Cannibalism & Mad Cow Disease

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DISCLAIMER
THE SACRED COW

Moo, my child.
Bovine spongiform encephalopathy
Mad Cow Disease
What?
What?

A neurodegenerative disease
Cause?
Cause?

Prions
Cause?

Prions
PrP
PrP^C
endogenous PrP\textsuperscript{c} →

interaction between PrP\textsuperscript{c} and PrP\textsuperscript{sc} →

Spontaneous generation of PrP\textsuperscript{sc}
Conversion of mutant PrP to PrP\textsuperscript{sc}
Inoculation of PrP\textsuperscript{sc} →

conversion of PrP to PrP\textsuperscript{sc} →
accumulation of PrP\textsuperscript{sc}
**Prion replication cycle**

- **Infection**
- **Nucleation**
- **PrP^C → PrP^Sc**
- **Breakage**
- **Elongation, conformational change**
- **Breakage into multiple new seeds**
Negative Effects
Negative Effects

• 180,000 cattle infected
Negative Effects

- 180,000 cattle infected
- 4.4 million cattle slaughtered
Negative Effects

- 180,000 cattle infected
- 4.4 million cattle slaughtered
- Transmittable to human beings.
Negative Effects

- 180,000 cattle infected
- 4.4 million cattle slaughtered
- Transmittable to human beings.
- 210 people killed
Negative Effects

- 180,000 cattle infected
- 4.4 million cattle slaughtered
- Transmittable to human beings.
- 210 inedible people killed
I ❤️ People
I ♥
EATING
People
Cannibalism
Cannibalism

• From the carib tribe
Cannibalism

- From the carib tribe
- Still practiced today
Cannibalism

- From the carib tribe
- Still practiced today (part of war)
Cannibalism

- From the carib tribe
- Still practiced today (part of war)
- Korowai Tribe
Cannibalism

• From the carib tribe
• Still practiced today (part of war)
• Korowai Tribe
• Sexual Cannibalism
the Donner Party
Stay safe
Stay safe
Don't eat the brain
But...
But...

Scientists are working on it.
My Will
Questions?
Questions?
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