Hemorrhagic Fever In Iraq

Where we are

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Disclaimer

• The author declare no conflict of interest to introduce this article.

Haemorrhagic fever

serious viral infection may be a life threatening.

Caused by many viruses

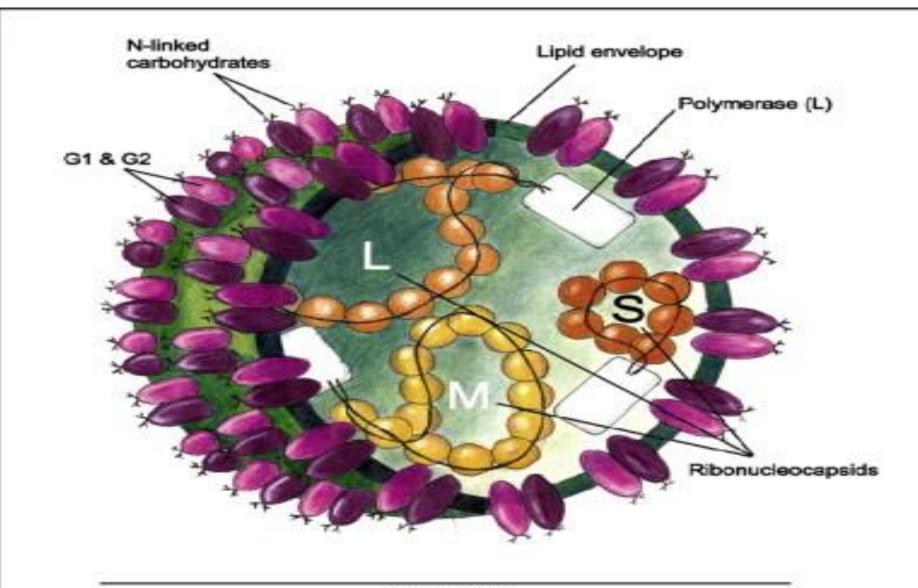
zoontic and has geographical distribution

- Lassa fever transmitted to human from rat urine or patients body fluids commonly in west Africa.
- Ebola fever from bats to human commonly in central Africa .
- Yellow fever by mosquito Aedes Africanum in tropical Africa, south and central America.

Crimean Congo hemorrhagic fever virus (CCHF) the most common

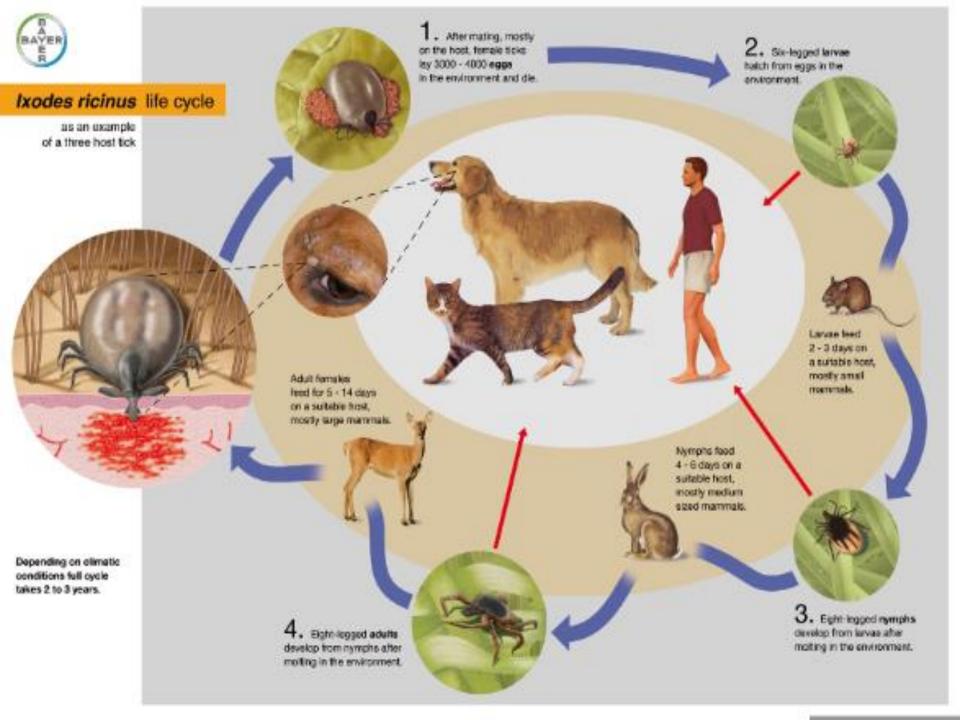
Rift Valley virus Less common

Virology



Transmission

- tick bites.
- contact with infected animal blood or tissues.
- Human-to-human transmission.
- Hospital-acquired infections



Tick



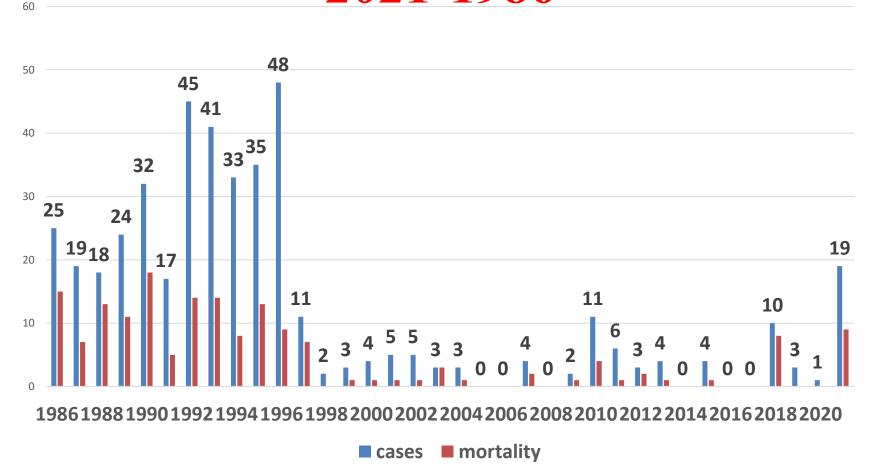




CCHF In Iraq

- Iraq exposed to hard strike in
- 2021-2022.
- Hard work through medical personal
- Collaboration with WHO

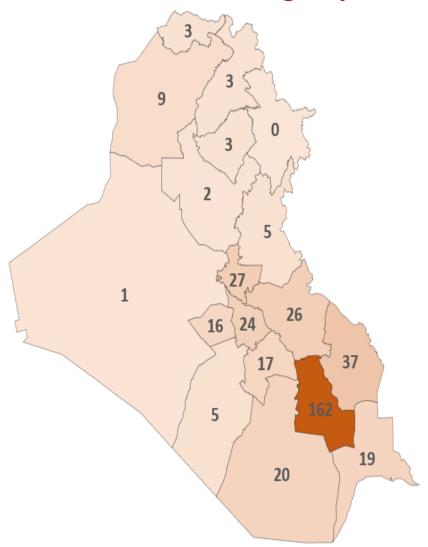
Number of cases and mortality 2021-1986



Governorate variability

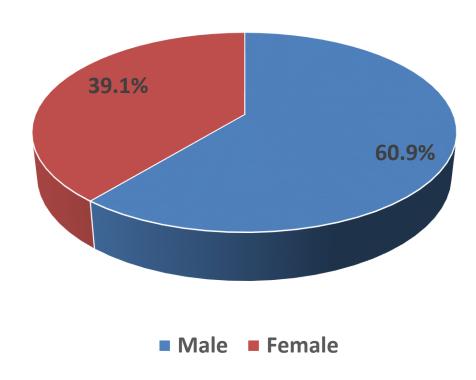
- Differ in numbers
- In mortality.
- severity

Distribution of cases according to provinces 2022

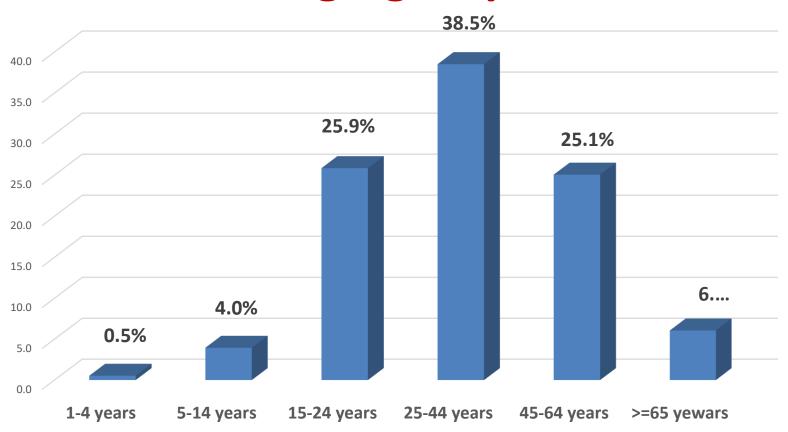


Powered by Bing © GeoNames, Microsoft, TomTom

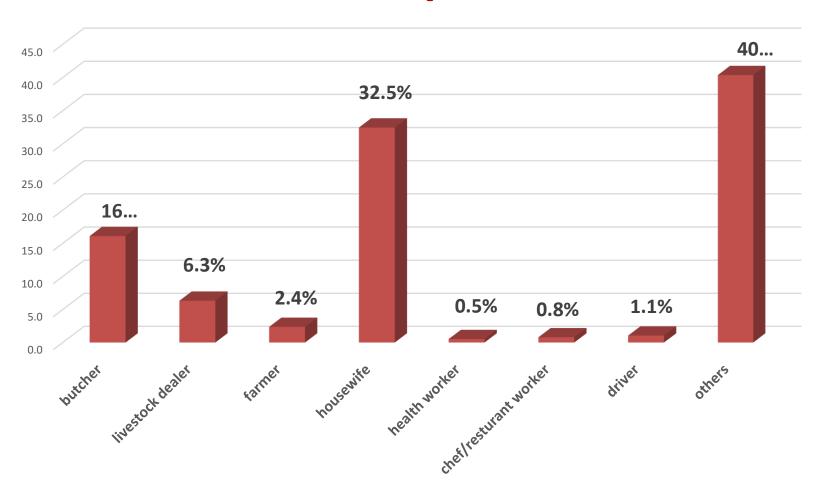
Distribution of Cases according to Gender



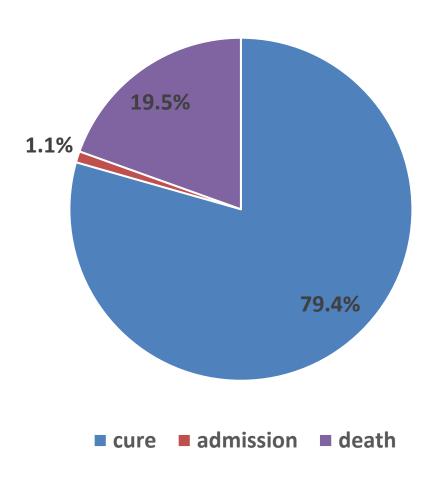
Distribution of Cases by Age-group



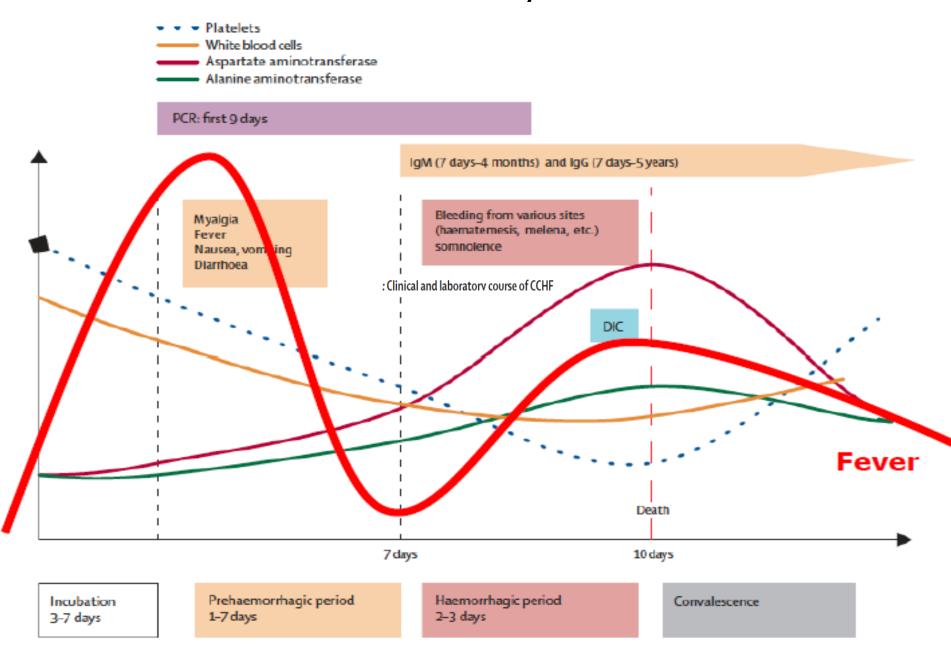
Distribution of Cases according to Occupation

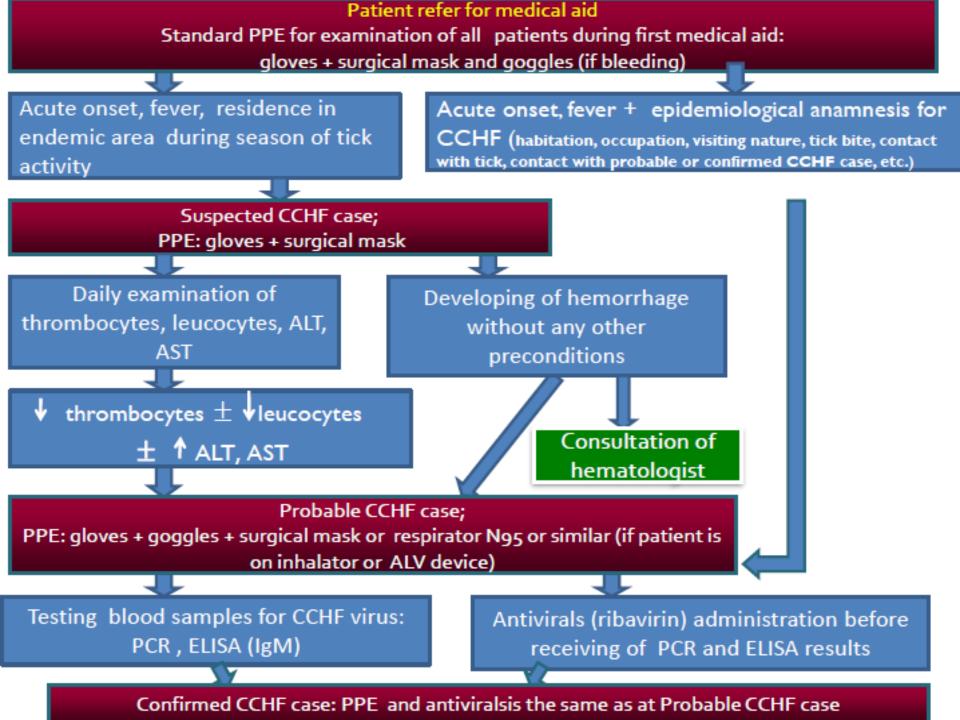


Patient outcome



Clinical and Laboratory course of Coh FO, Lancet ID, 2006





Iraqi doctors are hero a sample of cases in Thiqar Governorate Hospital

CCHF deadly case female in honeymoon celebrating full recovery





CCHF middle age female case with mucormycosis and CVT/brain abscess



CCHF with hepatic encephalopathy. Went on to make a full recovery after 3 weeks on ICU



WHO work hard with us

WHO team with therapists



CCHF prognostic notes

- Pregnant ladies were very poor prognosis •
- Less than 18 years out 16 patients 2 of them unfortunately were died.
- Compartment syndrome with neuropraxia occurred in two cases
- PRES syndrome occurred in one young male (who made a full recovery)
- No human to human transmission reported •
- Symptomatic animals seen in two cases and those bled to death
- Thirteen cases died with PCR negative results diagnosed on clinical grounds and lab testing and in the absence of an alternative diagnosis

Recommendations

- 1- Need more study about life cycle of Ticks the main vector of CCHF.
- 2- further study in another viruses in Iraq and MENA region.
- 3- Potentiate activity for CCHF vaccine in Iraq and the world

