Supplementary Material A. Distribution of drugs in each group.

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| --- | --- | --- | --- |
|  | **OtherMed (%)** | **Low LEV (%)** | **High LEV (%)** |
| **Number of ASMs** |  |  |  |
| Monotherapy | 42 (53.2) | 40 (65.6) | 9 (19.1) |
| Two ASMs | 32 (40.5) | 17 (27.9) | 17 (36.2) |
| Three ASMs | 5 (6.3) | 4 (6.6) | 17 (36.2) |
| Four ASMs | 0 (0.0) | 0 (0.0) | 4 (8.5) |
| **Used most in monotherapy** |  |  |  |
| Levetiracetam | - | 40 (100.0) | 9 (100.0) |
| Valproic acid | 18 (42.9) | - | - |
| Oxcarbazepine | 15 (35.7) | - | - |
| Topiramate | 5 (11.9) | - | - |
| **Used most in polytherapy\*** |  |  |  |
| Levetiracetam | - | 21 (100.0) | 38 (100.0) |
| Carbamazepine | 19 (51.6) | 6 (28.6) | 7 (18.4) |
| Lamotrigine | 21 (56.8) | 4 (19.0) | 9 (23.7) |
| Topiramate | 9 (24.3) | 1 (4.8) | 5 (10.5) |
| Valproic acid | 5 (13.5) | 3 (14.3) | 5 (13.2) |
| Lacosamide | 6 (16.2) | 3 (14.3) | 12 (31.6) |
| **Frequent ASM combinations** |  |  |  |
| Levetiracetam and lacosamide | - | 3 (4.9) | 5 (10.6) |
| Levetiracetam and carbamazepine | - | 6 (9.8) | 5 (10.6) |
| Levetiracetam and topiramate |  | 1 (1.6) | 5 (10.6) |
| Levetiracetam and lamotrigine | - | 3 (4.9) | 4 (8.5) |
| Levetiracetam and valproic acid | - | 4 (6.6) | 1 (2.1) |
| Lamotrigine and carbamazepine | 7 (8.9) | - | - |
| Lamotrigine and topiramate | 7 (8.9) | - | - |
| Lamotrigine and valproic acid | 5 (6.3) | - | - |

*Note.* ASM=anti-seizure medication, LEV=levetiracetam.

\*Percentages reflect that ASMs are proscribed more than once.