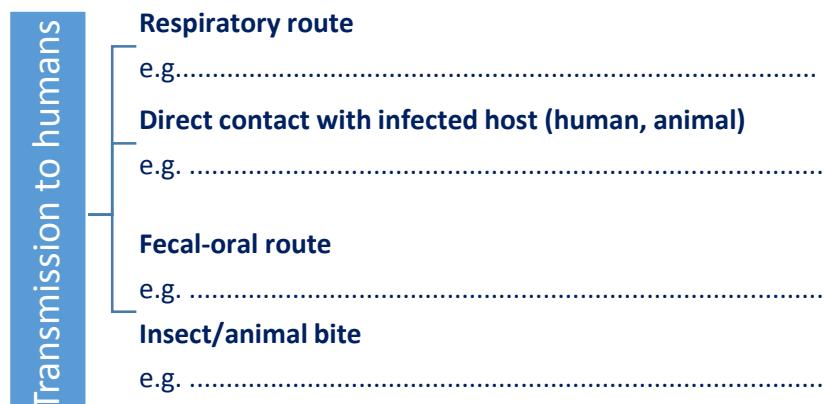


# Blood and CNS viral infections

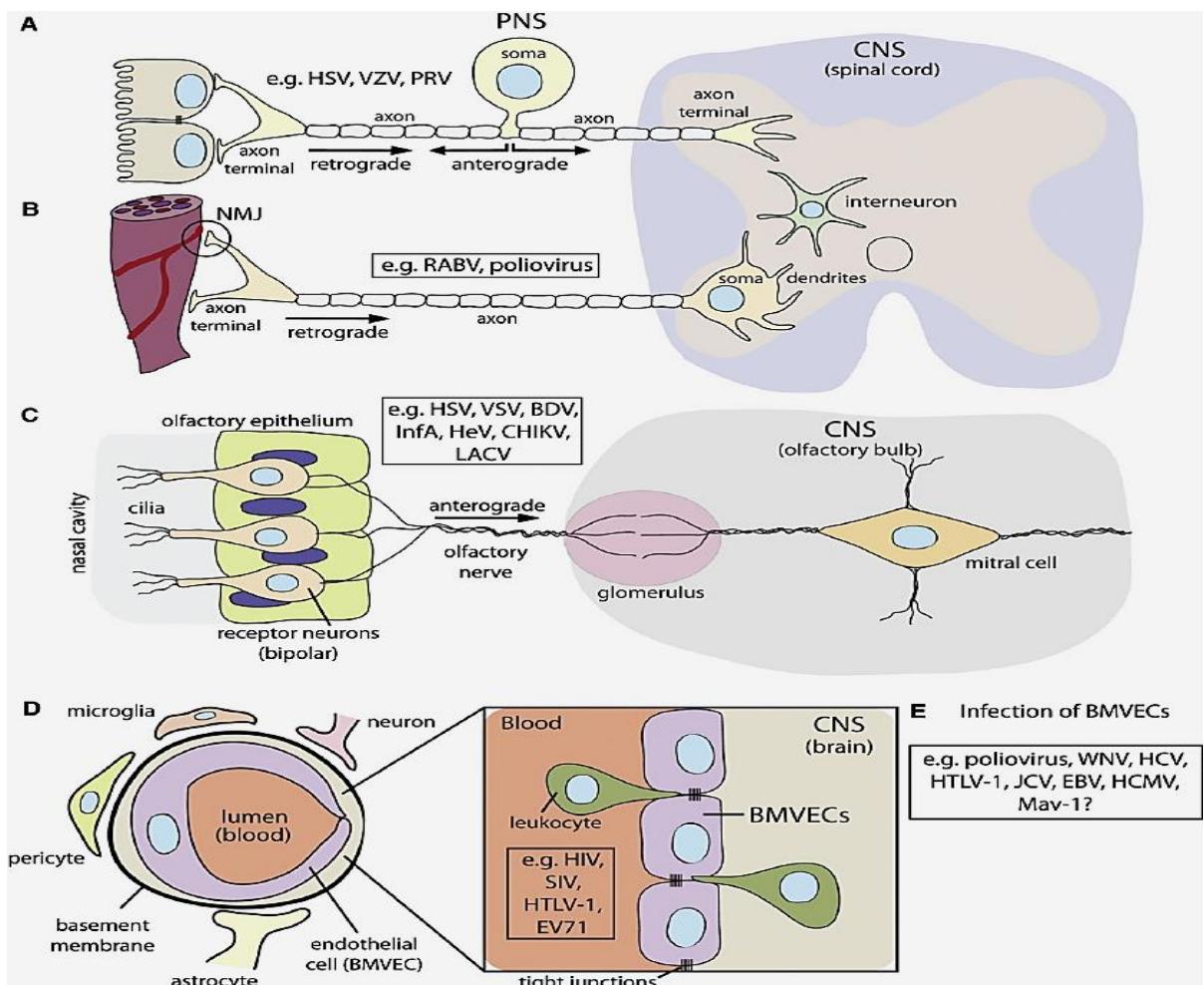
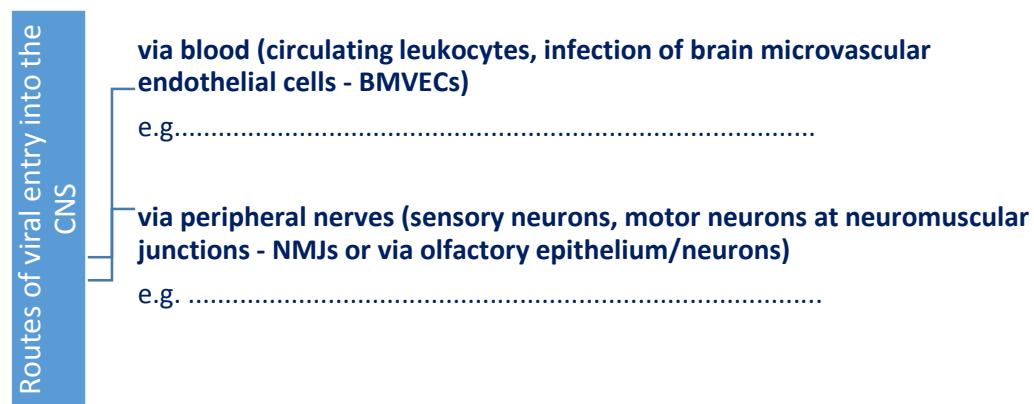
## Neurotropic viruses

Neurotropic menas.....

Adenoviruses dsDNA	Herpersviruses dsDNA	Polymomaviruses dsDNA
•Serotypes: 1,6,7,12, 26, 32	•HSV (Herpes Simplex Virus) -1, -2 •VZV (Varicella Zoster Virus) •CMV (Cytomegalovirus) •EBV (Epstein-Barr Virus)	•JCV (John Cunningham virus)
		dsDNA.....
Flaviviridae (+)ssRNA	Picornaviruses (+)ssRNA	Togaviridiae (+)ssRNA
•WNT (West Nile Virus)	•Polio Virus 1, 2, 3 •EV71 (Enterovirus 71)	•CHIKV (Chikungunya virus)
		(+)ssRNA.....
Arenaviridae (-)ssRNA	Bunyaviridae (-)ssRNA	Orthomyxoviridae (-)ssRNA
•LCMV (Lymphocytic choriomeningitis virus)	•LACV (La Crosse encephalitis virus)	•Influenza virus
		(-)ssRNA.....
Paramyxoviridae (-)ssRNA	Rhabdoviridae (-)ssRNA	Retroviridae ssRNA-RT
•MV (Measles virus) •MuV (Mumps virus) •HeV (Hendra virus) •Nipah virus	•RabV (Rabies virus)	•Lentiviruses: •HIV •HTLV-1 (Human T-cell Leukemia virus)
		ssRNA-RT.....



# Blood and CNS viral infections



## Acronyms:

PNS=peripheral nervous system	HSV=Herpes Simplex Virus
VZV=Varicella Zoster Virus	NMJ=NeuroMuscular Junction
PRV=Pseudorabies virus (herpes virus of swine)	
RABV=Rabdovirus	VSV=Vesicular Stomatitis Virus (animal's)
BDV=Borna Disease Virus (suspected association with schizophrenia)	
InfA=Influenza A type virus	HeV=Hendra Virus
CHIKV=Chikungunya Virus	LACV=La Crosse Virus
BMVEC=Brain MicroVascular Endothelia Cell	
SIV=Simian Immunodeficiency Virus (similar to HIV; infects mokeys)	
HTLV-1=Human T-cell Leukemia Virus-1	
EV71=Enterovirus 71	WNV=West Nile Virus
HCV=Hepatitis C Virus	JCV=John Cunningham Virus (Polyoma)
EBV=Epstein-Barr Virus	HCMV=Human Cytomegalovirus
Mav-1=mouse adenovirus	

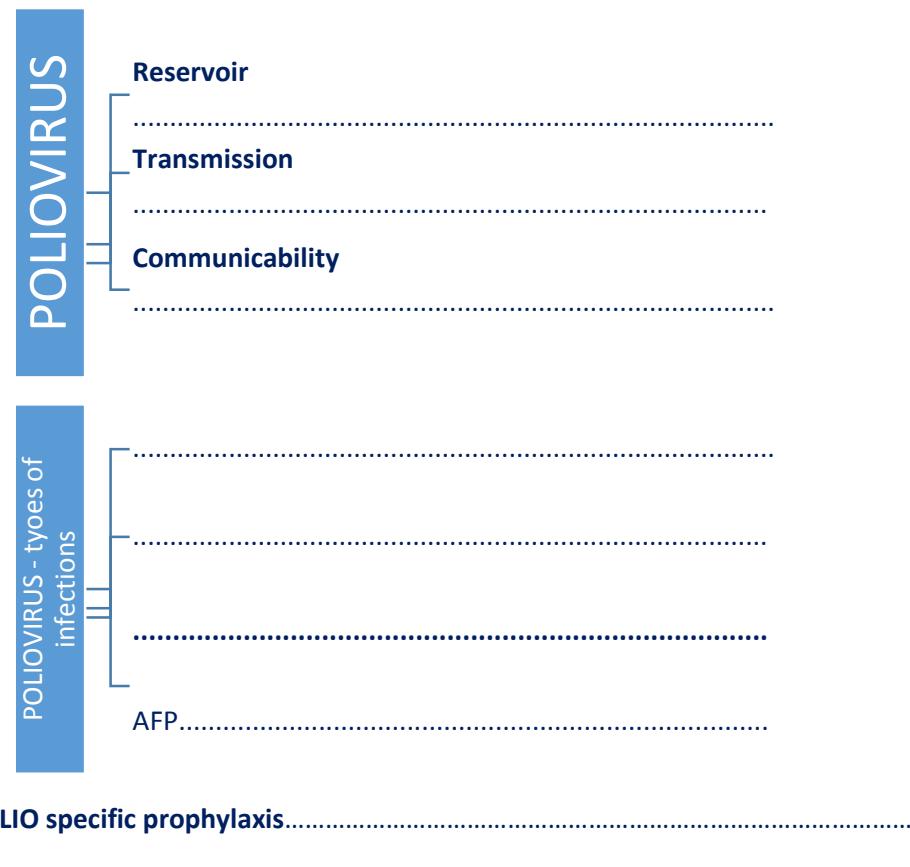
# Blood and CNS viral infections

Viral infections according to anatomical area:

- a) ..... e.g.....
- b) ..... e.g.....
- c) ..... e.g.....
- d) ..... e.g.....

Other diseases of CNS:

- a) ..... e.g.....
- b) ..... e.g.....
- c) ..... e.g.....
- d) ..... e.g.....

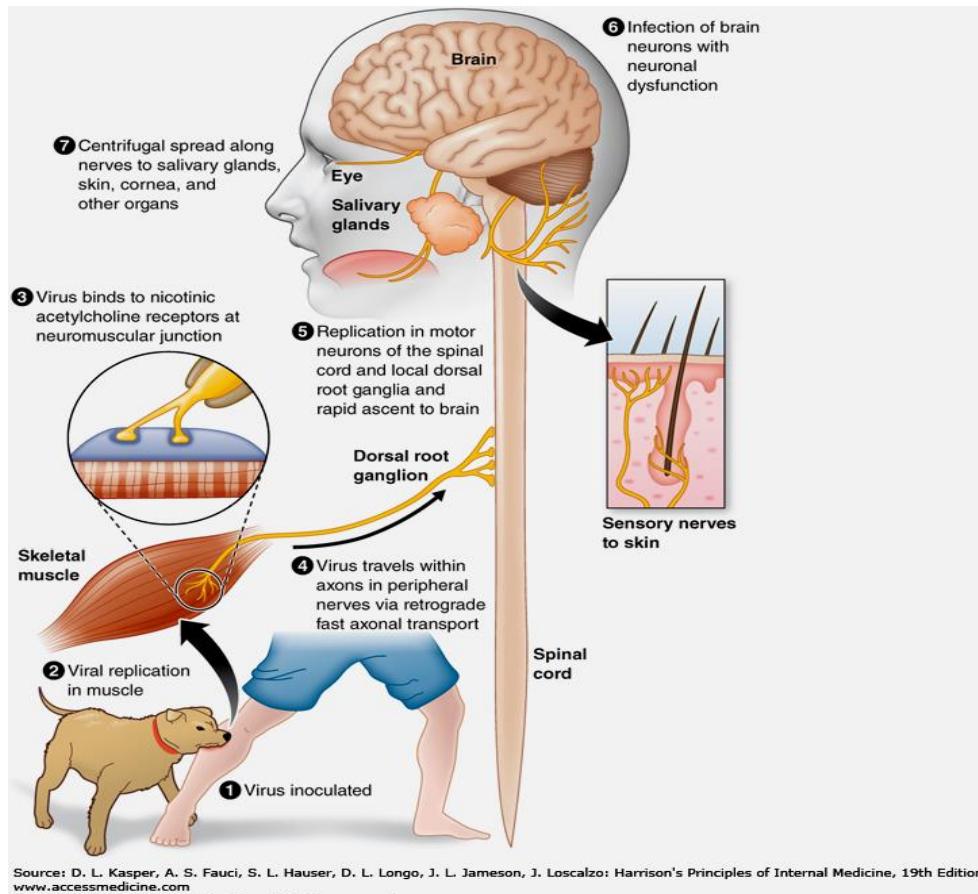


# Blood and CNS viral infections

## RABIES VIRUS

### Reservoir

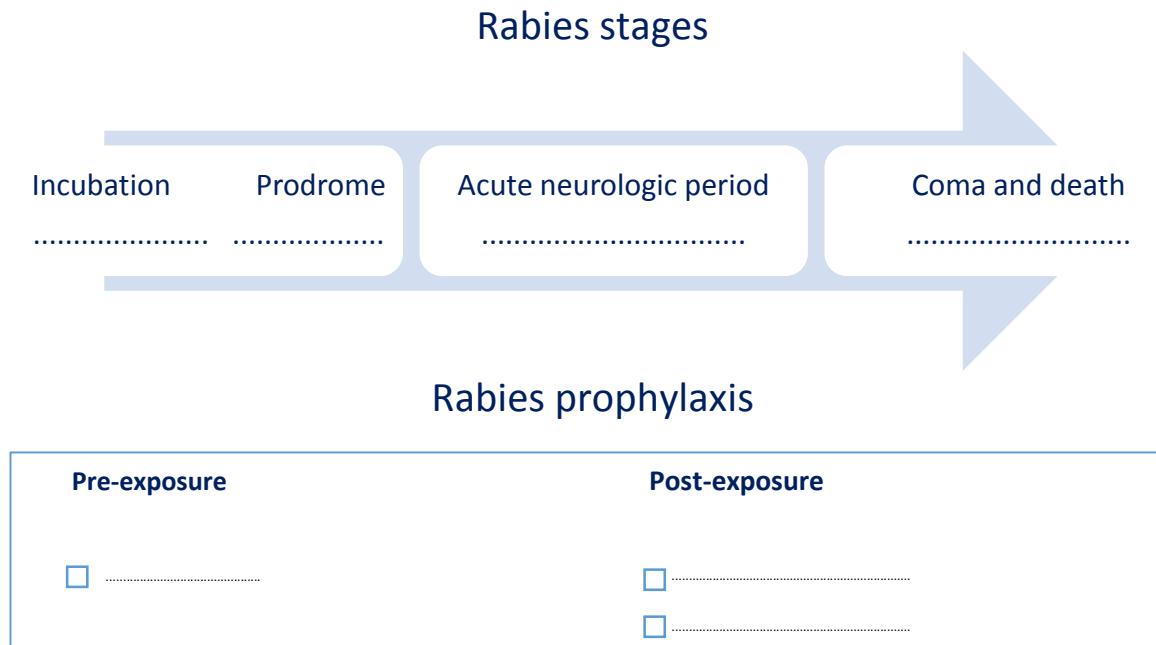
### Transmission



## RABIES

### clinical manifestations

## Blood and CNS viral infections



# Blood and CNS viral infections

## VIRAL HEMORRHAGIC FEVERS

Flaviviridae	Bunyaviridae	Arenaviridae
<ul style="list-style-type: none"><li>• Mode of transmission .....</li><li>• Yellow fever - Yellow fever virus</li><li>• Dengue fever - Dengue viruses 1-4</li><li>• Chikungunya hemorrhagic fever - Chikungunya a rift valley virus</li></ul>	<ul style="list-style-type: none"><li>• Mode of transmission .....</li><li>• Crimean hemorrhagic fever - Congo-Crimean virus</li><li>• Kyasanur forest disease - kyasanur forest virus</li><li>• Omsk hemorrhagic fever - Omsk hemorrhagic fever virus</li></ul>	<ul style="list-style-type: none"><li>• Mode of transmission .....</li><li>• Argentine hemorrhagic fever - Junin virus</li><li>• Bolivian hemorrhagic fever/Lassa fever - Machupo and Lassa viruses</li></ul>

Filoviridae
<ul style="list-style-type: none"><li>• Mode of transmission .....</li><li>• Korean hemorrhagic fever - Hantan virus</li><li>• Marburg virus disease - Marburg virus</li><li>• Ebola virus disease - Ebola viruses Zair, Sudan</li></ul>

Hemorrhagic fevers - general characteristics:

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Transmission to humans

### Human-to-human or reservoir-vector

e.g. ....

### Aerosol

e.g. ....

### Sexual route

e.g. ....