

Viral hemorrhagic fevers

- all of the cases patient needs supportive treatment
- all are Zoonotic (animal-borne-infect animal)
- All VHF viruses can be used as bioweapons
- All of them replicate in the cytoplasm except **Flaviviridae** in the nucleus
- **Arboviruses**: **Flaviviridae** and **Bunyaviridae** –except Hantaviruses
- **Non-Arboviruses** : **Arenaviridae** and **Filoviridae** & **hantavirus**
- **Arenaviridae** : Sandy Cytoplasm / acquire the host's ribosomal subunits in their virion state
- **Lassa fever** (in Nigeria) This one has the **highest** mortality rate in **Arenaviridae**
- **Filoviridae** family has the **highest** mortality rate between all of VHF families
- **Filoviridae**: death occur in the second week (Death around day 7–11)usually due to DIC
- **Rift Valley Fever** : the **lowest** mortality rate in **Bunyaviridae**
- ALL **Flaviviridae** are characterized by the “Biphasic clinical presentation
- active vaccine : **yellow fever**
- passive vaccine : **for the Argentine and Bolivian**

Hearing loss

- **Lassa fever**
- **OMSK**

Vision loss

- **Rift Valley Fever**
- blurred vision
- **Hantavirus**

Maculopapular rash

- **Filoviridae**: **Marburg**
- **Flaviviridae** : **Dengue**

Pharyngitis

- **Filoviridae**
- **LassaFever**

jaundice

- **yellow fever virus**
- **Marburg**

Aedes mosquito

- **Rift Valley Fever**
- **yellow fever virus**
- **dengue virus**

Ixodid tick

- (Hyalomma/Haemaphysalis)
- **CCHF**
 - **Kyasanur Forest Virus**

2 cycles

- **yellow fever virus**
- **dengue virus**

Ribavirin

- **Arenaviridae (Lassa fever)**
- **CCHF**
- **Rift Valley Fever**
- **New and Old World Hanta**

Rodent

- **Arenaviridae**
- **Hantavirus**

aerosol transmission (inhalation)

- **Arenaviridae**
- **CCHF**
- **Filoviridae**

Person - person transmission

- **Arenaviridae**
- **CCHF**
- **Nombre family of hantavirus**
- **Filoviridae**