

Zoonotic Disease Outbreaks South Africa 2010

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'AHEAD' Mopani Kruger Park

15 November 1980

SA MEDIESE TYPSKRIF

Rift Valley Fever in Humans in South Africa

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SUMMARY

During an epitootic of Rift Volley fever in South Africa in 1984/1975, moinly affecting sheep and cattle, a large number of human cases occurred. The majority of the potents, mostly formers, farm labourses and veterinary surgeons, acquired the infection willia handling the carcasses of unknote which had died of the property of the property of the Milk Volley fever. Some gave no history of contact with infected dominals and it is presumed that they were informed by mesquithees.

Infected by mosquitees.

Complications were common. Retinitis clinically associated with defective vision occurred in about 20% of potients investigated. In others, meningo-encepholitis developed: 1 potient died and the brain showed pervisor curring and round-cell infiltration.

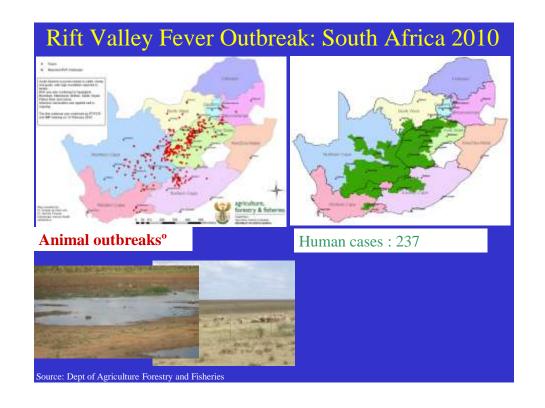
In 110 cases the diagnosis was confirmed in the borontery. In 179 sicolation of the virus and in 53 by the finding of an ambody response in servicipal tests. In 3 trail cases the virus was beloated from the filter.

of Rift Valley fever swept through the country and was particularly severe in the sheep and settle farming districts of the Orange Free State and the Cape Province, causing the loss of many thousands of animals. Associated with this epirontic there were many cases in human beings, and for the first time in South Africa human deaths due to Rift Valley fever were recognized.

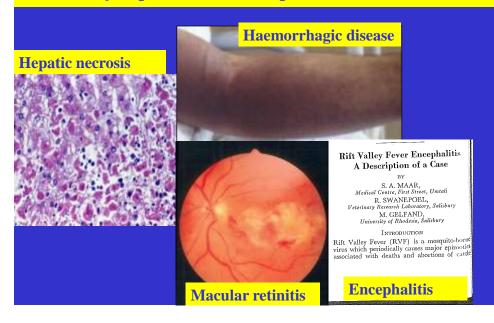
to Rift Valley fever were recognized. "
In 1977, during an exprosortic in domestic animals.
Egypt experienced the largest and most sorious recorded
human epidemic of Rift Valley fever. It was estimated
that 10000 - 20000 human cases occurred; a disturbing
resture was the large number of deaths, estimated at
70-80. "The clinical spectrum of human disease ranged
rom a midi, uncomplicated febrile illness presenting as
malisise, headards, myalga, anovexia, manson and vomiding
with disturbed vision. In Eparlies associated with a generalized bacemorthagis state, often fatal, and meningocoephalitis, sometimes also fatal. In 1978, during a major
epizootic in cartle and where in Rhodesia. Rift Valley

1974-1976 **RVF** outbreak 7 human deaths





Majority of illness was mild, but significant morbidity and mortality in patients with complications - 26 deaths







Occupation and exposure

Occupation available for 93% (214/229)

81% (174/214) work within occupations where direct contact with animals frequently occurs

No. (%)
130 (61)
16 (7)
28 (13)
3 (1)
37 (17)
214 (100)

• †Includes veterinarians, veterinary assistants/nurses, animal health technicians.

Source: NICD Interim Report August 2010

- **Transmission** (information available for 87% of cases):
 - 94% reported direct contact with RVF-infected animals
 - 3.5% reported no direct animal contact, but reported exposure to mosquitoes
 - 2.5% reported no animal contact, but drank unpasteurized milk

Source: NICD Interim Report August 2010

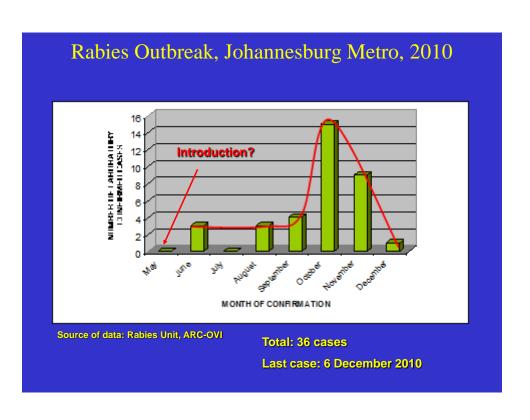


Dept of Agriculture/Veterinary Health and Human Health: Directive

-All infected farms are under quarantine and the situation is under control.......
- 'We urge the public not to handle any sick animals or cut up any dead animals or aborted foetuses and to contact their nearest veterinarian should abortions in a herd be observed. <u>Anyone</u> <u>handling the carcasses should be wearing</u> <u>protective clothes and goggles'</u>
- Avoid unpasteurized milk
- Use insect repellents

RVF 2011?





Summary of outbreak vaccinations in south western Johannesburg

Witpoortjie

Total Jun outbreak vaccinations

4 001

Sophiatown

Eldoradopark, Bushkoppies and Joe Slovo

Kibler park

Meredale ringblock: 27 and 29 Sept 10

Dobsonville (including Dlamini ringblock 93)

Total Sept outbreak vaccination

9 470

Total annual outbreak vaccinations

13 471



Source : Gauteng
Dept of Vet Services

RABIES - SOUTH AFRICA (03): (GAUTENG), CANINE, HUMAN

A DroMED mail post

A ProMED-mail post Date: Mon 4 Oct 2010

From: Lucille Blumberg < lucilleb@nicd.ac.za>

Rabies was confirmed as the cause of death in the 2-year-old child who died in a Johannesburg hospital recently, one month after being scratched by an unvaccinated, domestic puppy in Soweto.

