

# Certificate of English Language Editing



## Manuscript Title:

Coexistence of meningioma and other intracranial benign tumors in non-neurofibromatosis type 2 patients: a case series and literature review

## Date of Revision:

October 29, 2021

### Abstract:

**Background:** The coexistence of meningioma and other intracranial primary benign tumors is rare, especially in non-neurofibromatosis type 2 (NF2), with limited guidance for the management of such patients. Here, we report a series of five patients with concomitant meningioma and other intracranial benign tumors, including subependymoma and pituitary adenoma. **Case summary:** Five non-NF2 patients with simultaneous occurrence of meningioma and other intracranial benign tumors were retrospectively reviewed. The patients had no history of previous irradiation. The clinical features, pre- and post-operative imaging, surgical procedure and pathological findings were extracted from electronic medical records. There were four female (80%) and one male (20%) patients. The mean age was 42.8 years (range 29-52 years). The coexisting tumors included subependymoma in one case (20%), and pituitary adenoma in four (80%). The most common clinical symptom was headache (3/5, 60%). Four patients (80%) underwent craniotomy and one patient (20%) underwent transsphenoidal surgery followed by transcranial operation. All tumor diagnoses were confirmed by histopathological examination. The mean follow-up was 38.8 months (range 23-96 months), and all five patients were in a stable condition at last follow-up. **Conclusion:** The simultaneous...

This document certifies that the manuscript listed above was copy edited for English language by LetPub, with regard to grammar, punctuation, spelling, and clarity. All of our language editors are native English speakers with long-term experience in editing scientific and technical manuscripts. We are committed to leveling the playing field for researchers whose native language is not English.

- Documents receiving this certification should be regarded as having undergone professional editorial revision for English language before submission. However, the authors may accept or reject LetPub's suggestions and changes at their own discretion and LetPub does not have editorial control over the submitted documents.
- The language quality of the submitted document is the sole responsibility of the submitting authors subject to those authors' adherence to LetPub's revisions and instruction. LetPub's provision of service does not constitute a guarantee or endorsement of the authors' work herein.
- Neither the research content nor the authors' intended meaning were altered in any way during the editing process.
- If you have any questions or concerns about this edited document, please contact us at [support@letpub.com](mailto:support@letpub.com)



LetPub is an author service brand owned and operated by Accdon LLC. Headquartered in the Boston area, we are a full-spectrum author services company with a large team of US-based certified language and scientific editors, ISO 17001 accredited translators, and professional scientific illustrators and animators. We advocate ethical publication practices and are an official member of the Committee on Publication Ethics (COPE).

For more information about our company, services, and partnership programs, please visit [www.letpub.com](http://www.letpub.com).

© 2021 Accdon, LLC. All Rights Reserved. Tel: 1-781-202-9968 Email: [info@accdon.com](mailto:info@accdon.com) Address: 400 Fifth Ave, Suite 530, Waltham, MA 02451, United States