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[J Neurooncol.](#) 2009 Dec 3. [Epub ahead of print]

The role of prophylactic anticonvulsants in the management of brain metastases: a systematic review and evidence-based clinical practice guideline.

Mikkelsen T, Paleologos NA, Robinson PD, Ammirati M, Andrews DW, Asher AL, Burri SH, Cobbs CS, Gaspar LE, Kondziolka D, Linskey ME, Loeffler JS, McDermott M, Mehta MP, Olson JJ, Patchell RA, Ryken TC, Kalkanis SN.

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QUESTION : Do prophylactic anticonvulsants decrease the risk of seizure in patients with metastatic brain tumors compared with no treatment? **Target population** These recommendations apply to adults with solid brain metastases who have not experienced a seizure due to their metastatic brain disease. **Recommendation Level 3** For adults with brain metastases who have not experienced a seizure due to their metastatic brain disease, routine prophylactic use of anticonvulsants is not recommended. Only a single underpowered randomized controlled trial (RCT), which did not detect a difference in seizure occurrence, provides evidence for decision-making purposes.

PMID: 19957015 [PubMed - as supplied by publisher]

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