**Supplementary Table 1. Search strategies for systematic review**

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| 1     epilepsy/ or drug resistant epilepsy/ or epilepsies, partial/ or epilepsy, complex partial/ or epilepsy, frontal lobe/ or epilepsy, partial, motor/ or epilepsy, partial, sensory/ or epilepsy, rolandic/ or epilepsy, temporal lobe/ or epilepsy, benign neonatal/ or epilepsy, post-traumatic/ or epilepsy, reflex/ or lennox gastaut syndrome/ or seizures/ or seizures, febrile/ or status epilepticus/ or epilepsia partialis continua/ (143651)Include parietal lobe/ or epilepsy, occipital lobe/ or epilepsy, insula/ or epilepsy2     epilepsy/su or drug resistant epilepsy/su or epilepsies, partial/su or epilepsy, complex partial/su or epilepsy, frontal lobe/su or epilepsy, partial, motor/su or epilepsy, partial, sensory/su or epilepsy, rolandic/su or epilepsy, temporal lobe/su or epilepsy, benign neonatal/su or epilepsy, post-traumatic/su or epilepsy, reflex/su or lennox gastaut syndrome/su or seizures/su or seizures, febrile/su or status epilepticus/su or epilepsia partialis continua/su (9844)Include parietal lobe/su or epilepsy, occipital lobe/su or epilepsy, insula/su or epilepsy3     neurosurgical procedures/ or anterior temporal lobectomy/ or craniotomy/ or decompressive craniectomy/ or trephining/ (40664)4     1 and 3 (3253)5     lesionectomy.mp. (347)6     focal onset seizures.mp. (77)7     Hemispherectomy/ (809)8     long term seizure.ti. and dhar r\*.au. (1)9     long term seizure.ti. and schmidt d\*.au. (2)10     brain/ or frontal lobe/ or motor cortex/ or prefrontal cortex/ or broca area/ or occipital lobe/ or visual cortex/ or parietal lobe/ or somatosensory cortex/ or temporal lobe/ (594226)11     brain/su or frontal lobe/su or motor cortex/su or prefrontal cortex/su or broca area/su or occipital lobe/su or visual cortex/su or parietal lobe/su or somatosensory cortex/su or temporal lobe/su (11155)12     1 and 11 (3277)13     2 or 4 or 12 (11104)14     limit 13 to "all child (0 to 18 years)" (5311)15     limit 14 to english language (4792)16     limit 15 to yr="1990 -Current" (4283)17     remove duplicates from 16 (3969)18     controlled clinical trial/ or randomized controlled trial/ or pragmatic clinical trial/ or observational study/ or meta-analysis/ or multicenter study/ (886869)19     17 and 18 (144)20     8 or 9 (3)21     controlled clinical trials as topic/ or randomized controlled trials as topic/ or pragmatic clinical trials as topic/ or observational studies as topic/ or case-control studies/ or longitudinal studies/ or prospective studies/ or multicenter studies as topic/ (971047)22     17 and 21 (335)23     19 or 22 (436) |