

Choice of Antiepileptic Drugs

USE

GTC	: Carba/Lamo/Valp + Cloba/Lamo/Leve/Valp/Top
Tonic/Atonic	: Valproate + Lamotrigine
Absence	: Etho/Lamo/Valp + Etho/Lamo/Valp
Myoclonic	: Leve/Valp/Top + Leve/Valp/Top
Focal	: Carba/Lamo/Leve/Valp + Cloba/Lamo/Leve/Valp/Top
JME	: Lamo/Leve/Valp/Top + Lamo/Leve/Valp/Top
Epilepsy with GTC only	: Carba/Lamo/Valp + Cloba/Lamo/Leve/Valp/Top
Idiopathic generalised	: Lamo/Valp/Top + Lamo/Leve/Valp/Top
BECTS/Panayot/Gastaut	: Carba/Lamo/Leve/Valp + Carba/Lamo/Leve/Valp/Top

AVOID

GTC	: Carba / Gab / Pheny / Vigab (if absence or myoclonic)
Tonic/Atonic	: Carba / Gab / Vigab
Absence	: Carba / Gab / Pheny / Vigab
Myoclonic	: Carba / Gab / Pheny / Vigab
Focal	: none stated
JME	: Carba / Gab / Pheny / Vigab
GTC only	: none stated
Idiopathic generalised	: Carba / Gab / Pheny / Vigab
BECTS/Panayot/Gastaut	: none stated

Antiepileptic Drugs - Indication

Carbamazepine : GTC, Focal.

Lamotrigine : GTC, Absence, Focal, JME, Generalised.

Valproate : GTC, Tonic, Atonic, Absence, Myoclon, Focal, JME, General.

Ethosuximide : Absence

Levetiracetam : Myoclonic, Focal, JME.

Topiramate : Myoclonic, JME, Generalised.

Clobazam : Anticonvulsant

Antiepileptic Drugs - Formulation

Carbamazepine :

Carbamazepine: tablets 100mg, 200mg, 400mg.

Carbagen SR (modified release): 200mg, 400mg.

Tegretol: tabs 100mg, 200mg, 400mg, chewtabs 100mg, 200mg, liquid (sugar free) 100mg/5ml, sup 125mg, 250mg.

Lamotrigine :

Lamictal: tablets 25mg, 50mg, 100mg, 200mg, dispersible tablets 2mg, 5mg, 25mg, 100mg.

Lamotrigine: tablets 25mg, 50mg, 100mg, 200mg, dispersible tablets 5mg, 25mg, 100mg.

Valproate :

Convulex (valproic acid enteric coated): capsules 150mg, 300mg, 500mg.

Epilim: tablets 200mg, 500mg, crushable tablets 100mg, liquid (sugar free) 200mg/5ml, syrup 200mg/5ml.

Epilim Chrono: tablets 200mg, 300mg, 500mg.

Epilim Chronosphere: (granules) 50mg, 100mg, 250mg, 500mg, 750mg, 1000mg. Also Episenta & Epival

Ethosuximide :

Emeside: syrup 250mg/5ml. Ethosuximide: capsules 250mg. Zarontin: syrup 250mg/5ml.

Levetiracetam :

Desitrend: granules 250mg, 500mg, 1000mg. Keppra: tablets 250mg, 500mg, 750mg, 1000mg, solution 100mg/ml.

Levetiracetam: tablets 250mg, 500mg, 750mg, 1000mg, oral solution 100mg/ml.

Topiramate :

Topiramate: tablets 25mg, 50mg, 100mg, 200mg, capsules 15mg, 25mg, 50mg.

Topamax: tablets 25mg, 50mg, 100mg, 200mg, sprinkle capsules 15mg, 25mg, 50mg.

Clobazam :

Clobazam: tablets 10mg. Frisium: tablets 10mg. Tapclob: oral liquid suspension 5mg/5ml, 10mg/5ml.

Antiepileptic Drugs – Side Effects

Carbamazepine :

Skin rash. Dry mouth, nausea, vomiting, fluid retention, unsteadiness, dizziness, drowsiness, fatigue, headache, low sodium in the blood, blood disorders, dermatitis, and hives. Blurred vision, double vision, dizziness and unsteadiness to start with or if dose is too high. Confusion and agitation.

Lamotrigine :

Serious skin rash and hypersensitivity risk minimised with slow introduction. Nausea, vomiting, diarrhoea, headache, fatigue, dizziness, sleep disturbance. Tremor when taken with sodium valproate may reduce as dose is changed.

Valproate :

Hair loss – not usually severe and is usually reversible if the dose is reduced. Nausea, stomach upset, diarrhoea, and weight gain (due to increased appetite). Hyperactivity and behaviour problems. Has been associated with polycystic ovaries and menstrual problems. TERATOGENICITY.

Ethosuximide :

Headache, drowsiness, nausea, vomiting, diarrhoea, abdominal pain and anorexia.

Levetiracetam :

Rash. Headache, drowsiness, dizziness, weight loss and pins and needles. Slowed thought and speech may occur. Some cases of eye problems have been reported within one month of starting treatment.

Topiramate :

Rash. Headache, drowsiness, dizziness, weight loss and pins and needles. Slowed thought and speech may occur. Some cases of eye problems have been reported within one month of starting treatment.

Clobazam :

Light-headedness, confusion, ataxia (shaky movements) and irritability. Drowsiness can occur.

Epilepsy - DESSCRIBE

D : description

E : epileptic or not-epileptic

S : seizure type

S : syndrome

C : cause

Relevant

Impairment

Behaviour &

Educational Issues