

**Improving outcomes for patients with
tuberous sclerosis complex-associated seizures:
Integrating new treatment options into
existing care pathways**

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Expert panel



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Treatment options for TSC-associated seizures

Pharmacologic options

Anti-seizure medications

- Vigabatrin (1L for infantile spasms)¹
- ACTH or prednisolone (add-on)¹
- Other, e.g. levetiracetam, lamotrigine, lacosamide, cenobamate^{2,3}

mTOR inhibitors¹

For TSC-associated tumours

- Everolimus
- Sirolimus (for LAM)

Cannabidiol¹

Nonpharmacologic options (for refractory TSC)

Ketogenic, MAD or low glycaemic index diet^{1,4,5}

Surgery¹

After unsuccessful treatment with three medications

Vagus nerve stimulation¹

If surgery is unsuccessful/not possible



1L, first-line; ACTH, adrenocorticotrophic hormone; LAM, lymphangiomyomatosis; MAD, modified Atkins diet; mTOR, mammalian target of rapamycin; TSC, tuberous sclerosis complex.

1. Northrup H, et al. *Pediatr Neurol.* 2021;123:50–66; 2. Schubert-Bast S, Strzelczyk A. *Ther Adv Neurol Disord.* 2021;14:1–22; 3. Perucca E. *Acta Epileptologica.* 2021;3:22;

4. Fang Y, et al. *Front Neurol.* 2022;13:863826; 5. Sharma S, Jain P. *Epilepsy Res Treat.* 2014;2014:404202.