

1. Orbit. 2018 Jan 4:1-4. doi: 10.1080/01676830.2017.1423346. [Epub ahead of print]

Intracranial hypotension mimicking chronic progressive external ophthalmoplegia

Vahdani K1, McVeigh K1, Harrison R1, Williams M2, Garrott H1.

Author information:

1. a Department of Oculoplastics and Orbital Surgery , Bristol Eye Hospital , Bristol , UK.
2. b Radiology Department , Bristol Royal Infirmary , Bristol , UK.

Abstract

Intracranial hypotension (ICH) is characterized by low cerebrospinal fluid pressure, postural headaches, and diffuse pachymeningeal enhancement on magnetic resonance imaging (MRI). A variety of ophthalmoparetic manifestations have been reported in the context of the ICH. The authors describe an unusual case of a 64-year-old woman who presented with rapid onset of headaches, bilateral upper-lid ptosis, and blurring of vision within 4 days after sustaining a trivial head injury. She was noted to have bilateral symmetrical ophthalmoplegia and ptosis-simulating chronic progressive external ophthalmoplegia. MRI revealed characteristic features of ICH. Subsequent autologous epidural patch therapy led to resolution of the headache and imaging findings; however, her ptosis and motility disorder persisted. Despite existing therapeutic measures for ICH, irreversible cranial nerve damage may ensue due to significant cerebral decent or ischemic injury.

PMID: 29300676

Icon for Taylor & Francis