





CNS infections: Viral etiologies

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Outlines

- Case vignette
- Etiology of viral (meningo)encephalitis
 - Herpes Simplex Virus
 - Enterovirus
 - Arboviruses:
 - Chikungunya virus
 - Dengue virus
 - Japanese Encephalitis virus
 - Influenza virus
 - Varizella zoster virus

Infection of the Central Nervous System

- Meningitis
- Encephalitis
- Meningoencephalitis
- Rhombencephalitis (brain stem encephalitis)
- Brain abscess

A 1-year-old boy with fever and lethargy

- Previously healthy
 - 4 days: fever, diarrhea
 - 3 days: rash at palms and soles
 - 2 days: generally unwell
 - startled at night
 - refused to walk
 - increasing lethargic
 - 1 day: conscious declined
- H/O contact HFMD from neighbor

A 1-year-old boy with fever and lethargy

- At admission:
 - Generalized-tonic-clonic seizure 1 minute
 - Phenobarbital IV loaded 20 mg/kg/dose
 - Repeated GTC seizure 30 seconds
 - Phenobarbital IV 10 mg/kg/dose
 - Start Levetiracetam 20 mg/kg/day q 12 hour
 - Intubated