**Appendix Table D7. Risk of bias in randomized controlled clinical trials of drugs for migraine prevention in adults**

|  | **Adequate****Allocation Conceal-****ment** | **Unclear Allocation Conceal-****ment** | **Randomi-****zation Adequate** | **Unclear Adequacy of Random-****ization** | **Random-****ized In-adequate** | **Planned Inten-tion to- treat** | **No Planned Intention to- treat** | **Double Blind** | **Single Blind** | **Open Label** | **Low ROB** | **Medium ROB** | **High ROB** | **Unclear ROB** | **Total** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Topiramate\* | 6 | 21 | 15 | 7 | 5 | 15 | 12 | 25 | 0 | 2 | 12 | 14 | 1 | 0 | 27 |
| Divalproex\* | 0 | 3 | 3 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| Propranolol\* | 1 | 44 | 13 | 32 | 0 | 6 | 39 | 39 | 2 | 4 | 6 | 34 | 5 | 0 | 45 |
| Timolol\* | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Acetazolamide | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Gabapentin | 1 | 3 | 1 | 2 | 1 | 2 | 2 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 4 |
| Lamotrigine | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Oxcarbazepine | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Valproate | 0 | 4 | 2 | 2 | 0 | 1 | 3 | 3 | 0 | 1 | 1 | 2 | 1 | 0 | 4 |
| Vigabatrin | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Carbamazepine | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Alprenolol | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Atenolol | 0 | 2 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Bisoprolol | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Metoprolol | 0 | 9 | 3 | 5 | 1 | 2 | 7 | 9 | 0 | 0 | 1 | 8 | 0 | 0 | 9 |
| Nadolol | 0 | 2 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| Pindolol | 0 | 2 | 1 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Acebutolol | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Amitriptyline | 0 | 4 | 3 | 1 | 0 | 1 | 3 | 3 | 0 | 1 | 0 | 4 | 0 | 0 | 4 |
| Femoxetine | 0 | 6 | 3 | 3 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| Fluoxetine | 0 | 6 | 4 | 1 | 1 | 0 | 6 | 5 | 0 | 1 | 0 | 5 | 1 | 0 | 6 |
| Fluvoxamine | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Venlafaxine | 0 | 3 | 2 | 0 | 1 | 1 | 2 | 2 | 0 | 1 | 0 | 2 | 1 | 0 | 3 |
| Mianserin | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Captopril | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Lisinopril | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Candesartan | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Telmisartan | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Nifedipine | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Nimodipine | 0 | 6 | 1 | 4 | 1 | 1 | 5 | 5 | 1 | 0 | 0 | 5 | 1 | 0 | 6 |
| Verapamil | 0 | 2 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Nicardipine | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Clonidine | 0 | 14 | 1 | 13 | 0 | 0 | 14 | 13 | 0 | 1 | 3 | 9 | 1 | 1 | 14 |
| Guanfacine | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Dihydro-ergocryptine | 0 | 3 | 0 | 2 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| Dihydro-ergotamine | 0 | 4 | 2 | 2 | 0 | 1 | 3 | 3 | 0 | 1 | 1 | 3 | 0 | 0 | 4 |
| Lisuride | 0 | 3 | 2 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| Methysergide | 0 | 2 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Non -drug | 2 | 2 | 3 | 0 | 1 | 3 | 1 | 0 | 1 | 3 | 1 | 2 | 1 | 0 | 4 |
| Aspirin | 0 | 5 | 1 | 3 | 1 | 1 | 4 | 5 | 0 | 0 | 2 | 3 | 0 | 0 | 5 |
| Fenoprofen | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Flurbiprofen | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Indobufen | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Indomethacin | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Induprofen | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Ketoprofen | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Naproxen  | 0 | 3 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 2 | 1 | 3 |
| Rofecoxib | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Tolfenamic Acid | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Magnesium | 0 | 3 | 2 | 0 | 1 | 2 | 1 | 3 | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| Montelukast | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Tizanidine | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Tonabersat | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total | 14 | 206 | 87 | 111 | 22 | 53 | 167 | 188 | 5 | 27 | 45 | 148 | 25 | 2 | 220\*\* |
| % | 6.36 | 93.64 | 39.55 | 50.45 | 10 | 24.09 | 75.91 | 85.45 | 2.27 | 12.27 | 20.45 | 67.27 | 11.36 | 0.91 | 100 |

\* approved drugs;\*\*- 24 RCTs of flunarizine contributed to counts; ROB = risk of bias