**Appendix Table D24. Randomized controlled clinical trials that examined comparative effectiveness of drugs for migraine prevention in children**

| **Reference****Total sample assigned to treatmentNumber analyzed % females** | **Question the study expects to answer** | **Age****Definition of migraine****Presence of aura** | **Baseline migraine status****ComorbidityConcurrent medicationOveruse of drugs for acute migraine** | **Duration of migrainePrior treatmentSubject compliance and suitability** |
| --- | --- | --- | --- | --- |
| Ashrafi, 200511 Design RCTSample 120Number analyzed Not reported33.9% females | To compare the effect of sodium valproate with that of propranolol in pediatric migraine prophylaxis | 3 to 15 years1988 International Headache Society criteria for pediatric common migraineAll patients had migraine without aura | Mean headache frequency/month: sodium valproate: 7.8 and propranolol: 7.9Not reportedNot reportedNot reported | Not reportedNot reportedNot reported |
| Bidabadi, 201012 Design RCTSample 63Number analyzed 6033% females | To compare the efficacy and tolerability of propranolol and sodium valproate in the prevention of migraine in the pediatric population | 5-15 yearsThe diagnostic criteria for pediatric migraine without aura as defined by the International Headache Society.Not reported | Mean headache frequency per month: propranolol: 13.86 and sodium valproate: 13.23 Not reportedNot reportedNot reported | Not reportedNot reportedMonthly followup |
| Unalp, 200813 Design RCTSample 48Number analyzed 4854.17% females | To compare the efficacy of topiramate and sodium valproate for the prevention of pediatric migraine | Not reportedInternational Headache Society 2004 criteria for migraine headacheNot reported | Duration of migraine episode, h: Sodium valproate: 10.2 (9.4), Topiramate: 7 (12); Headache frequency/month: Sodium valproate: 15.3 (10.1), Topiramate: 20.1 (10.2); Headache intensity, VAS: Sodium valproate: 6.8 (1) and Topiramate: 71 (1)Not reportedNot reportedNot reported | Not reportedNot reportedNot reported |