

Excluded Study - Reasons

Question 1 How effective and cost-effective are anti-epileptic drugs for focal seizures with/without secondary generalisation

Reviewer

382 Banu SH;Jahan M;Koli UK;Ferdousi S;Khan NZ;Neville B;

Side effects of phenobarbital and carbamazepine in childhood epilepsy: randomised controlled trial.[see comment]

2007 Jun 9 BMJ 334 7605 1207

BMJ: British
Medical Journal

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures not over 80%.

Excluded Study - Reasons

247 Aikia M;Kalviainen R;Riekkinen PJ;

The cognitive effects of initial tiagabine monotherapy.

1999 Epilepsia 40 Suppl 7 51

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

536 Wesnes KA;Edgar C;Dean ADP;Wroe SJ;

The cognitive and psychomotor effects of remacemide and carbamazepine in newly diagnosed epilepsy

2009 Epilepsy & Behavior 14 3 522 528

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Drug not in KCQ for partial seizures.

Excluded Study - Reasons

525 Sackellares JC;Krauss G;Sommerville KW;Deaton R;

Occurrence of psychosis in patients with epilepsy randomized to tiagabine or placebo treatment

2002 Apr Epilepsia 43 4 394 398

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

All seizure types included. Do not know how many had partial seizures. Not RCT (post analysis)

Excluded Study - Reasons

523 Otoul C;Arrigo C;van RK;French JA;

Meta-analysis and indirect comparisons of levetiracetam with other second-generation antiepileptic drugs in partial epilepsy

2005 Mar	Clinical Neuropharmacology Clin Neuropharmacol	28	2	72	78
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review. Included the studies.

Excluded Study - Reasons

521 Birbeck GL;Hays RD;Cui X;Vickrey BG;

Seizure reduction and quality of life improvements in people with epilepsy

2002 May Epilepsia 43 5 535 538

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures not over 80%.

Excluded Study - Reasons

518 Brodie MJ;

Zonisamide as adjunctive therapy for refractory partial seizures. [Review] [8 refs]

2006 Feb Epilepsy 68 S11 S16
 Research Suppl 2
 Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

4 RCTs - got.

Excluded Study - Reasons

510 Wroe S;

Zonisamide and renal calculi in patients with epilepsy: how big an issue?

2007 Aug Current Medical 23 8 1765 1773
Research &
Opinion

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

484

Levetiracetam: new preparation. For some patients with refractory partial epilepsy

2003 Apr	Prescribe International	12	64	53	54
	Prescribe Int				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

472 Leppik I;Morrell M;Godfroid P;Arrigo C;

Seizure-free days observed in randomized placebo-controlled add-on trials with levetiracetam in partial epilepsy

2003 Oct Epilepsia 44 10 1350 1352

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Brief communication.

Excluded Study - Reasons

562 Bauer J;Cooper-Mahkorn D;

Tiagabine: Efficacy and safety in partial seizures - Current status

2008	Neuropsychiatric Disease and Treatment	4	4	731	736
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

468 Kaminow L;Schimschock JR;Hammer AE;Vuong A;

Lamotrigine monotherapy compared with carbamazepine, phenytoin, or valproate monotherapy in patients with epilepsy

2003 Dec Epilepsy & 4 6 659 666
 Behavior

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures not over 80%; open study.

Excluded Study - Reasons

563 Beydoun A;Nasreddine W;Atweh S;

Efficacy and tolerability of pregabalin in partial epilepsy

2008 Expert Review of Neurotherapeutics 8 7 1013 1024

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

380

Zonisamide: new drug. No advantage in refractory partial epilepsy

2007 Jun	Prescribe International	16	89	95	97
	Prescribe Int				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

362 Donati F;Gobbi G;Campistol J;Rapatz G;Daehler M;Sturm Y;Aldenkamp AP;Oxcarbazepine Cognitive Study Group.;

The cognitive effects of oxcarbazepine versus carbamazepine or valproate in newly diagnosed children with partial seizures

2007 Dec Seizure 16 8 670 679

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Dosages too high for children.

Excluded Study - Reasons

356 Mills KC;Draskowski JF;Hammer AE;Caldwell PT;Kustra RP;Blum DE;

Relative influences of adjunctive topiramate and adjunctive lamotrigine on scanning and the effective field of view

2008 Feb Epilepsy 78 2-3 140 146
 Research

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Subsample of patients from an RCT.

Excluded Study - Reasons

349 Sun W;Wang Y;Wang W;Wu X;

Attention changes in epilepsy patients following 3-month topiramate or valproate treatment revealed by event-related potential

2008 Jun International Journal of Psychophysiology 68 3 235 241

Journal of
Psychophysiology

Int J
Psychophysiol

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Healthy volunteers as control group.

Excluded Study - Reasons

253 Veendrick-Meekes MJB;Beun AM;Carpay JA;Arends LR;Scholsser A;

Use of Lamictal« as adjunctive therapy in patients with mental retardation and epilepsy: final analysis of a double-blind study with evaluation of behavioural effects. Poster presentation.

2000 4th European
Congress of
Epileptology

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Industry submission in HTA and combination of partial and generalised but does not specify how many.

Excluded Study - Reasons

252 Sackellares C;Kwong W;Vuong A;Hammer A;Barratt P;

Lamotrigine monotherapy improves health-related quality of life in epilepsy: a double-blind comparison with valproate.

2000 Epilepsia 41 28

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Number of participants with partial epilepsy was not over 80%.

Excluded Study - Reasons

251 Yaqub B;Aldeeb S;Cheung GKP;Thomas W;Ahmed R;Khan S;

Lamotrigine treatment in severe epilepsy.

1995 Epilepsia 36 Suppl 3 S115

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract. Combination of partial and generalised.

Excluded Study - Reasons

250 Specchio LM;La Neve A;Spinelli A;Boero G;Tramacere I;Specchio N;

Vigabatrin (VGB), lamotrigine (LTG), and gabapentin (GBP) in refractory partial epilepsy: an open comparative long term study.

1999 Neurology 52 Suppl 6 A524

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

249 Coles H;Baker G;O'Donoghue M;

Seizure severity in patients with partial onset (POS) or primary generalised tonic clonic (PGTC) seizures following treatment with topiramate. A comparison of two different methodologies in a randomised controlled trial.

1999 Epilepsia 40 Suppl 2 285

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

470 Leppik IE;Biton V;Sander JW;Wieser HG;

Levetiracetam and partial seizure subtypes: pooled data from three randomized, placebo-controlled trials

2003 Dec Epilepsia 44 12 1585 1587

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Pooled 3 RCTs.

Excluded Study - Reasons

715 Berg I;Butler A;Ellis M;Foster J;

Psychiatric aspects of epilepsy in childhood treated with carbamazepine, phenytoin or sodium valproate: a random trial

1993 Feb	Developmental Medicine & Child Neurology	35	2	149	157
	Dev Med Child Neurol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Partial and generalised seizures not reported seperately.

Excluded Study - Reasons

38 Naritoku DK;Hulihan JF;Schwarzman LK;Kamin M;Olson WH;

Effect of cotherapy reduction on tolerability of epilepsy add-on therapy: a randomized controlled trial

2005 Annals of 39 3 418 423
Pharmacotherapy

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Same drug either flex dose or fixed dose.

Excluded Study - Reasons

873 Valentine C;Mettert N;Mosier M;Michon AM;

A parallel group study comparing oral adjunctive vigabatrin with placebo in children with uncontrolled complex partial uncontrolled complex partial seizures

1998 Epilepsia 39 Suppl 6 166

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Limited data presentation (abstract format).

Excluded Study - Reasons

871 Shapiro DY;Nordli D;Glauser TA;Knapp LE;Greiner M;Purcell TJ;

Gabapentin as add-on therapy for refractory partial seizures in children 1û36 months of age: a novel, short-term, placebocontrolled trial

2000 Epilepsia 41 Suppl 7 106

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Limited data presentation (abstract format)

Excluded Study - Reasons

755 Van Orman CB;Ruckh S;Mosier M;

Efficacy and safety of vigabatrin in children with uncontrolled complex partial seizures: a dose response study

1998 Epilepsia 39 Suppl 6 166

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Limited data presentation (abstract format).

Excluded Study - Reasons

753 Litzinger MJ;Hanny A;

Tiagabine therapy in a small group of pediatric patients with refractory partial seizure

1998 Annals of 44 B16
 Neurology
 Ann Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Limited data presentation (abstract format).

Excluded Study - Reasons

798 Bauer J;Stawowy B;Lenders T;Bettig U;Elger CE;

Efficacy and tolerability of tiagabine: Results of an add-on study in patients with refractory partial seizures

1995 Journal of 8 1 83 86
Epilepsy

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

740 Hamandi K;Sander JW;

Pregabalin: a new antiepileptic drug for refractory epilepsy. [Review] [21 refs]

2006 Mar Seizure 15 2 73 78

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

724 Privitera M;Brodie M;Mattson R;Chadwick D;Neto W;Wang S;

Topiramate, carbamazepine and valproate monotherapy: double-blind comparison in newly diagnosed epilepsy.

2002 Janssen-Cilag

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Industry submission in HTA, combination of partial and generalised epilepsy so no figures available.

Excluded Study - Reasons

722 Schmidt D;

A randomised double-blind placebo controlled crossover add-on trial of lamotrigine in patients with treatment resistant partial seizures (Munich)

1993

Wellcome
Foundation

H34-18

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

This was an industry submission reported in the HTA. It was a crossover study where only the first phase data is reported for both arms. The end phase data is reported for the intervention group only.

Excluded Study - Reasons

544 Ryvlin P;Perucca E;Rheims S;

Pregabalin for the management of partial epilepsy

2008 Neuropsychiatric 4 6 1211 1224
Disease and
Treatment

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

719 Wilensky AJ;

A double-blind, single-center, 3-way crossover study in patients with refractory partial seizures to determine the efficacy and safety of gabapentin monotherapy compared with carbamazepine monotherapy and gabapentin/carbamazepine combination therapy and f

1996 Warner-Lambert

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Data designated commercial in confidence and removed from HTA.

Excluded Study - Reasons

487 Privitera MD;Brodie MJ;Mattson RH;Chadwick DW;Neto W;Wang S;Study Group.;

Topiramate, carbamazepine and valproate monotherapy: double-blind comparison in newly diagnosed epilepsy

2003 Mar Acta Neurologica 107 3 165 175
Scandinavica
Acta Neurol
Scand

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures were not over 80%.

Excluded Study - Reasons

700 Lopes-Lima JM;Pereira H;Sol JM;Morralla C;Hernandez G;

Gabapentin vs valproate in partial epilepsy uncontrolled by carbamazepin.

1999 European Journal of Neurology 6 Suppl 3 17
Eur J Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

695

Oxcarbazepine and cognitive function in youth with partial seizures

2006 Nov 8 11 5 5

Brown University
Child &
Adolescent
Psychopharmacology Update

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Brief article of Donati (2007) - got.

Excluded Study - Reasons

669

A study of the effectiveness and safety of topiramate in the treatment of children with epilepsy
2005

www.clinicaltrials.gov/ct/show/NCT00236743

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract for Ritter (2000).

Excluded Study - Reasons

643 Devinsky O;Elger C;

Efficacy of levetiracetam in partial seizures

2003 Epileptic 5 SUPPL. 1 S27 S31
 Disorders

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

635 Xu N;Zhu D;Xiao B;Xie G;

Impact of traditional antiepileptic and topiramate on the quality of life of adult epileptic patients

2004 Chinese Journal of Clinical Rehabilitation 8 25 5386 5388

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants did not have over 80% partial seizures.

Excluded Study - Reasons

632 Warner G;Figgitt DP;

Pregabalin: As adjunctive treatment of partial seizures

2005 CNS Drugs 19 3 265 272

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

600 Glauser TA;

Expanding first-line therapy options for children with partial seizures

2000 Neurology 55 11 SUPPL. S30 S37

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

592 Brodie MJ;

Pregabalin as adjunctive therapy for partial seizures

2004 Epilepsia 45 SUPPL. 6 19 27

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

564 Rheims S;Cucherat M;Arzimanoglou A;Ryvlin P;

Greater response to placebo in children than in adults: A systematic review and meta-analysis in drug-resistant partial epilepsy

2008 PLoS Medicine 5 8 1223 1237

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Systematic review.

Excluded Study - Reasons

720 Loiseau P;

Double-blind, multicenter trial in parallel groups comparing the safety and efficacy of Tripleptal and Tegretol as monotherapy in patients with epilepsy

1998 Novartis
Pharmaceuticals

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Data designated commercial in confidence and were removed from HTA.

Excluded Study - Reasons

120 Marson AG;Williamson PR;Taylor S;Maguire M;Chadwick DW;

Efficacy of carbamazepine and valproate as monotherapy for early epilepsy and single seizures

2006 Neurology 67 10 1872 1875

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures was not over 80% and only efficacy data provided.

Excluded Study - Reasons

164 Gillham RA;Blacklaw J;McKee PJ;Brodie MJ;

Effect of vigabatrin on sedation and cognitive function in patients with refractory epilepsy

1993 56 12 1271 1275

J Neurol
Neurosurg
Psychiatry

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Data not reported seperately for each arm for efficacy. Has only Z scores for cognitive outcomes.

Excluded Study - Reasons

160 Sveinbjornsdottir S;Sander JW;Patsalos PN;Upton D;Thompson PJ;Duncan JS;

Neuropsychological effects of tiagabine, a potential new antiepileptic drug

1994 Seizure 3 1 29 35

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

The maximum dosage used (52mg/day) was outside the usual dose maintenance (30-45mg/day).

Excluded Study - Reasons

156 Brodie MJ;Mumford JP;

Double-blind substitution of vigabatrin and valproate in carbamazepine-resistant partial epilepsy. 012 Study group

1999 Epilepsy 34 2-3 199 205
 Research

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Excluded Study - Reasons

139 Theodore WH;Raubertas RF;Porter RJ;Nice F;Devinsky O;Reeves P;Bromfield E;Ito B;Balish M;

Felbamate: a clinical trial for complex partial seizures

1991 Epilepsia 32 3 392 397

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Had only withdrawal due to adverse events that could be used but it was not clear at what point the participants dropped out of this cross-over trial.

Excluded Study - Reasons

137 Shakir RA;Johnson RH;Lambie DG;Melville ID;Nanda RN;

Comparison of sodium valproate and phenytoin as single drug treatment in epilepsy

1981 Epilepsia 22 1 27 33

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures were not over 80%.

Excluded Study - Reasons

136 Schmidt D;Rohde M;Wolf P;Roeder-Wanner U;
Clobazam for refractory focal epilepsy. A controlled trial
1986 43 8 824 826
Arch Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not randomised.

Excluded Study - Reasons

134 Sachdeo R;Kramer LD;Rosenberg A;Sachdeo S;

Felbamate monotherapy: controlled trial in patients with partial onset seizures

1992 32 3 386 392

Ann Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Includes adjunctive and monotherapy.

Excluded Study - Reasons

129 Pulliainen V;Jokelainen M;

Effects of phenytoin and carbamazepine on cognitive functions in newly diagnosed epileptic patients

1994 89 2 81 86

Acta Neurol
Scand

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures were not over 80%.

Excluded Study - Reasons

169 Aikia M;Kalviainen R;Sivenius J;Halonen T;Riekkinen PJ;

Cognitive effects of oxcarbazepine and phenytoin monotherapy in newly diagnosed epilepsy: one year follow-up

1992 11 3 199 203

Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures not over 80%.

Excluded Study - Reasons

122 Mattson RH;Cramer JA;Collins JF;

A comparison of valproate with carbamazepine for the treatment of complex partial seizures and secondarily generalized tonic-clonic seizures in adults. The Department of Veterans Affairs Epilepsy Cooperative Study No. 264 Group

1992 327 11 765 771

N Engl J Med

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Cannot use data as unsure if % or numbers as they do not equate.

Excluded Study - Reasons

117 Leppik IE;Dreifuss FE;Pledger GW;Graves NM;Santilli N;Drury I;Tsay JY;Jacobs MP;Bertram E;Cereghino JJ.;

Felbamate for partial seizures: results of a controlled clinical trial

1991 Neurology 41 11 1785 1789

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our outcomes.

Excluded Study - Reasons

118 Loiseau P;Cohadon S;Jogeix M;Legroux M;Dartigues JF;

[Efficacy of sodium valproate in partial epilepsy. Crossed study of valproate and carbamazepine]

1984 140 6-7 434 437

Rev Neurol
(Paris)

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Response conditional study.

Excluded Study - Reasons

246 Brodie MJ;Read CL;Gillham RA;Sweet RM;Kane K;

Lack of neuropsychological effects of lamotrigine compared to carbamazepine as monotherapy.

1999 Epilepsia 40 Suppl 2 94

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

114 Keene DL;Whiting S;Humphreys P;

Clobazam as an add-on drug in the treatment of refractory epilepsy of childhood

1990 17 3 317 319

Can J Neurol Sci

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

The study included 2 years old although clobazam is not recommended for under 3 years old.

Excluded Study - Reasons

511 Baulac M;Leppik IE;

Efficacy and safety of adjunctive zonisamide therapy for refractory partial seizures. [Review] [63 refs]

2007 Jul	Epilepsy Research	75	2-3	75	83
	Epilepsy Res				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

104 Canadian Study Group for Childhood Epilepsy

Clobazam has equivalent efficacy to carbamazepine and phenytoin as monotherapy for childhood epilepsy

1998 Epilepsia 39 9 952 959

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Efficacy outcomes unclear.

Excluded Study - Reasons

92 Chen YJ;Kang WM;So WC;

Comparison of antiepileptic drugs on cognitive function in newly diagnosed epileptic children: a psychometric and neurophysiological study

1996 Epilepsia 37 1 81 86

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Unable to tell if generalised is primary generalised or secondary. Participants with partial seizures were not over 80%.

Excluded Study - Reasons

89 Gram L;Klosterskov P;Dam M;

gamma-Vinyl GABA: a double-blind placebo-controlled trial in partial epilepsy

1985 Annals of Neurology 17 3 262 266

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Lack of information on placebo group.

Excluded Study - Reasons

75 Brodie MJ;Mumford JP;

Double-blind substitution of vigabatrin and valproate in carbamazepine-resistant partial epilepsy. 012 Study group

1999 Epilepsy 34 2-3 199 205
 Research

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Duotherapy and monotherapy, we can only use data up to and including phase III. Patients were titrated up to 3g and then 4g which is just under half of the people completing phase I had 4g, which was outside the therapeutic dosage.

Excluded Study - Reasons

39 Wheless JW;Neto W;Wang S;EPMN-105 S;

Topiramate, carbamazepine, and valproate monotherapy: double-blind comparison in children with newly diagnosed epilepsy

2004	Journal of Child Neurology	19	2	135	141
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures were not over 80%.

Excluded Study - Reasons

128 Placencia M;Sander JW;Shorvon SD;Roman M;Alarcon F;Bimos C;Cascante S;

Antiepileptic drug treatment in a community health care setting in northern Ecuador: a prospective 12-month assessment

1993 14 3 237 244

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants with partial seizures not over 80%.

Excluded Study - Reasons

208 Reynolds EH;Ring HA;Farr IN;Heller AJ;Elwes RD;

Open, double-blind and long-term study of vigabatrin in chronic epilepsy

1991 Epilepsia 32 4 530 538

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Responder-selected study.

Excluded Study - Reasons

109 Faught E;Sachdeo RC;Remler MP;Chayasirisobhon S;Iragui-Madoz VJ;Ramsay RE;Sutula TP;Kanner A;Harner RN;Kuzniecky R;.,;

Felbamate monotherapy for partial-onset seizures: an active-control trial

1993 Neurology 43 4 688 692

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Can not use withdrawal due to adverse events data as can't determine if monotherapy or adjunctive therapy at time of withdrawal. No seizure free data.

Excluded Study - Reasons

243 Meador K;Huliham J;Kamin R;

Topiramate (TPM) and valproate (VPA) added to carbamazepine (CBZ): effect on objective measures of cognitive function in adults with epilepsy.

2001 Epilepsia 42 Suppl 7 251

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

242 Rosenfeld WE;Abou-Khalil B;Reife R;Hegadus R;Pledger G;

Placebo-controlled trial of topiramate as adjunctive therapy to carbamazepine or phenytoin for partial onset epilepsy.

1996 Epilepsia 37 Suppl 5 153

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

241 Cordova S;Mendoza U;

High or low dose lamotrigine as add-on treatment of medically resistant epilepsy to inducer or valporate medication.

1995 Epilepsia 36 Suppl 3 S113

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

220 Bruni J;Guberman A;Vachon L;Desforges C;

Vigabatrin as add-on therapy for adult complex partial seizures: a double-blind, placebo-controlled multicentre study.
The Canadian Vigabatrin Study Group

2000 Seizure 9 3 224 232

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

75% of participants were on 4 grams whereas the maximum dosage is 3grams.

Excluded Study - Reasons

219 Provinciali L;Bartolini M;Mari F;Del PM;Ceravolo MG;

Influence of vigabatrin on cognitive performances and behaviour in patients with drug-resistant epilepsy

1996 94 1 12 18

Acta Neurol
Scand

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Ongoing single-blind trial. Efficacy outcomes unclear.

Excluded Study - Reasons

214 Crawford P;Meinardi H;Brown S;Rentmeester TW;Pedersen B;Pedersen PC;Lassen LC;

Tiagabine: efficacy and safety in adjunctive treatment of partial seizures

2001 Epilepsia 42 4 531 538

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Mean daily dose above usual dosage range and recommended maximum.

Excluded Study - Reasons

213 Richens A;Chadwick DW;Duncan JS;Dam M;Gram L;Mikkelsen M;Morrow J;Mengel H;Shu V;McKelvy JF;;

Adjunctive treatment of partial seizures with tiagabine: a placebo-controlled trial

1995 21 1 37 42

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Responder trial. Patients had 12 weeks open label with active treatment; only people without unacceptable adverse events and those who responded were included.

Excluded Study - Reasons

198 Dam M;Ekberg R;Loyning Y;Waltimo O;Jakobsen K;

A double-blind study comparing oxcarbazepine and carbamazepine in patients with newly diagnosed, previously untreated epilepsy

1989 3 1 70 76

Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Trial included participants with PGTC and partial with or without secondary generalisation but no figures were given.

Excluded Study - Reasons

244 Czapinski P;Terczynski A;Czapinska E;

Open randomized comparative study of vigabatrin (VGB) and lamotrigine (LTG) efficacy in monotherapy of patients with drug-resistant epilepsy with partial complex seizures resistant to carbamazepine (CBZ) (Abstract).

1997 Journal of Neurological Sciences 150 Suppl 1 S96

Study Type

- Study Design-wrong for question
- Study Quality- methods_execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Abstract.

Excluded Study - Reasons

188 Leach JP;Girvan J;Paul A;Brodie MJ;

Gabapentin and cognition: a double blind, dose ranging, placebo controlled study in refractory epilepsy

1997 62 4 372 376

J Neurol
Neurosurg
Psychiatry

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

50% responder result given for intervention arm only. The only outcome available was withdrawal due to adverse events but it is unclear how many patients were exposed in each arm.

Excluded Study - Reasons

195 Reunanen M;Dam M;Yuen AW;

A randomised open multicentre comparative trial of lamotrigine and carbamazepine as monotherapy in patients with newly diagnosed or recurrent epilepsy

1996 23 2 149 155

Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Excluded due to mixed population (newly diagnosed and refractory) and mixed partial and/or generalized seizures without information on the proportions of each seizure type (could not assess contamination). Results are presented for the whole group.

Excluded Study - Reasons

191 Reinikainen KJ;Keranen T;Halonen T;Komulainen H;Riekkinen PJ;

Comparison of oxcarbazepine and carbamazepine: a double-blind study

1987 1 5 284 289

Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

None of our outcomes given except adverse events and although the majority had partial seizures (15/46) compared to generalised seizures (10/46) there were 9 with mixed seizure types and 2 were unclassifiable.

Excluded Study - Reasons

Reviewer Anne Morgan

163 Binnie CD;Beintema DJ;Debets RM;Van Emde BW;Meijer JW;Meinardi H;Peck AW;Westendorp AM;Yuen WC;

Seven day administration of lamotrigine in epilepsy: placebo-controlled add-on trial

1987 1 3 202 208

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Only patients who were treated and followed-up for 7 days. No washout period. 10 participants, crossover study. It was an exploratory study only and was not intended to provide significant evidence of efficacy.

Excluded Study - Reasons

185 Beran RG;Berkovic SF;Buchanan N;Danta G;Mackenzie R;Schapel G;Sheean G;Vajda F;

A double-blind, placebo-controlled crossover study of vigabatrin 2 g/day and 3 g/day in uncontrolled partial seizures

1996 Seizure 5 4 259 265

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Reports 50% responder rate but does not give for each arm. Seizure freedom and withdrawal due to adverse events was unclear which arm.

Excluded Study - Reasons

433 Sobaniec W;Kulak W;Strzelecka J;Smigielska-Kuzia J;Bockowski L;

A comparative study of vigabatrin vs. carbamazepine in monotherapy of newly diagnosed partial seizures in children

2005 Sep Pharmacological 57 5 646 653
 Reports: PR

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

No efficacy outcomes. The study was on monotherapy for focal seizures in children and the only efficacy outcome reported was >50% reduction in seizure frequency,

Excluded Study - Reasons

Reviewer Julie Neilson

149 de Silva M;MacArdle B;McGowan M;Hughes E;Stewart K;Neville BG;

Randomised comparative monotherapy trial of phenobarbitone, phenytoin, carbamazepine, or sodium valproate for newly diagnosed childhood epilepsy.

1996 Lancet 347 709 713

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

It was excluded due to contamination; the proportion of participants with partial seizures were 50%.

Excluded Study - Reasons

Reviewer Kathy DeMott

180 Boon P;Chauvel P;Pohlmann-Eden B;Otoul C;Wroe S;

Dose-response effect of levetiracetam 1000 and 2000 mg/day in partial epilepsy

2002 48 1-2 77 89

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Crossover study with no washout period and phase 1 data are reported separately in Shorvon (2000) which has been included in the review.

Excluded Study - Reasons

103 Devinsky O;Faught RE;Wilder BJ;Kanner AM;Kamin M;Kramer LD;Rosenberg A;

Efficacy of felbamate monotherapy in patients undergoing presurgical evaluation of partial seizures

1995 20 3 241 246

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our outcomes. Patients undergoing presurgical evaluation.

Excluded Study - Reasons

206 Betts T;Waegemans T;Crawford P;

A multicentre, double-blind, randomized, parallel group study to evaluate the tolerability and efficacy of two oral doses of levetiracetam, 2000 mg daily and 4000 mg daily, without titration in patients with refractory epilepsy

2000	Seizure	9	2	80	87
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Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Number of participants with partial seizures not over 80%.

Excluded Study - Reasons

193 Brodie MJ;Overstall PW;Giorgi L;

Multicentre, double-blind, randomised comparison between lamotrigine and carbamazepine in elderly patients with newly diagnosed epilepsy. The UK Lamotrigine Elderly Study Group

1999 37 1 81 87

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

All participants were elderly.

Excluded Study - Reasons

126 Mitchell WG;Chavez JM;

Carbamazepine versus phenobarbital for partial onset seizures in children

1987 Epilepsia 28 1 56 60

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Some non-randomised participants.

Excluded Study - Reasons

Reviewer Pauline Savigny

205 Boas J;Dam M;Friis ML;Kristensen O;Pedersen B;Gallagher J;

Controlled trial of lamotrigine (Lamictal) for treatment-resistant partial seizures

1996 94 4 247 252

Acta Neurol
Scand

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Crossover study with the only outcome available withdrawal due to adverse events and 18/56 did not complete study.

Excluded Study - Reasons

186 Banks GK;Beran RG;

Neuropsychological assessment in lamotrigine treated epileptic patients

1991 28 230 237

Clin Exp Neurol

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Subset of Schapel study (1993).

Excluded Study - Reasons

Question 2 How effective and cost-effective are anti-epileptic drugs for primary generalised tonic-clonic seizures

Reviewer

712 Vining EP;Mellitis ED;Dorsen MM;Cataldo MF;Quaskey SA;Spielberg SP;Freeman JM;

Psychologic and behavioral effects of antiepileptic drugs in children: a double-blind comparison between phenobarbital and valproic acid

1987 Aug 80 2 165 174

Pediatrics

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

There were 11 participants with partial complex seizures and 9 participants with tonic-clonic seizures, but unsure whether this is primary or secondary generalised tonic-clonic seizures. Data not seperated for the two types of seizures.

Excluded Study - Reasons

822 Weber S;Beran RG;

A pilot study of compassionate use of Levetiracetam in patients with generalised epilepsy848

2004 Journal of Clinical Neuroscience 11 7 728 731

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

749 Eriksson AS;Nergardh A;Hoppu K;

The efficacy of lamotrigine in children and adolescents with refractory generalized epilepsy: a randomized, double-blind, crossover study

1998 Epilepsia 39 5 495 501

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Majority of participants had Lennox Gastaut syndrome.

Excluded Study - Reasons

140 Thilothammal N;Banu K;Ratnam RS;

Comparison of phenobarbitone, phenytoin with sodium valproate: randomized, double-blind study

1996 33 7 549 555

Indian Pediatr

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our efficacy outcomes.

Excluded Study - Reasons

725 Baulac M;

Randomized, double-blind, parallel-group, multi-centre study of safety and efficacy of tiagabine versus valproate as monotherapy in patients with newly diagnosed primary generalised tonic-clonic seizures

2001 Sanofi Synthelabo

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not over 60% pgtc.

Excluded Study - Reasons

723 Brodie MJ;Chadwick DW;Anhut H;Otte A;Messmer S;Matou S;

Gabapentin versus lamotrigine monotherapy: a double-blind comparison in newly diagnosed epilepsy.

2002 Western Infirmary

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Majority of population had focal seizures.

Excluded Study - Reasons

Reviewer Julie Neilson

864 Schmidt D;Jacob R;Loiseau P;Deisenhammer E;Klinger D;Despland A;Egli M;Bauer G;Stenzel E;Blankenhorn V;

Zonisamide for add-on treatment of refractory partial epilepsy: a European double-blind trial

1993 May Epilepsy Research 15 1 67 73

Epilepsy Res

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Secondary generalised not primary generalised.

Excluded Study - Reasons

143 Verity CM;Hosking G;Easter DJ;

A multicentre comparative trial of sodium valproate and carbamazepine in paediatric epilepsy. The Paediatric EPITEG Collaborative Group

1995 37 2 97 108

Dev Med Child
Neurol

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

GTC not over 60%.

Excluded Study - Reasons

407 Trevathan E;Kerls SP;Hammer AE;Vuong A;Messenheimer JA;

Lamotrigine adjunctive therapy among children and adolescents with primary generalized tonic-clonic seizures.[see comment]

2006 Aug 118 2 e371 e378

Pediatrics

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

This was an open label continuation of Biton (2005) where the patients were offered open-label lamotrigine for up to 1 year. Post-hoc analysis.

Excluded Study - Reasons

396 Ettinger AB;Kustra RP;Hammer AE;

Effect of lamotrigine on depressive symptoms in adult patients with epilepsy

2007 Feb Epilepsy & 10 1 148 154
 Behavior

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Post-hoc analysis.

Excluded Study - Reasons

151 Heller AJ;Chesterman P;Elwes RD;Crawford P;Chadwick D;Johnson AL;

Phenobarbitone, phenytoin, carbamazepine, or sodium valproate for newly diagnosed adult epilepsy: a randomised comparative monotherapy trial.

1995 Journal of Neurology, Neurosurgery, and Psychiatry 58 1 44 50

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Majority GTC seizures but not over 60%.

Excluded Study - Reasons

35 Kerr MP;Baker GA;Brodie MJ;

A randomized, double-blind, placebo-controlled trial of topiramate in adults with epilepsy and intellectual disability: impact on seizures, severity, and quality of life

2005	Epilepsy & Behavior	7	3	472	480
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Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

The outcomes seperated by seizure type are not those which we are including for primary generalised tonic-clonic seizure question.

Excluded Study - Reasons

175 Chadwick D;Leiderman DB;Sauermann W;Alexander J;Garofalo E;

Gabapentin in generalized seizures

1996 25 3 191 197

Epilepsy Res

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Gabapentin not one of drugs listed in KCQ for primary tonic-clonic seizures.

Excluded Study - Reasons

483 Biton V;Levisohn P;Hoyler S;Vuong A;Hammer AE;

Lamotrigine versus valproate monotherapy-associated weight change in adolescents with epilepsy: results from a post hoc analysis of a randomized, double-blind clinical trial

2003 Feb	Journal of Child Neurology	18	2	133	139
	J Child Neurol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Post-hoc analysis.

Excluded Study - Reasons

Reviewer Kathy DeMott

95 Richens A;Davidson DL;Cartlidge NE;Easter DJ;

A multicentre comparative trial of sodium valproate and carbamazepine in adult onset epilepsy. Adult EPITEG Collaborative Group

1994 57 6 682 687

J Neurol
Neurosurg
Psychiatry

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

PGTC seizures not over 60%. Some data given separately but given as % and denominator unknown, as not number randomised.

Excluded Study - Reasons

Reviewer Katrina Sparrow

750 The Felbamate Study Group in Lennox Gastaut syndrome;

Efficacy of felbamate in childhood epileptic encephalopathy (Lennox-Gastaut syndrome).

1993 New England 328 1 29 33
Journal of
Medicine

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Felbamate is not a drug included in KCQ for primary generalised tonic-clonic seizures.

Excluded Study - Reasons

751 Glauser T;Kluger G;Sachdeo R;Krauss G;Perdomo C;Arroyo S;

Rufinamide for generalized seizures associated with Lennox-Gastaut syndrome.[see comment]

2008 May 20 Neurology 70 21 1950 1958

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Rufinamide not listed as KCQ for primary generalised tonic-clonic seizures.

Excluded Study - Reasons

752 Motte J;Trevathan E;Arvidsson JF;Barrera MN;Mullens EL;Manasco P;

Lamotrigine for generalized seizures associated with the Lennox-Gastaut syndrome. Lamictal Lennox-Gastaut Study Group.[erratum appears in N Engl J Med 1998 Sep 17;339(12):851-2]

1997 New England Journal of Medicine 337 25 1807 1812

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods_execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

All patients had Lennox Gastaut Syndrome, so included in LGS review.

Excluded Study - Reasons

Question 3 How effective and cost-effective are anti-epileptic drugs for absence seizures

Reviewer Julie Neilson

352 Striano P;Sofia V;Capovilla G;Rubboli G;Di BC;Coppola A;Vitale G;Fontanillas L;Giallonardo AT;Biondi R;Romeo A;Viri M;Zara F;Striano S;

A pilot trial of levetiracetam in eyelid myoclonia with absences (Jeavons syndrome)

2008 Mar Epilepsia 49 3 425 430

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not an RCT.

Excluded Study - Reasons

Reviewer Katrina Sparrow

71 Frank LM;Enlow T;Holmes GL;Manasco P;Concannon S;Chen C;Womble G;Casale EJ;

Lamictal (lamotrigine) monotherapy for typical absence seizures in children.[see comment]

1999 Epilepsia 40 7 973 979

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

The dose escalation phase was not a randomised phase. The double-blind phase was not the correct outcome as they picked the children who had become seizure free in the non-randomised dose escalation phase. Therefore the result was those who remained seizure free rather than those who became seizure free, not one of our outcomes.

Excluded Study - Reasons

Question 4 How effective and cost-effective are anti-epileptic drugs for myoclonic seizures

Reviewer

116 Koskiniemi M;Van VB;Hakamies L;Lamusuo S;Taalas J;

Piracetam relieves symptoms in progressive myoclonus epilepsy: a multicentre, randomised, double blind, crossover study comparing the efficacy and safety of three dosages of oral piracetam with placebo

1998 64 3 344 348

J Neurol
Neurosurg
Psychiatry

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our outcomes.

Excluded Study - Reasons

290 Brown P;Steiger MJ;Thompson PD;Rothwell JC;Day BL;Salama M;Waegemans T;Marsden CD;

Effectiveness of piracetam in cortical myoclonus

1993 Movement Disorders 8 1 63 68

Mov Disord

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Only those who were successful in run-in phase with piracetam were included in controlled trial.

Excluded Study - Reasons

Question 7 How effective and cost-effective are anti-epileptic drugs for Childhood absence epilepsy

Reviewer Julie Neilson

141 Trudeau V;Myers S;LaMoreaux L;Anhut H;Garofalo E;Ebersole J;
Gabapentin in naive childhood absence epilepsy: results from two double-blind, placebo-controlled, multicenter studies
1996 11 6 470 475
J Child Neurol
Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Gabapentin was not a drug on the KCQ list for absence seizures.

Excluded Study - Reasons

Question 10 How effective and cost-effective are anti-epileptic drugs for Infantile spasms

Reviewer Julie Neilson

36 Lux AL;Edwards SW;Hancock E;Johnson AL;Kennedy CR;Newton RW;O'Callaghan FJ;Verity CM;Osborne JP;

The United Kingdom Infantile Spasms Study comparing vigabatrin with prednisolone or tetracosactide at 14 days: a multicentre, randomised controlled trial

2004 Lancet 364 9447 1773 1778

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Prednisolone and tetracosactide not seperated. Results of first phase reported in Lux (2004) {4649}.

Excluded Study - Reasons

40 Debus OM;Kurlemann G;Study g;

Sulthiame in the primary therapy of West syndrome: a randomized double-blind placebo-controlled add-on trial on baseline pyridoxine medication

2004 Epilepsia 45 2 103 108

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Sulthiame is not drug included for this question.

Excluded Study - Reasons

Question 11 How effective and cost-effective are anti-epileptic drugs for Benign rolandic epilepsy/benign epilepsy with

Reviewer

870 Bourgeois B;Brown LW;Pellock JM;Buroker M;Greiner M;Garofalo EA;

Gabapentin (Neurontin) monotherapy in children with benign childhood epilepsy with centrotemporal spikes (BECTS): a 36-week, double-blind, placebocontrolled study

1998 Epilepsia 39 Suppl 6 163

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

No data regarding the outcome measures.

Excluded Study - Reasons

Question 15 How effective and cost-effective are anti-epileptic drugs for Lennox-Gastaut syndrome

Reviewer

590 Kluger G;Bauer B;

Role of rufinamide in the management of Lennox-Gastaut syndrome (childhood epileptic encephalopathy)

2007	Neuropsychiatric Disease and Treatment	3	1	3	11
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

831 Eriksson AS;Nergardh A;Hoppu K;

The efficacy of lamotrigine in children and adolescents with refractory generalized epilepsy: a randomized, double-blind, crossover study

1998 Epilepsia 39 5 495 501

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Excluded Study - Reasons

Question 18 Which AEDs are clinically effective and cost-effective for people with Convulsive status epilepticus?

Reviewer

264 Gilbert DL;Gartside PS;Glauser TA;

Efficacy and mortality in treatment of refractory generalized convulsive status epilepticus in children: a meta-analysis

1999 14 9 602 609

J Child Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

48 Bhattacharyya M;Kalra V;Gulati S;

Intranasal midazolam vs rectal diazepam in acute childhood seizures

2006 Pediatric 34 5 355 359
 Neurology

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Does not define acute childhood seizures.

Excluded Study - Reasons

579 Trinká E;

The use of valproate and new antiepileptic drugs in status epilepticus

2007 Epilepsia 48 SUPPL. 8 49 51

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

260 Claassen J;Hirsch LJ;Emerson RG;Mayer SA;

Treatment of refractory status epilepticus with pentobarbital, propofol, or midazolam: a systematic review

2002 Epilepsia 43 2 146 153

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Systematic review.

Excluded Study - Reasons

263 Gilbert DL;Glauser TA;

Complications and costs of treatment of refractory generalized convulsive status epilepticus in children

1999 14 9 597 601

J Child Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

792 Frucht SJ;Bordelon Y;Houghton WH;Reardan D;

A pilot tolerability and efficacy trial of sodium oxybate in ethanol-responsive movement disorders777

2005	Movement Disorders	20	10	1330	1337
	Mov Disord				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

800 Feely M;Calvert R;Gibson J;

Clobazam in catamenial epilepsy. A model for evaluating anticonvulsants1151

1982 Lancet 2 8289 71 73

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

799 Crawford P;Chadwick D;

A comparative study of progabide, valproate, and placebo as add-on therapy in patients with refractory epilepsy1126

1986	Journal of Neurology Neurosurgery and Psychiatry	49	11	1251	1257
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

797 Swaminathan S;Sawhney IMS;Jain S;Garg SK;

Profile of status epilepticus - A prospective study1013

1998 Neurology India 46 4 279 283
Neurol India

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

796 Holden KR;Titus MO;

The effect of tiagabine on spasticity in children with intractable epilepsy: A pilot study

1999	Pediatric Neurology	21	4	728	730
	Pediatr Neurol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

795 Leppik IE;Cloyd JC;

Cost-effective therapies in nursing home patients with epilepsy and seizures936

2002 Journal of the 3 4 SUPPL. H12 H16
American
Medical Directors
Association

Study Type

- Study Design-wrong for question
- Study Quality- methods_execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

785 Milligan NM;Dhillon S;Griffiths A;Oxley J;Richens A;

A clinical trial of single dose rectal and oral administration of diazepam for the prevention of serial seizures in adult epileptic patients496

1984 Mar	Journal of Neurology, Neurosurgery & Psychiatry	47	3	235	240
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not comparing drugs.

Excluded Study - Reasons

793 Vakkuri AP;Seitsonen ER;Jantti VH;Sarkela M;Korttila KT;Paloheimo MPJ;Yli-Hankala AM;

A rapid increase in the inspired concentration of desflurane is not associated with epileptiform encephalogram789

2005	Anesthesia and Analgesia	101	2	396	400
	Anesth Analg				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

803 Andermann F;Cendes F;Sherwin A;McGoldrick J;Langendorf F;McLachlan R;Purves S;Jones M;Asconape J;Pierre-Louis S;Unwin D;and GL;

A dose-response study of intravenous lorazepam in the treatment of status epilepticus

1994	Epilepsia	35	10
		Suppl 8	

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

791 Meierkord H;Boon P;Engelsen B;Gocke K;Shorvon S;Tinuper P;Holtkamp M;

EFNS guideline on the management of status epilepticus733

2006 European Journal of Neurology 13 5 445 450
Eur J Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

790 Glauser T;Ben-Menachem E;Bourgeois B;Cnaan A;Chadwick D;Guerreiro C;Kalviainen R;Mattson R;Perucca E;Tomson T;

ILAE treatment guidelines: Evidence-based analysis of antiepileptic drug efficacy and effectiveness as initial monotherapy for epileptic seizures and syndromes723

2006 Epilepsia 47 7 1094 1120

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

789 Faught E;

Topiramate in the treatment of partial and generalized epilepsy616

2007	Neuropsychiatric Disease and Treatment	3	6	811	821
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT. Not status epilepticus.

Excluded Study - Reasons

788 Knake S;Gruener J;Hattemer K;Klein KM;Bauer S;Oertel WH;Hamer HM;Rosenow F;

Intravenous levetiracetam in the treatment of benzodiazepine refractory status epilepticus590

2008	Journal of Neurology, Neurosurgery and Psychiatry	79	5	588	589
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

787 Gordon NS;

Treatment of status epilepticus with diazepam525

1966 Dec	Developmental Medicine & Child Neurology	8	6	668	672
	DEV MED CHILD NEUROL				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

786 Troupin AS;Friel P;Wilensky AJ;Morretti-Ojemann L;Levy RH;Feigl P;

Evaluation of clorazepate (Tranxene) as an anticonvulsant--a pilot study508

1979 Apr Neurology 29 4 458 466

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

794 Rowan AJ;Kelly KM;Birnbaum AK;

Epilepsy later in life: Managing the unique problems of seizures in the elderly809

2005 Geriatrics 60 5 SUPPL. 3 20

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

810 Marshall T;

A systematic review of the use of buccal midazolam in the emergency treatment of prolonged seizures in adults with learning disabilities¹⁴³⁴

2007 35 2 99 101

British Journal of
Learning
Disabilities

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

973 Rossetti AO;Milligan TA;Vulliemoz S;Michaelides C;Bertschi M;Lee JW;

A randomized trial for the treatment of refractory status epilepticus

2011 Feb	Neurocritical care	14	1	4	10
	Neurocrit Care				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

The study was stopped after 3 years as they received insufficient number of participants who were required for the study. The study did not separate the results for barbiturates.

Excluded Study - Reasons

824 Czapinski P;

Prospective randomized study of the efficacy and tolerability of phenytoin and phenobarbital in status epilepticus

1995 Journal of Neurology 242 Suppl 2 S83
J Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

820 Rivera R;Segnini M;Baltodano A;Perez V;

Midazolam in the treatment of status epilepticus in children.[see comment]99

1993 Critical Care 21 7 991 994
Medicine

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

817 Fisher R;Kalviainen R;Tanganelli P;Regesta G;

Newer antiepileptic drugs as monotherapy: Data on vigabatrin1052

1996 Neurology 47 1 SUPPL. S2 S5

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

816 Fakhoury T;Chumley A;salem-Owen M;

Effectiveness of diazepam rectal gel in adults with acute repetitive seizures and prolonged seizures: a single-center experience³⁴⁵

2007	Epilepsy & Behavior	11	3	357	360
------	------------------------	----	---	-----	-----

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

815 Denzel D;Burstein AH;

Midazolam in refractory epilepticus266

1996	Annals of Pharmacotherapy	30	12	1481	1483
	Ann Pharmacother				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

801 Kriel RL;Cloyd JC;Hadsall RS;Carlson AM;Floren KL;Jones-Saete CM;

Home use of rectal diazepam for cluster and prolonged seizures: efficacy, adverse reactions, quality of life and cost analysis

1991	Pediatric Neurology Pediatr Neurol	7	1	13	17
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

811 McArthur J;

Review: lorazepam provides the best control for status epilepticus1467

2006 9 3 78 78

Evidence-Based
Nursing

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

802 Lahat E;

A prospective, randomized study comparing intramuscular midazolam with intravenous diazepam for the treatment of seizures in children1213

1997	Pediatric Emergency Care	13	6	449
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Letter to editor.

Excluded Study - Reasons

809 Vernon-Levett P;

Commentary on Midazolam in the treatment of status epilepticus in children [original article by Rivera R et al appears in CRIT CARE MED 1993;21(7):991-4]1418

1994 4 1 18 19

AACN Nursing
Scan In Critical
Care

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

808 Fitzgerald BJ;Okos AJ;Miller JW;

Treatment of out-of-hospital status epilepticus with diazepam rectal gel1307

2003 Seizure 12 1 52 55

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

807 Pavlidou E;Tzitiroidou M;Ramantani G;Panteliadis C;

[Indications for intermittent diazepam prophylaxis in febrile seizures]1289

2006 218 5 264 269

Klinische
Pädiatrie

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Foreign language.

Excluded Study - Reasons

805 Corni;Palmarin La;R.;

A double-blind crossover controlled study of lorazepam (Wy 4036) and diazepam1275

1976 3 9 668 671

Current Medical
Research and
Opinion

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not randomised. Not status epilepticus.

Excluded Study - Reasons

804 Treiman DM;De Giorgio CM;Ben-Menachem E;Gehret D;Nelson L;Salisbury SM;Barber KO;Wickboldt CL;

Lorazepam versus phenytoin in the treatment of generalized convulsive status epilepticus: report of an ongoing study

1985 Neurology 35 4 284
Suppl 1

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

818 Jawad S;Oxley J;Yuen WC;Richens A;

The effect of lamotrigine, a novel anticonvulsant, on interictal spikes in patients with epilepsy488

1986 British Journal of 22 2 191 193
Clinical
Pharmacology
Br J Clin
Pharmacol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

814 Collins JF;

Data and safety monitoring board issues raised in the VA Status Epilepticus Study382

2003	Controlled Clinical Trials	24	1	71	77
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our outcomes.

Excluded Study - Reasons

696 Lewena S;Young S;

When benzodiazepines fail: How effective is second line therapy for status epilepticus in children?

2006 Feb 18 1 45 50

Emergency
Medicine
Australasia

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT, retrospective study.

Excluded Study - Reasons

765 Boey WK;Lai FO;

Comparison of propofol and thiopentone as anaesthetic agents for electroconvulsive therapy

1990 Aug Anaesthesia 45 8 623 628

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

764 Borgeat A;Dessibourg C;Popovic V;Meier D;Blanchard M;Schwander D;

Propofol and spontaneous movements: an EEG study

1991 Jan Anesthesiology 74 1 24 27

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

No status epilepticus.

Excluded Study - Reasons

762 Scott RC;Besag FM;Boyd SG;Berry D;Neville BG;

Buccal absorption of midazolam: pharmacokinetics and EEG pharmacodynamics63

1998 Mar Epilepsia 39 3 290 294

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not outcomes. Not comparisons.

Excluded Study - Reasons

761 Grant R;Shorvon SD;

Efficacy and tolerability of 1000-4000 mg per day of levetiracetam as add-on therapy in patients with refractory epilepsy³⁴

2000 Dec	Epilepsy Research Epilepsy Res	42	2-3	89	95
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT. Dose escalation.

Excluded Study - Reasons

756 Kriel, R.L

Rectal diazepam gel for treatment of acute repetitive seizures.

1999 20 4 282 288

The North
American
Diastat Study
Group

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Combination of two studies.

Excluded Study - Reasons

766 Walker JE;Homan RW;Crawford IL;

Lorazepam: a controlled trial in patients with intractable partial complex seizures110

1984 Aug Epilepsia 25 4 464 466

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

784 Remy C;Jourdil N;Villemain D;Favel P;Genton P;

Intrarectal diazepam in epileptic adults465

1992 Mar Epilepsia 33 2 353 358

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Different dosages only comparison.

Excluded Study - Reasons

303 Hayashi K;Sakauchi M;Oguni H;Osawa M;

Efficacy of continuous intravenous lidocaine in the management of clusters of seizures

2000 Journal of Tokyo Women's Medical College 70 SUPPL. JUN E32 E39

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

541 Chen L;Feng P;Wang J;Liu L;Zhou D;

Intravenous sodium valproate in mainland China for the treatment of diazepam refractory convulsive status epilepticus

2009 Journal of Clinical Neuroscience 16 4 524 526

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

498 Ogutu BR;Newton CR;Muchohi SN;Otieno GO;Kokwaro GO;

Phenytoin pharmacokinetics and clinical effects in African children following fosphenytoin and chloramphenicol coadministration

2002 Dec	British Journal of Clinical Pharmacology	54	6	635	642
	Br J Clin Pharmacol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

821 Stromgren LS;Dahl J;Fjeldborg N;Thomsen A;

Factors influencing seizure duration and number of seizures applied in unilateral electroconvulsive therapy. Anaesthetics and benzodiazepines506

1980 Acta Psychiatrica 62 2 158 165
Scandinavica

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

440 Brevoord JC;Joosten KF;Arts WF;van Rooij RW;de HM;

Status epilepticus: clinical analysis of a treatment protocol based on midazolam and phenytoin

2005 Jun Journal of Child Neurology 20 6 476 481
J Child Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT. Retrospective study.

Excluded Study - Reasons

436 Shah I;Deshmukh CT;

Intramuscular midazolam vs intravenous diazepam for acute seizures

2005 Aug Indian Journal of Pediatrics 72 8 667 670

Indian J Pediatr

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Does not define acute convulsions.

Excluded Study - Reasons

300 Singh AN;Le MP;

Treatment of status epilepticus with intravenous clonazepam

1982	Progress in Neuro- Psychopharmacol ogy & Biological Psychiatry	6	4-6	539	542
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

774 Olsen KB;Tauboll E;Gjerstad L;

Valproate is an effective, well-tolerated drug for treatment of status epilepticus/serial attacks in adults349

2007	Acta Neurologica Scandinavica	Supple ment	51	54
	Acta Neurol Scand			

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

767 Sorel L;Mechler L;Harmant J;

Comparative trial of intravenous lorazepam and clonazepam im status epilepticus115

1981	Clinical Therapeutics	4	4	326	336
	Clin Ther				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

781 Rantala H;Saukkonen AL;Remes M;Uhari M;

Efficacy of five days' barbiturate anesthesia in the treatment of intractable epilepsies in children425

1999 Dec Epilepsia 40 12 1775 1779

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

780 Norris E;Marzouk O;Nunn A;McIntyre J;Choonara I;

Respiratory depression in children receiving diazepam for acute seizures: a prospective study.[see comment]418

1999 May	Developmental Medicine & Child Neurology	41	5	340	343
	DEV MED CHILD NEUROL				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

778 Harbord MG;Kyrkou NE;Kyrkou MR;Kay D;Coulthard KP;

Use of intranasal midazolam to treat acute seizures in paediatric community settings370

2004 Sep Journal of 40 9-10 556 558
Paediatrics &
Child Health

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

777 O'Dell C;Shinnar S;Ballaban-Gil KR;Hornick M;Sigalova M;Kang H;Moshe SL;

Rectal diazepam gel in the home management of seizures in children359

2005 Sep	Pediatric Neurology	33	3	166	172
	Pediatr Neurol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

711 Kuisma M;Roine RO;

Propofol in prehospital treatment of convulsive status epilepticus

1995 Dec Epilepsia 36 12 1241 1243

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Brief communication.

Excluded Study - Reasons

775 Pavlidou E;Tzitziridou M;Panteliadis C;

Effectiveness of intermittent diazepam prophylaxis in febrile seizures: long-term prospective controlled study350

2006 Dec Journal of Child Neurology 21 12 1036 1040
J Child Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

782 Mitchell WG;Conry JA;Crumrine PK;Kriel RL;Cereghino JJ;Groves L;Rosenfeld WE;

An open-label study of repeated use of diazepam rectal gel (Diastat) for episodes of acute breakthrough seizures and clusters: safety, efficacy, and tolerance. North American Diastat Group426

1999 Nov Epilepsia 40 11 1610 1617

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

783 Sharief MK;Sander JW;Shorvon SD;

The effect of oral flumazenil on interictal epileptic activity: results of a double-blind, placebo-controlled study458

1993 May	Epilepsy Research	15	1	53	60
	Epilepsy Res				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not drug from KCQ.

Excluded Study - Reasons

773 Uges JW;van H;Engelsman J;Wilms EB;Touw DJ;Peeters E;Vecht CJ;

Safety and pharmacokinetics of intravenous levetiracetam infusion as add-on in status epilepticus340

2009 Mar Epilepsia 50 3 415 421

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

772 Rickels K;Case G;Downing RW;Winokur A;

Long-term diazepam therapy and clinical outcome

1983	Journal of the American Medical Association	250	6	767	771
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Study Type

- Study Design-wrong for question
- Study Quality- methods_execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

771 Overweg J;Binnie CD;Meijer JWA;

Double-blind placebo-controlled trial of flunarizine as add-on therapy in epilepsy331

1984 Epilepsia 25 2 217 222

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not drug in KCQ.

Excluded Study - Reasons

770 Gherpelli JLD;Guerreiro MM;Da Costa JC;Rotta NT;Manreza MLG;Reed UC;Diament A;Silva EA;Guerreiro CAM;Nunes ML;Palmini A;Vega-Gutierrez L;Vizioli J;Pedroso F;Chiste MA;

Vigabatrin in refractory childhood epilepsy. The Brazilian multicenter study

1997	Epilepsy Research Epilepsy Res	29	1	1	6
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

768

Erratum: A comparison of lorazepam, diazepam, and placebo for the treatment of out-of-hospital status epilepticus (Journal of Medicine (August 30, 2001) 345 (631-637))

2001	New England Journal of Medicine N ENGL J MED	345	25	1860
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

776 Mittal P;Manohar R;Rawat AK;

Comparative study of intranasal midazolam and intravenous diazepam sedation for procedures and seizures351

2006 Nov Indian Journal of Pediatrics 73 11 975 978
Indian J Pediatr

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not status epilepticus.

Excluded Study - Reasons

Reviewer Julie Neilson

258 Cereghino JJ;Cloyd JC;Kuzniecky RI;

Rectal diazepam gel for treatment of acute repetitive seizures in adults

2002 59 12 1915 1920

Arch Neurol

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Combination of two trials - see Cereghino (1998) and Dreifuss (1998).

Excluded Study - Reasons

270 Stecker MM;Kramer TH;Raps EC;O'Meeghan R;Dulaney E;Skaar DJ;

Treatment of refractory status epilepticus with propofol: clinical and pharmacokinetic findings

1998 Epilepsia 39 1 18 26

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not an RCT

Excluded Study - Reasons

Question 19 Which AEDs are clinically effective and cost-effective for people with Non-Convulsive status epilepticus?

Reviewer

729 Gilad R;Izkovitz N;Dabby R;Rapoport A;Sadeh M;Weller B;Lamp Y;

Treatment of status epilepticus and acute repetitive seizures with i.v. valproic acid vs phenytoin

2008 Nov Acta Neurologica Scandinavica 118 5 296 300

Acta Neurol
Scand

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

The population was ARS and Status epilepticus together. The outcomes were not separated apart from for rescue medication which was not one of our outcomes

Excluded Study - Reasons

301 Jagoda A;Riggio S;

Nonconvulsive status epilepticus in adults

1988 American Journal of Emergency Medicine 6 3 250 254
Am J Emerg Med

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT, review.

Excluded Study - Reasons

302 Rodin E;Klutke G;Chayasirisobohn S;

Epileptic patients who are refractory to anticonvulsant medications

1982 Neurology 32 12 1382 1384

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

304 Schulze-Bonhage A;Hefft S;Oehl B;

Termination of complex partial status epilepticus by intravenous levetiracetam

2009 Aug Journal of 80 8 931 933
Neurology,
Neurosurgery &
Psychiatry

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

760 Narayanan JT;Murthy JM;

Nonconvulsive status epilepticus in a neurological intensive care unit: profile in a developing country

2007 May Epilepsia 48 5 900 906

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT. Not outcomes.

Excluded Study - Reasons

769 Tomson T;Svanborg E;Wedlund JE;

Nonconvulsive status epilepticus: high incidence of complex partial status

1986 May Epilepsia 27 3 276 285

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT. Not pharmacological treatment of NCSE.

Excluded Study - Reasons

779 Dennis LJ;Claassen J;Hirsch LJ;Emerson RG;Connolly ES;Mayer SA;Awad IA;Luders HO;

Nonconvulsive status epilepticus after subarachnoid hemorrhage

2002 Neurosurgery 51 5 1136 1144

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

823 Abend NS;Monk HM;Licht DJ;Dlugos DJ;

Intravenous levetiracetam in critically ill children with status epilepticus or acute repetitive seizures

2009 Pediatric Critical 10 4 505 510
Care Medicine

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

825 Little AS;Kerrigan JF;McDougall CG;Zabramski JM;Albuquerque FC;Nakaji P;Spetzler RF;

Nonconvulsive status epilepticus in patients suffering spontaneous subarachnoid hemorrhage

2007 Journal of 106 5 805 811
Neurosurgery
J Neurosurg

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

826 Tomson T;Lindbom U;Nilsson BY;

Nonconvulsive status epilepticus in adults: Thirty-two consecutive patients from a general hospital population

1992 Epilepsia 33 5 829 835

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not RCT.

Excluded Study - Reasons

Reviewer Julie Neilson

758 Treiman DM;Meyers PD;Walton NY;Collins JF;Colling C;Rowan AJ;Handforth A;Faught E;Calabrese VP;Uthman BM;Ramsay RE;Mamdani MB;

A comparison of four treatments for generalized convulsive status epilepticus. Veterans Affairs Status Epilepticus Cooperative Study Group

1998 339 12 792 798

N Engl J Med

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Excluded Study - Reasons

Question 20 Which AEDs are clinically effective, cost-effective and safest for use in pregnancy?

Reviewer Grammati Sarri

847 Jones KL;Lacro RV;Johnson KA;Adams J;

Pattern of malformations in the children of women treated with carbamazepine during pregnancy

1989 Jun 22 New England 320 25 1661 1666
Journal of
Medicine
N ENGL J MED

Study Type COH

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Used systematic review data.

Excluded Study - Reasons

849 Gaily E;Granstrom ML;Hiilesmaa V;Bardy A;

Minor anomalies in offspring of epileptic mothers

1988 Apr Journal of Pediatrics 112 4 520 529

J Pediatr

COH

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Used systematic review for data.

Excluded Study - Reasons

843 Perniola T;Buttiglione M;Margari L;

Antiepileptic drugs in pregnancy: late effects on the children's cognitive abilities. Preliminary data

1992 Aug Acta Neurologica 14 4-6 543 546

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Used systematic review for data.

Excluded Study - Reasons

Question 22 Which AEDs are most tolerable for people with learning disabilities?

Reviewer

102

Double-blind, placebo-controlled evaluation of cinromide in patients with the Lennox-Gastaut Syndrome. The Group for the Evaluation of Cinromide in the Lennox-Gastaut Syndrome

1989 Epilepsia 30 4 422 429

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants had Lennox-Gastaut Syndrome. Cinromide (intervention) was not in our list of drugs.

Excluded Study - Reasons

113 Inanaga K;Kumashiro H;Fukuyama Y;Ohtahara S;Shirouzu M;

Clinical study of oral administration of DN-1417, a TRH analog, in patients with intractable epilepsy

1989 Epilepsia 30 4 438 445

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

The majority of patients had Lennox-Gastaut Syndrome.

Excluded Study - Reasons

147 Bird CAK;Griffin PB;Miklasewska JM;Galbraith AW;

Tegretol (carbamazepine): a controlled trial of a new anticonvulsant.

1966 British Journal of Psychiatry 112 737 742

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

No outcomes measures relevant.

Excluded Study - Reasons

182 Houtkooper MA;Lammertsma A;Meyer JW;Goedhart DM;Meinardi H;van Oorschot CA;Blom GF;Hoppener R.J;Hulsman JA;

Oxcarbazepine (GP 47.680): a possible alternative to carbamazepine?

1987 Epilepsia 28 6 693 698

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

No information on outcome measures. No separate information for the group of learning disabilities.

Excluded Study - Reasons

701 Rimmer EM;Richens A;

A double blind study of a new drug, gamma-vinyl GABA, in patients with refractory epilepsy.

1984 Proceedings of XVth Epilepsy International Symposium 181 185

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

8/24 in the sample had learning disabilities. Results were not provided separately.

Excluded Study - Reasons

728 Freeman JM;

The ketogenic diet: additional information from a crossover study

2009 Apr Journal of Child Neurology 24 4 509 512
J Child Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Participants had Lennox-Gastaut Syndrome. Ketogenic diet.

Excluded Study - Reasons

855 Biemann P;Levac T;Gagnon MA;

Clonazepam: its efficacy in association with phenytoin and phenobarbital in mental patients with generalized major motor seizures

1978 Jun	International Journal of Clinical Pharmacology & Biopharmacy	16	6	268	273
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Only 13/23 of participants had mental retardation.

Excluded Study - Reasons

856 Smith WL;Philippus MJ;Guard HL;

Psychometric study of children with learning problems and 14-6 positive spike EEG patterns, treated with ethosuximide (Zarontin) and placebo

1968 Oct	Archives of Disease in Childhood	43	231	616	619
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Study Type

- Study Design-wrong for question
- Study Quality- methods_execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Ethosuximide is not included in the list of antiepileptic drugs for the purposes of this review.

Excluded Study - Reasons

Reviewer *Vanessa Nunes*

832 Eriksson AS;Nergardh A;Hoppu K;

The efficacy of lamotrigine in children and adolescents with refractory generalized epilepsy: a randomized, double-blind, crossover study

1998 Epilepsia 39 5 495 501

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Majority of participants had Lennox Gastaut syndrome.

Excluded Study - Reasons

Question 24 What is the clinical effectiveness and cost-effectiveness of a ketogenic diet?

Reviewer

423 Bergqvist AG;Schall JI;Gallagher PR;Cnaan A;Stallings VA;

Fasting versus gradual initiation of the ketogenic diet: a prospective, randomized clinical trial of efficacy

2005 Nov Epilepsia 46 11 1810 1819

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not comparing treatments.

Excluded Study - Reasons

974 Kang H;Lee YJ;Lee JS;Lee EJ;Eom S;You SJ;Kim HD;

Comparison of short-versus long-term ketogenic diet for intractable infantile spasms

2011 Epilepsia 52 4 781 787

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Short-term versus long-term ketogenic diet. The participants had achieved seizure freedom already so it was a responder-selected study.

Excluded Study - Reasons

Question 25 Which AEDs are clinically effective and cost-effective for people with idiopathic generalised epilepsy?

Reviewer

557 Najafi MR;Mehrabi A;Najafi F;

Seizure recurrence after a first unprovoked seizure: With and without treatment

2008 Journal of Research in Medical Sciences 13 4 161 165

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Comparison is no treatment.

Excluded Study - Reasons

718 GlaxoSmithKline;

An open randomised comparison of lamotrigine with valproate as monotherapy in patients with idiopathic generalised epilepsy

2001 Glaxo Wellcome

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Industry submission in HTA but only specifies generalised onset seizures, not which types.

Excluded Study - Reasons

203 Beran RG;Berkovic SF;Dunagan FM;Vajda FJ;Danta G;Black AB;Mackenzie R;

Double-blind, placebo-controlled, crossover study of lamotrigine in treatment-resistant generalised epilepsy

1998 Epilepsia 39 12 1329 1333

Study Type RCT

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

This is not idiopathic generalised epilepsy. There is insufficient data for other seizure types.

Excluded Study - Reasons

Reviewer Stefanie Kuntze

376 Stephen LJ;Sills GJ;Leach JP;Butler E;Parker P;Hitiris N;Leach VM;Wilson EA;Brodie MJ;

Sodium valproate versus lamotrigine: a randomised comparison of efficacy, tolerability and effects on circulating androgenic hormones in newly diagnosed epilepsy

2007 Jul	Epilepsy Research	75	2-3	122	129
Study Type	Epilepsy Res RCT				

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not our outcomes.

Excluded Study - Reasons

Question 27 Mixed population exclusions

Reviewer

572 Fakhoury TA;Barry JJ;Mitchell MJ;Hammer AE;Vuong A;

Lamotrigine in patients with epilepsy and comorbid depressive symptoms

2007	Epilepsy & Behavior	10	1	155	162
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not an RCT.

Excluded Study - Reasons

574 LaRoche SM;

A new look at the second-generation antiepileptic drugs: A decade of experience

2007 Neurologist 13 3 133 139

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

588 Brodie MJ;

Medical therapy of epilepsy: When to initiate treatment and when to combine?

2005 Journal of 252 2 125 130
Neurology
J Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

597 Cheng-Hakimian A;Anderson GD;Miller JW;

Rufinamide: Pharmacology, clinical trials, and role in clinical practice

2006 International 60 11 1497 1501
Journal of Clinical
Practice
Int J Clin Pract

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

598 Hachad H;Ragueneau-Majlessi I;Levy RH;

New antiepileptic drugs: Review on drug interactions

2002	Therapeutic Drug Monitoring	24	1	91	103
	Ther Drug Monit				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

709 Bensch J;Blennow G;Ferngren H;Gamstorp I;Herrlin KM;Kubista J;Arvidsson A;Dahlstrom H;

A double-blind study of clonazepam in the treatment of therapy-resistant epilepsy in children

1977 Jun	Developmental Medicine & Child Neurology	19	3	335	342
	Dev Med Child Neurol				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not randomised.

Excluded Study - Reasons

707 Crawford P;Ghadiali E;Lane R;Blumhardt L;Chadwick D;

Gabapentin as an antiepileptic drug in man

1987 Jun

50

6

682 686

J Neurol
Neurosurg
Psychiatry

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Different doses no placebo.

Excluded Study - Reasons

620 Scott RC;

Buccal midazolam as rescue therapy for acute seizures

2005 Lancet Neurology 4 10 592 593

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

499 Zaccara G;Gangemi PF;Cincotta M;

Central nervous system adverse effects of new antiepileptic drugs. A meta-analysis of placebo-controlled studies

2008 Jul Seizure 17 5 405 421

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Meta-analysis.

Excluded Study - Reasons

629 Dworkin RH;Kirkpatrick P;

Pregabalin

2005	Nature Reviews Drug Discovery	4	6	455	456
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

647 Pellock JM;

Tricyclic anticonvulsants: Safety and adverse effects

2002 Epilepsy & 3 3 II S14 S17
 Behavior

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

651 Beydoun A;Kutluay E;Mihaescu M;Minecan D;

Clinical experience with oxcarbazepine

2002	Today's Therapeutic Trends	20	1	69	85
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

672 Ogunrin O;Adamolekun B;Ogunniyi A;

Cognitive effects of anti-epileptic drugs in Nigerians with epilepsy

2005 24 1 18 24

African Journal
of Neurological
Sciences

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not epilepsy.

Excluded Study - Reasons

570 French JA;Kanner AM;Bautista J;bou-Khalil B;Browne T;Harden CL;Theodore WH;Bazil C;Stern J;Schachter SC;Bergen D;Hirtz D;Montouris GD;Nespeca M;Gidal B;Marks J;Turk WR;Fischer JH;Bourgeois B;Wilner A;Faught J;Sachdeo RC;Beydoun A;Glauser TA;

Appendix D: Efficacy and tolerability of the new antiepileptic drugs II: Treatment of refractory epilepsy: Report of the Therapeutics and Technology Assessment Subcommittee and Quality Standards Subcommittee of the American Academy of Neurology and the Am

2007 CONTINUUM 13 4 EPILEPSY 212 224
Lifelong Learning
in Neurology

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

615 Donner EJ;Snead III OC;

New drugs in the treatment of epilepsy in children

2005	Current Problems in Pediatric and Adolescent Health Care	35	10	398	419
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

507 Doty P;Rudd GD;Stoehr T;Thomas D;

Lacosamide. [Review] [36 refs]

2007 Jan Neurotherapeutics 4 1 145 148

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

710 Luna D;Dulac O;Pajot N;Beaumont D;

Vigabatrin in the treatment of childhood epilepsies: a single-blind placebo-controlled study

1989 Jul Epilepsia 30 4 430 437

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not randomised.

Excluded Study - Reasons

335 Fakhoury TA;Miller JM;Hammer AE;Vuong A;

Effects of lamotrigine on mood in older adults with epilepsy and co-morbid depressive symptoms: an open-label, multicentre, prospective study

2008 Drugs & Aging 25 11 955 962

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Not an RCT.

Excluded Study - Reasons

378 Gazzola DM;Balcer LJ;French JA;

Seizure-free outcome in randomized add-on trials of the new antiepileptic drugs

2007 Jul Epilepsia 48 7 1303 1307

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

420

Pregabalin: new drug. Very similar to gabapentin

2005 Dec	Prescribe International	14	80	203	206
	Prescribe Int				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

429 Verdru P;

Epilepsy in children: the evidence for new antiepileptic drugs

2005	Acta Neurologica Scandinavica	Supple ment	17	20
	Acta Neurol Scand			

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

512 Sirven JI;Fife TD;Wingerchuk DM;Drazkowski JF;

Second-generation antiepileptic drugs' impact on balance: a meta-analysis. [Review] [44 refs]

2007 Jan	Mayo Clinic Proceedings	82	1	40	47
	Mayo Clin Proc				

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Systematic review.

Excluded Study - Reasons

448 French J;Arrigo C;

Rapid onset of action of levetiracetam in refractory epilepsy patients

2005 Feb Epilepsia 46 2 324 326

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Pooled 3 RCTs.

Excluded Study - Reasons

565 Abou-Khalil B;

Levetiracetam in the treatment of epilepsy

2008	Neuropsychiatric Disease and Treatment	4	3	507	523
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Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

513 Arzimanoglou A;Rahbani A;

Zonisamide for the treatment of epilepsy. [Review] [28 refs]

2006 Sep Expert Review of Neurotherapeutics 6 9 1283 1292

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

514 Deeks ED;Scott LJ;

Rufinamide. [Review] [30 refs]

2006 CNS Drugs 20 9 751 760

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

522 Ryvlin P;

Defining success in clinical trials--profiling pregabalin, the newest AED. [Review] [19 refs]

2005 Nov European Journal of Neurology 12 12 21
Suppl 4
Eur J Neurol

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

532 French JA;Kanner AM;Bautista J;bou-Khalil B;Browne T;Harden CL;Theodore WH;Bazil C;Stern J;Schachter SC;Bergen D;Hirtz D;Montouris GD;Nespeca M;Gidal B;Marks WJ;Turk WR;Fischer JH;Bourgeois B;Wilner A;Faught RE;Sachdeo RC;Beydoun A;Glauser TA;Therapeutics

Efficacy and tolerability of the new antiepileptic drugs I: treatment of new onset epilepsy: report of the Therapeutics and Technology Assessment Subcommittee and Quality Standards Subcommittee of the American Academy of Neurology and the American Epileps

2004 Apr 27 Neurology 62 8 1252 1260

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

533 French JA;Kanner AM;Bautista J;bou-Khalil B;Browne T;Harden CL;Theodore WH;Bazil C;Stern J;Schachter SC;Bergen D;Hirtz D;Montouris GD;Nespeca M;Gidal B;Marks WJ;Turk WR;Fischer JH;Bourgeois B;Wilner A;Faught RE;Sachdeo RC;Beydoun A;Glauser TA;American Aca

Efficacy and tolerability of the new antiepileptic drugs, II: Treatment of refractory epilepsy: report of the TTA and QSS Subcommittees of the American Academy of Neurology and the American Epilepsy Society.[erratum appears in Epilepsia. 2004 Nov;45(11):1

2004 May Epilepsia 45 5 410 423

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Review.

Excluded Study - Reasons

560 Gil-Nagel A;Zaccara G;Baldinetti F;Leon T;

Add-on treatment with pregabalin for partial seizures with or without generalisation: Pooled data analysis of four randomised placebo-controlled trials

2009 Seizure 18 3 184 192

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness -. not relevant population, interventions, outcomes or did not answer the question.

Comments

Pooled 4 RCTs.

Excluded Study - Reasons

439 French J;di NS;Arrigo C;

Fast and sustained efficacy of levetiracetam during titration and the first 3 months of treatment in refractory epilepsy

2005 Aug Epilepsia 46 8 1304 1307

Study Type

- Study Design-wrong for question
- Study Quality- methods _execution
- Consistency -Similarity of estimates of effect across studies
- Directness - . not relevant population, interventions, outcomes or did not answer the question.

Comments

Brief communication.