

PEER-REVIEW REPORT

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Title: Endoscopic third ventriculostomy in obstructive hydrocephalus: a case report and analysis of operative technique

Reviewer's code: 03072151

Position: Editorial Board

Academic degree: MD, MSc

Professional title: Assistant Professor, Attending Doctor, Surgeon

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Slovenia

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Reviewer chosen by: Ruo-Yu Ma (Quit in 2020)

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear editor and authors, I am pleased to note that informed consent has been given by the patient for this report to be written. However, the patient is a 9-year-old patient with a brain lesion. Written consent from the guardians or parents may be more preferable for this particular case. This manuscript is an article of outstanding merit and interest in its field. This case review will be of interest to neurosurgeons and physicians, and demonstrate its educational value. I need the authors to clarify some concerns: In INTRODUCTION, fourth paragraph: "Classically, the obstruction of CSF flow within the ventricles is classified as obstructive (non-communicating) hydrocephalus, whereas the obstruction of CSF flow or its absorption in the subarachnoid spaces is known as communicating hydrocephalus." Please revise this sentence with the definition of both types of hydrocephalus with references for clarification. The cause of hydrocephalus in your case is obstructive. At what point is the block to cause hydrocephalus per se? Is the fourth ventricle dilated? Illustrative Figure 1 sagittal view demonstrating the site of obstruction would be worthwhile. Please label the figures with arrows to show the readers. Are there any CSF flow studies demonstrating abnormal hyperdynamic CSF motion in your case? Are there signs of meningeal infiltration of the tumor? Are CSF studies available to document possible high protein content due to tumor? This "elevated CSF protein" may be problematic with a shunt. The authors should emphasize on the appropriate diagnostic work-up in the patient. Additionally, please further proof-read the paper. There are spelling and grammatical errors throughout the text. These are minor, but should be corrected by the authors. In INTRODUCTION, first paragraph: Dady Walker syndrome... In INTRODUCTION, first paragraph: ...age-dependant. In INTRODUCTION, eighth paragraph: ...CSF from third ventricle into the interpenducular cistern and... In CASE PRESENTATION,



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second paragraph: ...which was highly suspectful for tectal low grade astrocitoma. In
CASE PRESENTATION, third paragraph: ...foramen Monroe... CONSLUSIONS