Reviewer’s report

Title: Chemical meningitis in children as a risk factor following craniopharyngioma resection – a case report

Version: 0 Date: 07 Oct 2019

Reviewer: Yoshikazu Ogawa

Reviewer's report:

The authors presented a rare case of postoperative chemical meningitis after the transcranial craniopharyngioma removal. Their diagnostic workup seems to be adequate.

As the authors speculated chemical meningitis was reported to occur in cystic craniopharyngioma. The mechanism of its occurrence is thought to be by inflammation with cholesterol/cholesterol crystals.

Thinking of the background written above this presentation lacks of essential images. Where did the cholesterol crystals come from? Majority of the intracystic cholesterol was thought to be evacuated during surgery and might be diluted by patients own CSF within the postoperative 6 days. What was that incubation period, or did the tumor remain as a cholesterol supplier into CSF? To clarify this mechanism the authors should propose MRI with contrast medium.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Unable to assess

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

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No

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Acceptable

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