Congo fever

Congo fever is transmitted by the *Hyalomma* (bontlegged) tick. The Congo fever virus is widespread in Africa, Europe and Asia where this tick occurs. The disease was first diagnosed in South Africa in 1981 in a child who was bitten by a tick.

How do animals, ostriches and birds get infected with Congo fever?

- Congo fever is a tick-borne viral disease of humans, animals, ostriches and other birds. The bontlegged tick is the most important carrier of this virus. The Congo-fever virus causes no apparent illness in animals, except for a mild fever as a result of the virus circulating in the animal (viraemia) for a very short period.

How is the disease transmitted to humans?

- Congo fever is transmissible to humans through contact with infected blood, other tissue or a tick bite. People handling livestock or ostriches during routine procedures, such as castration, the inserting of eartags, vaccinations or slaughtering of animals, are at risk.
- People can also get infected through the handling of ticks.

Symptoms of Congo fever in humans

- Humans usually show symptoms within 9 days after a tick bite or contact with infected blood. They get a flu-like illness and blood spots appear under the skin. More severe bleeding and liver disease often follow. About 30% of people contracting Congo fever may die. Because this is a viral disease, antibiotics are not an effective method of treatment.
The symptoms of Congo fever should not be confused with those of tick-bite fever where a characteristic lesion often develops in the area of the tick bite.

There are also other diseases which may cause fever and bleeding under the skin. Diagnosis, therefore, is a specialised task undertaken by laboratories.

Is meat safe for human consumption?

There is no evidence that the Congo-fever virus may be transmitted to humans in meat processed and matured according to health regulations. This virus does not survive in meat which is cooked or matured (low pH) or in dried blood.

How can people at risk be protected against the disease?

Many human infections result directly from tick bites:
- Animals should be treated with acaricides (which protect against tick bites) to reduce the number of ticks.
- Clothing can be treated with acaricides.

People coming into contact with fresh blood are at risk:
- Protective clothing should be worn to avoid exposure of skin to fresh blood and other tissue.

Meat processed and matured according to health regulations is not regarded as a risk.
- Only buy meat from animals slaughtered at an approved abattoir.

Consult your medical doctor if any suspected symptoms are noticed.
For further information contact:

♦ Directorate Animal Health
  Private Bag X138, Pretoria 0001
  Tel:  012 319 7489
  Fax:  012 329 0499

♦ Directorate Veterinary Public Health
  Private Bag X138, Pretoria 0001
  Tel:  012 319 7679
  Fax:  012 329 7699

♦ National Department of Health (Information Centre)
  Tel:  012 395 9150
  Fax:  012 395 8422

♦ Resource Centre
  Department of Agriculture, Forestry and Fisheries
  Tel:  012 319 7141/7085
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