAL NEURO-OPHTHALMOLOGIST

References: 1. Mascialino B, et al. *Eur J Ophthalmol* 2012;22:461-5; 2. OMIM. Leber optic atrophy. <http://omim.org/entry/535000>. Accessed March 2016; 3. EMA. Public summary of opinion on orphan designation: idebenone for the treatment of LHON. 2011. http://www.ema.europa.eu/docs/en_GB/document_library/Orphan_designation/2009/11/WC500006543.pdf. Accessed March 2016; 4. Yu-Wai-Man P, et al. *Prog Retin Eye Res* 2011;30:81-114; 5. Sadun A, et al. *Expert Rev Ophthalmol* 2012;7:251-9; 6. EMA. EMA/COMP position on review of criteria for orphan designation. Raxone (Idebenone). http://www.ema.europa.eu/docs/en_GB/document_library/Orphan_designation/2009/11/WC500006543.pdf. Accessed March 2016; 7. Yu-Wai-Man P, et al. *Eye (Lond)* 2014;28:521-37; 8. Yu-Wai-Man P, et al. *J Med Genet* 2009;46:145-58; 9. Nazroo J, et al. Changes in vision in older people: causes and impact. <http://www.pocklington-trust.org.uk/Resources/Thomas%20Pocklington/Documents/PDF/Research%20Publications/rf49-changes-in-vision-in-older-people-elsa-3.pdf>. Accessed March 2016; 10. EMA. <http://www.ema.europa.eu/ema/>. Last accessed March 2016

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