

Traumatic optic neuropathy treatment

Clinical interventions for [traumatic optic neuropathy](#) include [observation](#) only, treatment with [corticosteroids](#) alone, or [optic canal decompression](#) (with or without steroids). There is controversy in clinical practice concerning which treatment is the best.

The data in the literature to date has not shown any treatment to be superior to observation ^{1) 2)}.

New findings of laboratory studies such as mitochondrial therapy, lipid change studies, and other studies in favor of TON therapy have also been identified ³⁾.

Surgery

see [Optic canal decompression](#)

¹⁾

Wladis EJ, Aakalu VK, Sobel RK, McCulley TJ, Foster JA, Tao JP, Freitag SK, Yen MT. Interventions for Indirect Traumatic Optic Neuropathy: A Report by the American Academy of Ophthalmology. Ophthalmology. 2020 Nov 6:S0161-6420(20)31041-1. doi: 10.1016/j.ophtha.2020.10.038. Epub ahead of print. PMID: 33161071.

²⁾

Chaon BC, Lee MS. Is there treatment for traumatic optic neuropathy? Curr Opin Ophthalmol. 2015 Nov;26(6):445-9. doi: 10.1097/ICU.000000000000198. PMID: 26448040.

³⁾

Chen B, Zhang H, Zhai Q, Li H, Wang C, Wang Y. [Traumatic optic neuropathy](#): a [review](#) of current studies. Neurosurg Rev. 2022 Jan 16. doi: 10.1007/s10143-021-01717-9. Epub ahead of print. PMID: 35034261.

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Last update: **2024/06/07 02:52**

