

Aseptic meningitis = any meningitis without bacteria

Viral meningitis

has similar symptoms to bacterial meningitis (headache, fever, and signs of meningeal irritation)

less severe

the most important test is a CSF culture

Serology for enteroviral infections is possible by detection of enteroviral IgM antibodies

Polymerase chain reaction (PCR) has become the single most important method for diagnosing CNS viral infections



الوردة = spinal cord

CSF = الماء

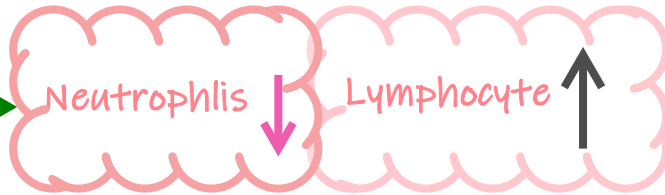
• VZV meningitis is associated with a characteristic, diffuse vesicular rash.

عليه سؤال جاي بالامتحان

Enterovirus— in neonates, fever is accompanied by vomiting, anorexia, rash, and upper respiratory tract symptoms

• Mumps virus— CNS symptoms usually occur 5 days after the onset of parotitis.

viral meningitis



Treatment

analgesics مسكنات, antipyretics مضاد حرارة, antiemetics مضاد استفراغ

full recovery from viral meningitis is excellent.

# brain abscess



focal, suppurative infection within the brain parenchyma, typically surrounded by a vascularized capsule



• The organism usually depends on the primary focus of infection. (e.g. Streptococcus pneumoniae, Haemophilus influenzae, Enterobacteriaceae, and bacteroids are commonly associated with sinusitis and otitis media).

• Pathogen can spread from nearby ear, sinus, and dental infections, through blood vessels, or directly as in head trauma



Brain imaging (MRI, CT scan with contrast) should be performed urgently to confirm the diagnosis.



If I take lumber puncture I will see brain inflammation

In immunocompromised patients Nocardia spp., Toxoplasma gondii, Aspergillus spp., Candida spp. Should be considered.

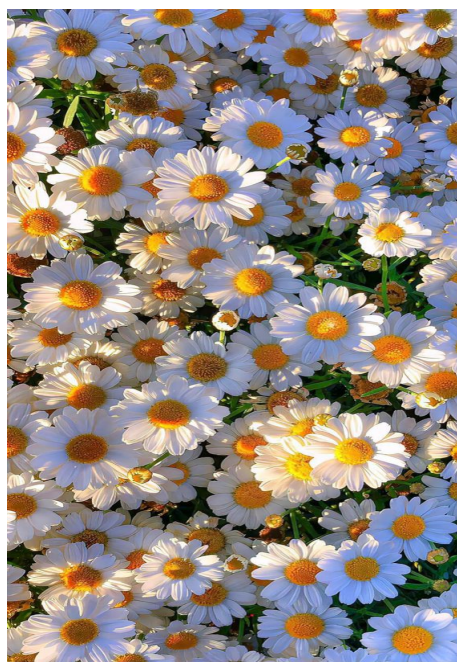
S. Aureus is commonly encountered after head trauma.



# Treatment



high dose parenteral antibiotics an neurosurgical drainage.



Done by Layan Daoud