

# **Pro and Con in Universal acyclovir in meningoencephalitis**

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# Suspected viral encephalitis

## Empirical IV aciclovir

Indication for cranial CT

Yes

No

CT

Contraindication to LP

Yes

No

Immediate LP

Adjust?

Continue aciclovir

Kneen R. Journal of infection 2012  
Thompson C. Arch Dis Child 2012  
Allan R. CID 2008

# Etiology of Encephalitis

<b>Virus (common)</b>	Arbovirus	HSV	HIV
	Enterovirus	Measles	Mumps
	Influenza	EBV	Rabies
	Dengue		
<b>Bacteria</b>	TB	Rickettsial	Mycoplasma
<b>Others</b>	Post infectious(e.g.VZV)		
	Post vaccination(MMR)		

# Pathogen Signatures

- Timing-seasonal preference?
- Concurrence with the vector abundance?
- Associated illnesses in animals
- Geographic regions
- Rapidity of spread
- Underlying disease
- Contact history: animals humans

# Pathogen Signatures

- Travel history within 1 month
- Clinical Pattern – prodrome: pure neuro w/multiple organ associations
- Time from onset to neurological illness
- Clinical severity-Mortality
- Neuroimaging