

SUPPLEMENTARY FILE

Supplementary File S1: Anti-Epileptic Drugs in Neuro-Oncology Practice Survey

Principal Investigator: XXXX

Research Team: YYYY

Participants Information Statement

- You are invited to participate in this online survey of health professionals active in the care of patients with a primary brain tumor or brain metastases.
- We are interested in finding the current practices of prescribing antiepileptic drugs in patients with brain tumors (primary or metastatic) among health-care professionals and subsequently facilitate development of appropriate research questions and/or consensus guidelines for the usage of antiepileptic drugs.
- Your participation in this study will require the completion of the following 15-point online survey questionnaire through www.surveymonkey.com.
- It should not take more than 10-min (approximately) of your precious time.
- Your participation in this survey is completely voluntary. Strict anonymity and confidentiality will be maintained regarding your participation in this survey.
- The research team intends to report and publish the results of this practice survey in a variety of ways, none of which will either identify you or have any reference to you as an individual.
- If you have any further questions about this practice survey or if you have any research-related queries you may contact: **XXXX or YYYY**
- If you have any concerns or complaints about the conduct of this practice survey you can contact the **Institutional Ethics Committee (IEC), ZZZZ**

Part A: General Information

1. What is your practice specialty?
 - a. Neurosurgery
 - b. Radiation Oncology
 - c. Medical Oncology
 - d. Neurology
 - e. Psychiatry
 - f. Others, specify _____
2. What is your practice setting? (In case of multiple practice settings, please tick on the predominant setting defined as consuming >50% of total practice time)
 - a. Academic (Teaching) Hospital
 - b. Nonteaching Government Hospital
 - c. Trust-aided/Charitable Hospital
 - d. Corporate Hospital
 - e. Private (Individual) Practice
 - f. Others (please specify _____)
3. What is your experience in treating patients with brain tumors?
 - a. <1 year
 - b. 1–5 years
 - c. 5–10 years
 - d. 10–15 years
 - e. >15 years
 - f. Others (please specify _____)

Part B: Antiepileptic Drug usage specific

4. Do you prescribe prophylactic antiepileptic drugs in the peri-/postoperative setting in patients with brain tumors who have never experienced any seizure?
 - a. Never
 - b. Rarely

- c. Mostly
 - d. Almost always
 - e. Always
5. Not Applicable
- How long do you give prophylactic antiepileptic drugs in the postoperative period for patients with brain tumors without any seizure? (answer to the closest duration)
- a. <7 days
 - b. 1–4 weeks
 - c. >4 weeks but < 6 months
 - d. ≥6 months but < 2 years
 - e. ≥2 years
 - f. Not Applicable
6. Do you prescribe antiepileptic drugs in the postoperative period for patients with brain tumors who have experienced seizures previously?
- a. Never
 - b. Rarely
 - c. Mostly
 - d. Almost always
 - e. Always
7. Not Applicable
- How long do you prescribe antiepileptic drugs in the postoperative period for patients with brain tumor who have experienced seizures previously? (answer to the closest duration)
- a. <4 weeks
 - b. 4 weeks–6 months
 - c. >6 months but < 2 years
 - d. ≥2 years
 - e. 2 years from last seizure (2-year seizure-free interval)
 - f. Life-long
8. Which of the following is your first-line antiepileptic drug of choice in patients with brain tumors?
- a. Phenytoin
 - b. Levetiracetam
 - c. Valproate
 - d. Lacosamide
 - e. Carbamazepine
 - f. Clobazam
 - g. Lamotrigine
 - h. Phenobarbitone
 - i. Others (please specify _____)
9. Is your choice of antiepileptic drug influenced by the type of seizure? (generalized seizures, complex partial seizures, absence seizures, and focal seizures)
- a. No
 - b. Rarely
 - c. Mostly
 - d. Almost always
 - e. Always
 - f. Not Applicable
10. Do you taper antiepileptic drugs before stopping?
- a. Never
 - b. Rarely

- c. Mostly
- d. Almost always
- e. Always

11. Not applicable

How frequently do you test therapeutic levels of antiepileptic drugs in patients with brain tumors?

- a. Never
- b. Rarely
- c. Only if needed
- d. Regularly
- e. Always
- f. Not applicable

12. According to you, which brain tumor type carries a high risk of seizures? (You can select more than one option)

- a. Oligodendroglioma
- b. Astrocytoma
- c. Metastases
- d. Meningioma
- e. Glioblastoma
- f. Embryonal tumor
- g. Others (please specify _____)

13. According to you, which tumor location carries a high risk of seizures?

(You can select more than one option)

- a. Frontal lobe
- b. Parietal lobe
- c. Occipital lobe
- d. Sellar/Suprasellar
- e. Pineal region
- f. Posterior fossa
- g. Intraventricular
- h. Leptomeningeal

14. Others (please specify _____)

Do you strongly believe that prophylactic antiepileptic drugs reduce the risk of seizures?

- a. No
- b. Somewhat
- c. Possibly
- d. Probably
- e. Yes

15. Do you think that a large randomized controlled trial can shape clinical practice regarding antiepileptic drug prophylaxis in neuro-oncology?

- a. No
- b. Not sure
- c. Possibly
- d. Probably
- e. Yes