

Appendix I.**Search strategy
(for each electronic database to be searched)**

#1	Search terms	No of records returned
1	"Infant, Newborn"[Mesh] OR Newborn Infant OR Newborn Infants OR Newborns OR Newborn OR Neonate OR Neonates	
2	"Seizures"[Mesh] OR Seizure OR Nonepileptic Seizure OR Generalized Absence Seizures OR Tonic-Clonic Seizure OR Generalized Tonic-Clonic Seizures OR Clonic Seizure OR Tonic Seizures OR Atonic Seizure OR Atonic Absence Seizures OR Myoclonic Seizure OR Epileptic Seizure OR Absence Seizure OR Petit Mal Convulsion OR Convulsion OR Convulsive Seizures OR Motor Seizure OR Jacksonian Seizure OR Focal Seizure OR Partial Seizure OR Generalized Seizure OR Non-Epileptic Convulsion OR Complex Partial Seizures OR Single Seizures	
3	"Valproic Acid"[Mesh] OR 2-Propylpentanoic Acid OR Depakine OR Valproate Calcium OR Calcium Valproate OR Sodium Valproate OR Valproate Sodium OR Valproate OR Magnesium Valproate OR Ergenyl OR Propylisopropylacetic Acid OR Vupral OR Semisodium Valproate OR Divalproex Sodium OR Dipropyl Acetate OR Depakote OR Convulsofin OR Depakene OR Divalproex OR Propylpentanoic Acid	
4	"Paraldehyde"[Mesh] OR paraldehyde	
5	"Diazepam"[Mesh] OR 7-Chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one OR Relanium OR Apaurin OR Stesolid OR Sibazon OR Seduxen OR Valium OR Faustan OR Diazemuls	
6	"Phenobarbital"[Mesh] OR Phenylbarbital OR Gardenal OR Luminal OR Monosodium Salt Phenobarbital OR Phenobarbital	

	Sodium OR Hysteps OR Phenobarbitone OR Phenemal OR Phenylethylbarbituric Acid	
7	"Levetiracetam"[Mesh] OR S-isomer Etiracetam OR UcbL060 OR Ucb-L060 OR Ucb L060 OR Ucb L059 OR Ucb-L059 OR UCB 6474 OR UCB-6474 OR UCB6474 OR R-isomer Etiracetam OR Keppra OR Etiracetam OR alpha-ethyl-2-oxo-1-Pyrrolidineacetamide OR alpha ethyl 2 oxo 1 Pyrrolidineacetamide	
8	"Lorazepam"[Mesh] OR Ativan OR Temesta OR Somagerol OR Apo Lorazepam OR Apo-Lorazepam OR WY4036 OR WY 4036 OR WY-4036 OR Sinestron OR Sedicepan OR Nu Loraz OR Nu-Loraz OR Novo Lorazem OR Novo-Lorazem OR Lorazepam Ratiopharm OR Lorazepam-Ratiopharm OR Lorazepam Neuraxpharm OR Lorazepam-Neuraxpharm OR Lorazepam Medical OR Lorazep Von Ct OR Laubeel OR Idalprem OR fidal Wyeth OR Durazolam OR Duralozam OR Donix OR Tolid OR Témesta	
9	"Carbamazepine"[Mesh] OR Carbamazepine Acetate OR Carbamazepine Phosphate OR Amizepine OR Tegretol OR Neurotol OR Finlepsin OR Epitol OR Carbazepin OR Carbamazepine Sulfate 2:1 OR Carbamazepine Anhydrous OR Carbamazepine L-Tartrate 4:1 OR Carbamazepine Hydrochloride OR Carbamazepine Dihydrate	
10	"Phenytoin"[Mesh] OR 5,5-Diphenylhydantoin OR Dilantin OR Antisacer OR Hydantol OR Epanutin OR Epamin OR Sodium Diphenylhydantoinate OR Phenytoin Sodium OR Dihydan OR Difenin OR Diphenylhydantoin OR 5,5-diphenylimidazolidine-2,4-dione OR Fenitoin	
11	"Midazolam"[Mesh] OR Midazolam Maleate OR Ro 213981 OR Ro 21 3981 OR Ro 21-3981 OR Midazolam Hydrochloride OR Versed OR Dormicum	

12	"Lidocaine"[Mesh] OR 2-Diethylamino-N-2,6-Dimethylphenyl Acetamide OR Dalcaine OR Xylocitin OR Xylocaine OR Xylesthesin OR Octocaine OR Lidocaine Sulfate 1:1 OR Xyloneural OR Lidocaine Monoacetate OR Lidocaine Monohydrochloride OR Lidocaine Hydrochloride OR Lidocaine Hydrocarbonate OR Lidocaine Carbonate OR Lidocaine Carbonate 2:1 OR Lignocaine OR 2-2EtN-2MePhAcN	
13	"fosphenytoin" [Supplementary Concept] OR 3-hydroxymethylphenytoin phosphate ester OR Cerebyx OR HMPDP OR 3-hydroxymethylphenytoin disodium phosphate OR fosphenytoin sodium OR Prodilantin OR ACC-9653 OR ACC 9653	
14	"Bumetanide"[Mesh] OR Bumethanide OR Burinex OR Bumedy1 OR Miccil OR Fordiuran OR Drenural OR PF1593 OR Bumex OR PF-1593 OR PF 1593	
15	#1 AND #2	
16	#3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14	
17	#15 and #16	
18	limit #17 to humans	