



CASE DIAGNOSIS

59-year-old with female traumatic injury (TBI) brain subarachnoid hemorrhage from a motor vehicle collision with idiopathic intracranial hypertension (IIH).

CASE DESCRIPTION

- Patient with no past medical history, BMI 23 kg/m2 presents two months following a moderate TBI with headaches, blurred vision, tinnitus, and impaired balance.
- Neurologic exam was unremarkable. She was prescribed vestibular rehabilitation preventative and and medications for two weeks, then began significantly experiencing symptoms.
- Ophthalmologic examination bilateral optic nerve edema. MRI revealed flattening of the adenohypophysis and symmetric fluid signal along the optic without papilledema. nerves revealed an opening puncture (LP) pressure of 36 cm/H2) with normal CSF composition.
- The patient was prescribed acetazolamide and experienced complete resolution of symptoms. After weaning acetazolamide, repeat LP revealed a normal opening pressure, and the patient asymptomatic.

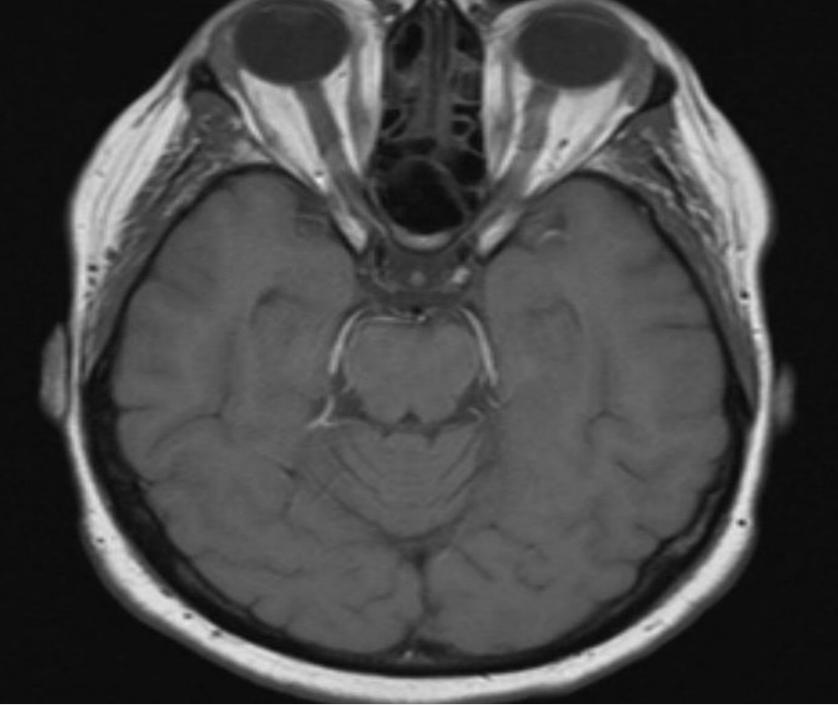
Case Report: Post-Traumatic Intracranial Hypertension in the Setting of Traumatic Brain Injury Justin Weppner DO, Michael Bova MD, Justin Tu MD, Emily Hillaker DO

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FIGURE 1

Brain MRI Without Contrast: Moderate to severe flattening of the adenohypophysis and symmetric fluid signal along the optic nerves without papilledema.





DISCUSSION

- The pathophysiology of IIH is hypothesized to involve the fluid dynamics of cerebrospinal fluid (CSF), including increased CSF production and impaired resorption of CSF.
- □ Symptoms of IIH include severe headache, vision loss, and pulsatile tinnitus. Physical exam findings may include papilledema.
- □ As IIH is a diagnosis of exclusion, other causes of increased ICP need excluded with imaging and LP.

moderate and delayed-onset

abortive worse

revealed Lumbar

remained

to be

CSF involves decreasing Treatment with acetazolamide, production surgical sheath shunting, optic or nerve fenestration.

- after TBI.
- neurologic deterioration.

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CONCLUSIONS

□ As far as we know, there has been only one other documented case of delayed onset IIH

Practitioners should have a high index of suspicion for IIH in patients with TBI experiencing delayed-onset progressive

REFERENCES