Reviewer's report

**Title:** Acute Bilateral Simultaneous Angle Closure Glaucoma after Topiramate Administration

**Version:** 3  **Date:** 19 August 2007

**Reviewer:** Jaime Levy

I am familiar with the literature and believe that this case meets one of the 7 criteria for evaluation in the journal: Unreported or unusual side effects or adverse interactions involving medications

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is this case worth reporting?: No

Is the case report persuasive?: No

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: Yes

**Comments to authors:**

**General**
This is a concise and well-written report of a known side effect of topiramate.

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**Revisions necessary for publication**

**Case presentation:**
- Please add generic names in parenthesis to systemic treatment
- Please add generic names in parenthesis to antiglaucomatous therapy.
- If available, please include anterior chamber depth measurement and induced myopic shift.
- If acute bilateral angle closure glaucoma due to topiramate therapy was suspected, why peripheral iridotomy was performed? And why topical pilocarpine was administered. As the authors stated in the Discussion section, both treatments are at least ineffective and perhaps can lead to further pupillary block and worsening of symptoms.
- How long was the treatment administered?

Conclusion:

- Please add other off-label uses of topiramate.
- Please emphasize the differences and similarities of this case with previous reported cases.
- Please emphasize that it is an idiosyncratic reaction occurring in normal eyes without any predisposition (narrow angles).
- Perhaps the authors can conclude that patients need to be informed of the possibility of bilateral blurred vision and eye pain after starting topiramate therapy. Physicians should be also aware of the ocular side effects of topiramate.

Figures:

- Please mark the depth of anterior chamber in the small pictures.

**What next?:** Revise and resubmit

**Quality of written English:** Acceptable