## 

- It is a condition due to tetanany brain cells over excited in a given time
- Group of disorder characterized by paroxysmal cerebral dysrhythmia manifesting as briagepisodes of seizures
- Types :
  - Generalized neuronal overactivity widespread
    - Generalised tonic clonic seizures (GTCS) grand mal
    - Absence seizures petit mal
    - Atonic seizures
    - Myoclonic seiures
    - Infantile spasms
  - Partial neuronal overactivity in one part of brain
    - Simple partial without loss of consciousness
    - Complex partial –with loss of consciousness

- What are the unwanted effects with their use?
  - Drowsiness, dizziness ataxia, vertigo
  - Severe mental and motor disturbances
  - Wester retention hyponatraemia
  - Gastrointestinal and cardiovascular side effects
  - Bone marrow depression (neutropenia), hypersensitivity (rashes, photosensitivity, hepatitis)
  - Acute intoxication coma, convulsion, collapse
  - Hepatic enzyme induction
    - accelerates the metabolism of many drugs phenytoin, oral contraceptives, warfarin and corticosteroids

## from Notesale.co.uk Ethosuximide

- MoA
- of propagation of abnormal electrical activity in brain
  - inhibiting 1 type Ca2+ channels
  - Blocks high voltage current
- Use
  - Effective in treatment of absence seizures
- Side effects
  - Nausea and anorexia, lethargy and dizziness
  - Precipitate tonic—clonic seizures in susceptible patients
  - Rare severe hypersensitivity reactions