

NEUROTOXICITY

TREMORS

- → Switching to the extended release formulation of tacrolimus (LCP-TAC)_can ameliorate conventional (IR-TAC)-induced tremor.
- → LCP-TAC, once-daily, extended-release formulation of tacrolimus, has a reduced C max compared to twice-daily, immediate-release. [3] [4]

INSOMNIA (GENERAL MANAGEMENT)

- → In Patients with isolated sleep-onset insomnia: a nonbenzodiazepine BZRA (all except middle-of-the-night and extended-release zolpidem) a DORA, or the melatonin agonist, ramelteon
- → In Patients with sleep-maintenance or mixed insomnia: a nonbenzodiazepine BZRA (all except zaleplon), a DORA, or low-dose doxepin (for sleep-maintenance only) [5]

SEIZURES

- ightarrow Discontinuation of tacrolimus may be required.
- → Alternative therapies may conclude: conversion to cyclosporine, sirolimus, or belatacept. [6]
- [3]- Morgan J, Langone A, Nigro V, Mehta S, Sethi K. Tacrolimus-Induced Tremor: Switching from Immediate-Release (IR-TAC) to LCP-Tacro Extended-Release Tacrolimus (LCPT) Reduces Tremor and Improves Quality of Life (P4.072). Neurology. 2014;82(10 Supplement).
- [4]- Langone A, Steinberg SM, Gedaly R, Chan LK, Shah T, Sethi KD, et al. Switching STudy of Kidney TRansplant PAtients with Tremor to LCP-TacrO (STRATO): an open-label, multicenter, prospective phase 3b study. Clin Transplant [Internet]. 2015 Sep 1 [cited 2021 Nov 14];29(9):796. Available from: /pmc/articles/PMC4755036/
- [5]- Pharmacotherapy for insomnia in adults UpToDate [Internet]. [cited 2021 Nov 14]. Available from: https://www.uptodate.com/contents/pharmacotherapy-for-insomnia-in-adults#H4115465959
- [6] Mecadon K. Managing Side Effects of Immunosuppressants.