REVIEW lanuary 31, 2024



# Discontinuation of Antiseizure Medications in Patients With Brain Tumors



#### **Abstract**

Patients with brain tumors will experience seizures during their disease course. While providers can use antiseizure medications to control these events, patients with brain tumors can experience side effects, ranging from mild to severe, from these medications. Providers in subspecialties such as neurology, neuro-oncology, neurosurgery, radiation oncology, and medical oncology often work with patients with brain tumor to balance seizure control and the adverse toxicity of antiseizure medications. In this study, we sought to explore the problem of brain tumor—related seizures/epilepsy in the context of how and when to consider antiseizure medication discontinuation. Moreover, we thoroughly evaluate the literature on antiseizure medication discontinuation for adult and pediatric patients and highlight recommendations relevant to patients with both brain tumors and seizures.

#### Get full access to this article

View all available purchase options and get full access to this article.

 **GET ACCESS** 

ALREADY A SUBSCRIBER? SIGN IN AS AN <u>INDIVIDUAL</u> OR VIA YOUR <u>INSTITUTION</u>

1 di 4

# Supplementary Material

File (supplementary\_data1.pdf)

DOWNLOAD 64.55 KB

### References

1. Kerkhof M, Vecht CJ. Seizure characteristics and prognostic factors of gliomas. Epilepsia. 2013;54(suppl 9):12-17.

Crossref | PubMed | Google Scholar

2. Pallud J, Audureau E, Blonski M, et al. Epileptic seizures in diffuse low-grade gliomas in adults. Brain. 2014;137(Pt 2):449-462.

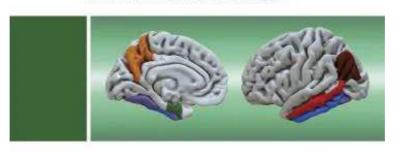
Crossref | PubMed | Google Scholar

3. Chen H, Judkins J, Thomas C, et al. Mutant IDH1 and seizures in patients with glioma. Neurology. 2017;88(19):1805-1813.

SHOW ALL REFERENCES

08/02/2024, 10:41





# **Latest Articles**

#### Volume 102 | Number 4 <u>February 27, 2024</u>

The Letters section represents an opportunity for ongoing author debate and post-publication peer review. View our <u>submission</u> guidelines for Letters to the Editor before submitting your comment.

SUBMIT A LETTER FOR THIS ARTICLE

#### Recommended

<u>Neurology</u>®

RESEARCH ARTICLES 8 JUN 2022 | @



Effectiveness of Antiseizure Medication Duotherapies in Patients With Glioma: A Multicenter Observational Cohort Study

Pim B. van der Meer, Linda Dirven, Marta Fiocco, [...], Johan A.F. Koekkoek

Neurology® Genetics

RESEARCH ARTICLE 28 SEP 2022

 $\underline{\textbf{Efficacy, Tolerability, and Retention of Antiseizure\ Medications\ in\ \textit{PRRT2-Associated\ Infantile\ Epilepsy}}$ 

Jan H. Döring, Afshin Saffari, Thomas Bast, [...], Steffen Syrbe

Neurology<sup>®</sup> Clinical Practice

RESEARCH ARTICLE 22 MAY 2023

Managing Antiseizure Medications in Pregnancy: Is Earlier and More Frequent Monitoring Better?

Brin Freund, Baibing Chen, Peter W. Kaplan, and Emily L. Johnson

3 di 4 08/02/2024, 10:41

#### Neurology<sup>®</sup>

RESEARCH ARTICLE 31 JAN 2024

Outcome of Epilepsy Surgery in MRI-Negative Patients Without Histopathologic Abnormalities in the Resected Tissue

Maurits W. Sanders, Iskander Van der Wolf, Floor E. Jansen, [...], as the European Epilepsy Brain Bank Consortium (EEBB)

#### <u>Neurology</u>®

RESIDENT & FELLOW SECTION 31 JAN 2024

 $\underline{\textbf{Teaching NeuroImage: CADASIL Mimicking Cerebral Amyloid Angiopathy-Related Inflammation}}$ 

Jiaqi Li, Xiao Wang, Yapeng Li, [...], Yuming Xu

#### **Topics**

Clinical Neurology Clinical neurology (general) Epilepsy/Seizures Epilepsy/Seizures (general) Oncology Practice Management

Practice management (general) Primary brain tumor

View full text | Download PDF

Naurology"

**ARTICLES** 

ABOUT

AUTHORS AND REVIEWERS

SUBSCRIBERS

FOLLOW US

AAN.COM | CONTINUUM | BRAIN & LIFE | NEUROLOGY TODAY





© 2024 American Academy of Neurology

Manage Cookie Preferences

Advertise Privacy Policy Your California Privacy Choices

4 di 4