

## Block Q Treatments

### Partial Seizures

- Monotherapy with first line agents such as Carbamazepine
- In children, Phenobarbital is first line anti convulsant

### First Line for

- Partial seizures - Carbamazepine
- Generalized tonic clonic seizures - Sodium Valproate
- Absence seizures - Ethosuximide
- Myotonic - Sodium Valproate
- Status Epilepticus - IV Diazepam

### Tension Headache

- First line abortive therapy - NSAIDs and acetaminophen
- For chronic headache - Tricyclic antidepressants (low dose Amitriptyline)

### Migraine

- Abortive therapy - Aspirin, Paracetamol, NSAIDs
- Severe Attacks - Triptans (Sumatriptan)
- Preventive therapy - Beta blockers, CCBs, Anti convulsants, TCAs (Amitriptyline)

### Cluster Headache

- Best abortive therapy - Inhalation of 100% oxygen, or Subcutaneous inj of Sumatriptan

### Pseudotumor cerebri (Benign intracranial hypertension)

- DOC - Carbonic anhydrase inhibitor (Acetazolamide)
- Repeated LP is helpful
- Surgery - VP shunt

### Trigeminal Neuralgia

- DOC - Carbamazepine
- Surgical procedures
  - Injection of alcohol or phenol into a peripheral branch of nerve
  - Surgical Decompression of nerve through posterior craniotomy

### Multiple Sclerosis

- Acute exacerbations - Pulses of high dose steroids
- Prevention of disease progression
  - Beta interferon
  - Glatiramer Acetate (Copolymer 1)
  - Mitoxantrone
  - Natalizumab
  - Fingolimod

### **Transverse Myelitis**

- High dose IV methylprednisolone

### **Alzheimer's Disease**

- Cholinesterase inhibitors - Donepezil, Rivastigmine, Galantamine
- Glutamate (NMDA receptor) antagonist - Memantine

### **Normal Pressure Hydrocephalus**

- Lumbar puncture CSF drainage for several days
- TOC - Surgical CSF Shunting

### **Parkinson Disease**

- Carbidopa-levodopa
- Levodopa - dopamine pro drug
- Carbidopa - Dopa decarboxylase inhibitor

### **Meningitis**

- Best initial treatment - Ceftriaxone + Vancomycin + Steroids
- For listeria monocytogenes - Add Ampicillin to Ceftriaxone and Vancomycin
- Prophylaxis in children - Oral rifampicin for 2 days
- Prophylaxis in adults - Rifampicin or Ciprofloxacin
- Tuberculous Meningitis - ATT + steroids

### **Viral Encephalitis**

- Anti convulsant therapy
- Dexamethasone for raised ICP
- IV acyclovir for HSV and VZV
- CMV - Ganciclovir with or without foscarnet

### **Brain Abscess**

- Broad spectrum antibiotics - Ceftriaxone + Metronidazole + Vancomycin for 6 to 8 weeks
- Anticonvulsants
- Dexamethasone to decrease cerebral edema
- IV Mannitol to decrease ICP
- Surgical drainage if there is persistent focus of infection

