Cerebrospinal Fluid Pressure in Glaucoma A Prospective Study.


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PURPOSE: To assess whether a low cerebrospinal fluid pressure (CSF-P) is associated with open-angle glaucoma in eyes with normal intraocular pressure (IOP).

DESIGN: Prospective, interventional study.

PARTICIPANTS: The study included 43 patients with open-angle glaucoma (14 with a normal IOP, and 29 with an elevated IOP) and 71 subjects without glaucoma.

INTERVENTIONS: All patients underwent standardized ophthalmologic and neurologic examinations and measurement of lumbar CSF-P.

MAIN OUTCOME MEASURES: Cerebrospinal fluid pressure and IOP.

RESULTS: Lumbar CSF-P was significantly (P<0.05) lower in patients with open-angle glaucoma compared to subjects without glaucoma.

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