



Rabies Virus: Incubation and Excretion



Statutes of confusion

130A – 196 vs. 130A - 197

10-day vs. 6-month quarantine

Incubation vs. “shedding”





Statutes of confusion

§ 130A-196. Confinement of all biting dogs and cats

...All dogs and cats that bite a person shall be immediately confined for 10 days in a place designated by the local health director ...





Statutes of confusion

§ 130A-197. Infected dogs and cats to be destroyed ...

When the local health director reasonably suspects that a dog or cat has been exposed to the saliva or nervous tissue of a proven rabid animal or animal reasonably suspected of having rabies ... (it) shall be destroyed immediately ... As an alternative to destruction, the dog or cat may be quarantined at a facility approved by the local health director for a period up to six months, and under reasonable conditions imposed by the local health director.





Incubation period

- An incubation period is the duration of time between the exposure to the virus and the onset of signs of disease
- 6 months is the generally accepted outside limit of incubation for dogs and cats



Timeline

Animal
exposed to
rabies virus

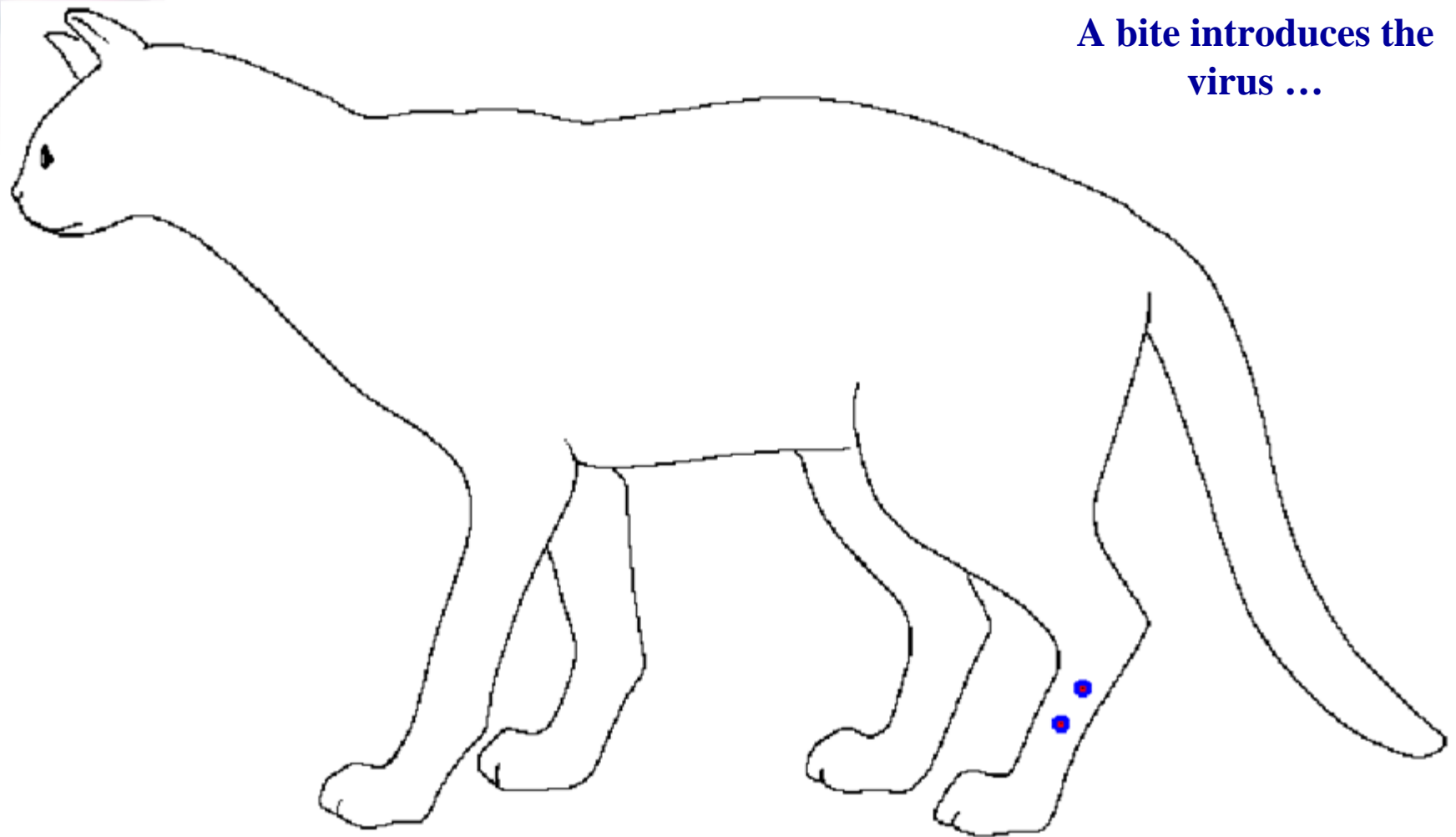
Incubation period

Onset of signs
of disease





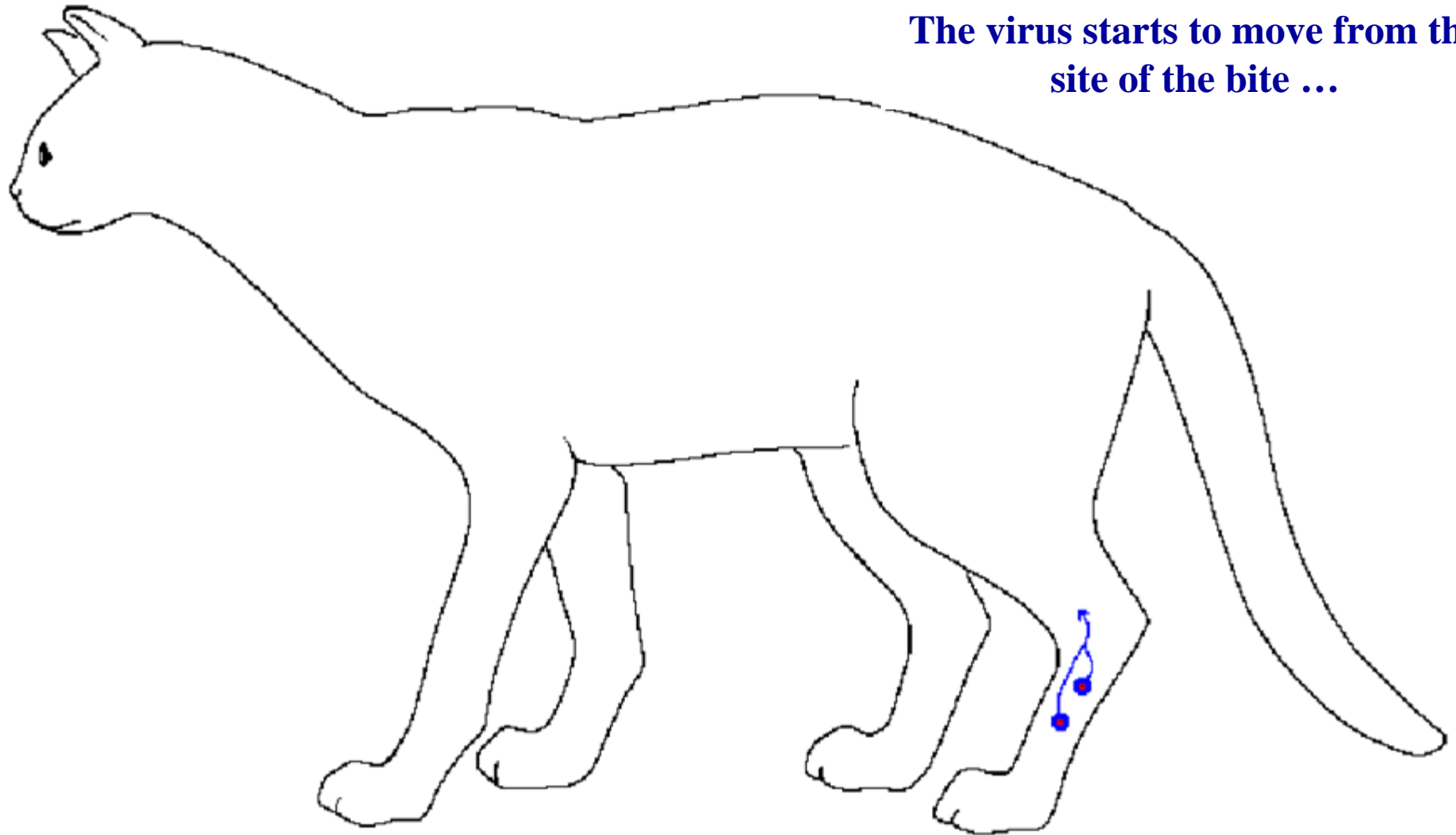
Incubation:



**A bite introduces the
virus ...**



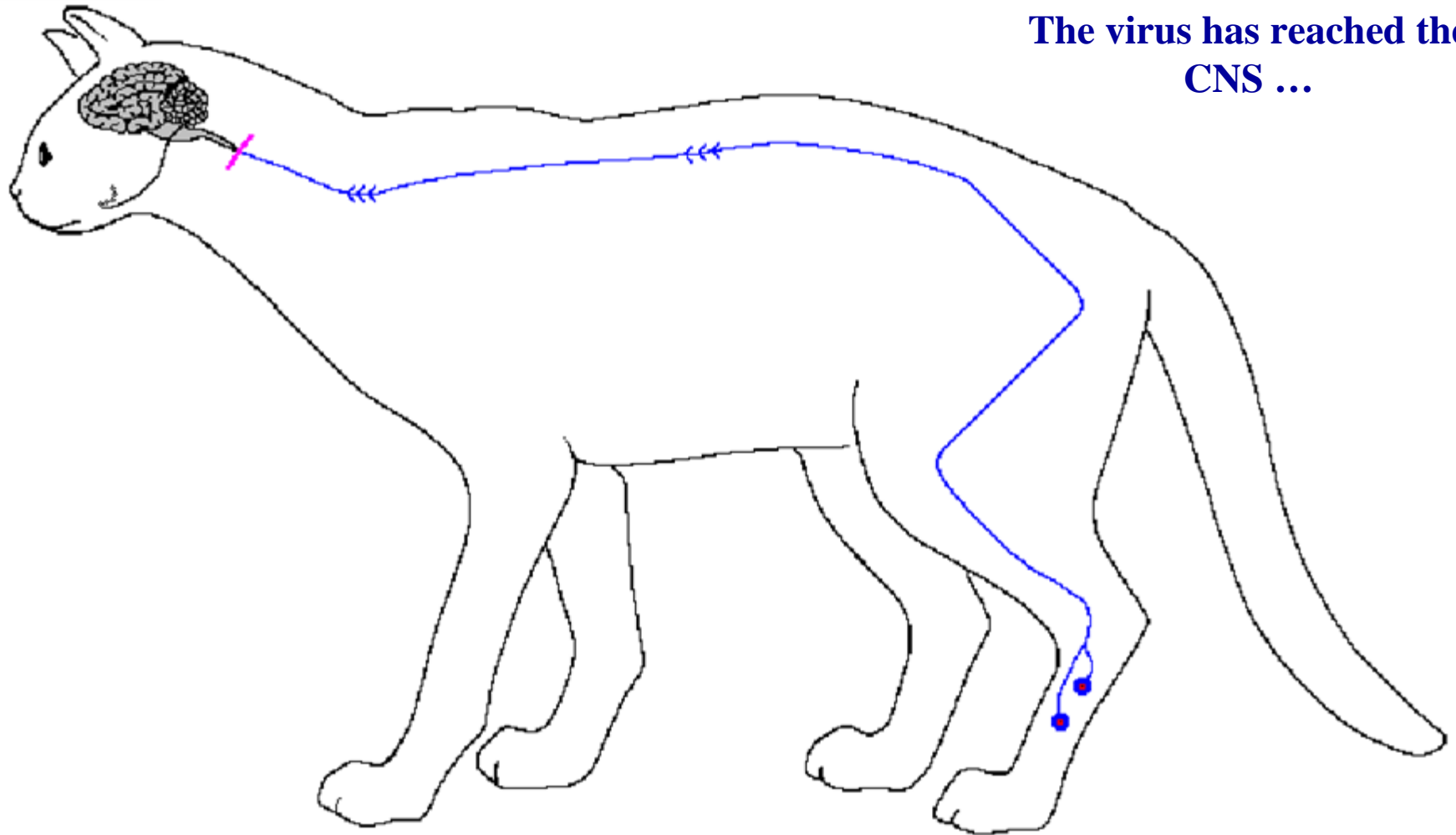
Incubation:



The virus starts to move from the site of the bite ...



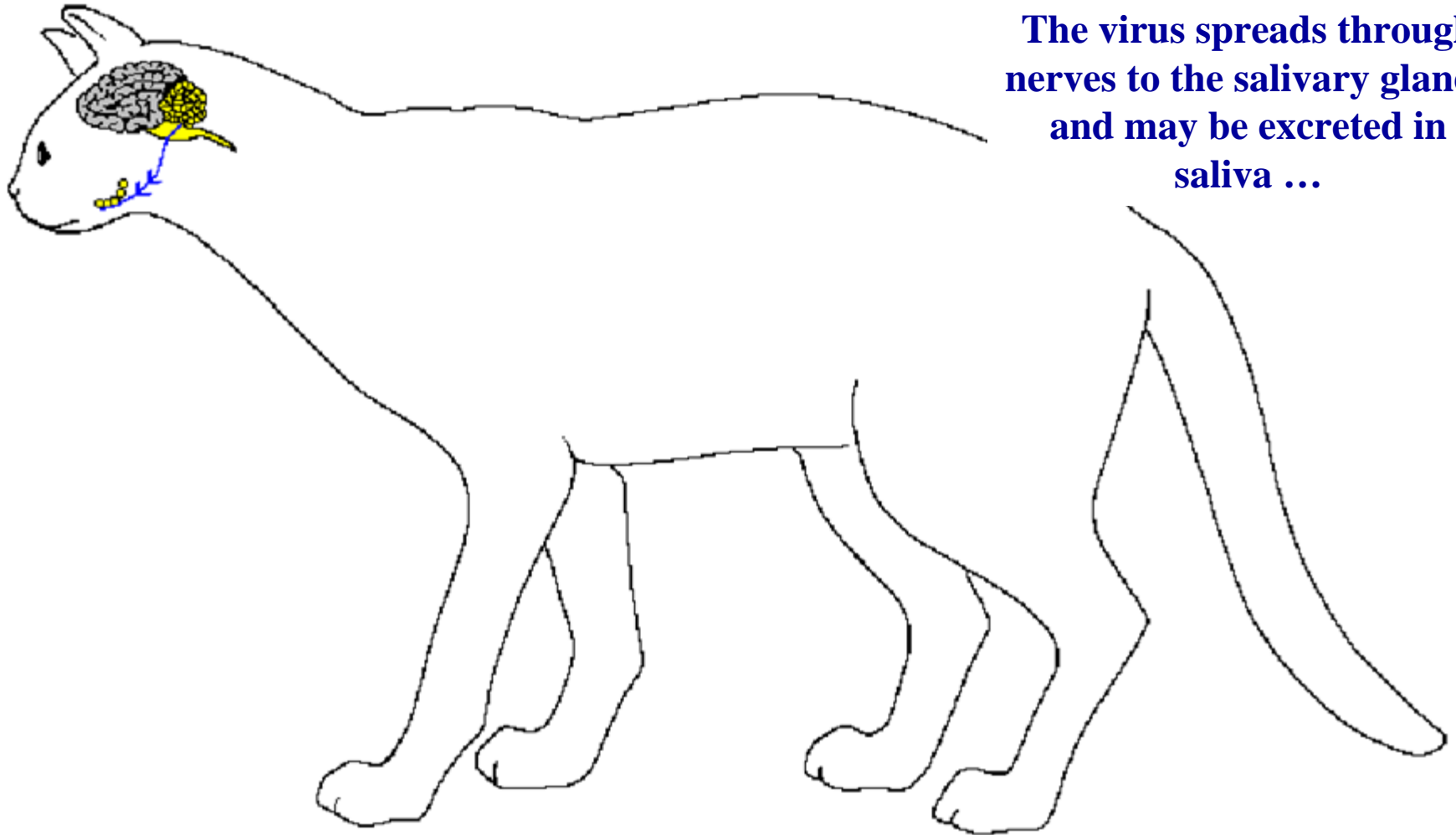
Incubation:



**The virus has reached the
CNS ...**



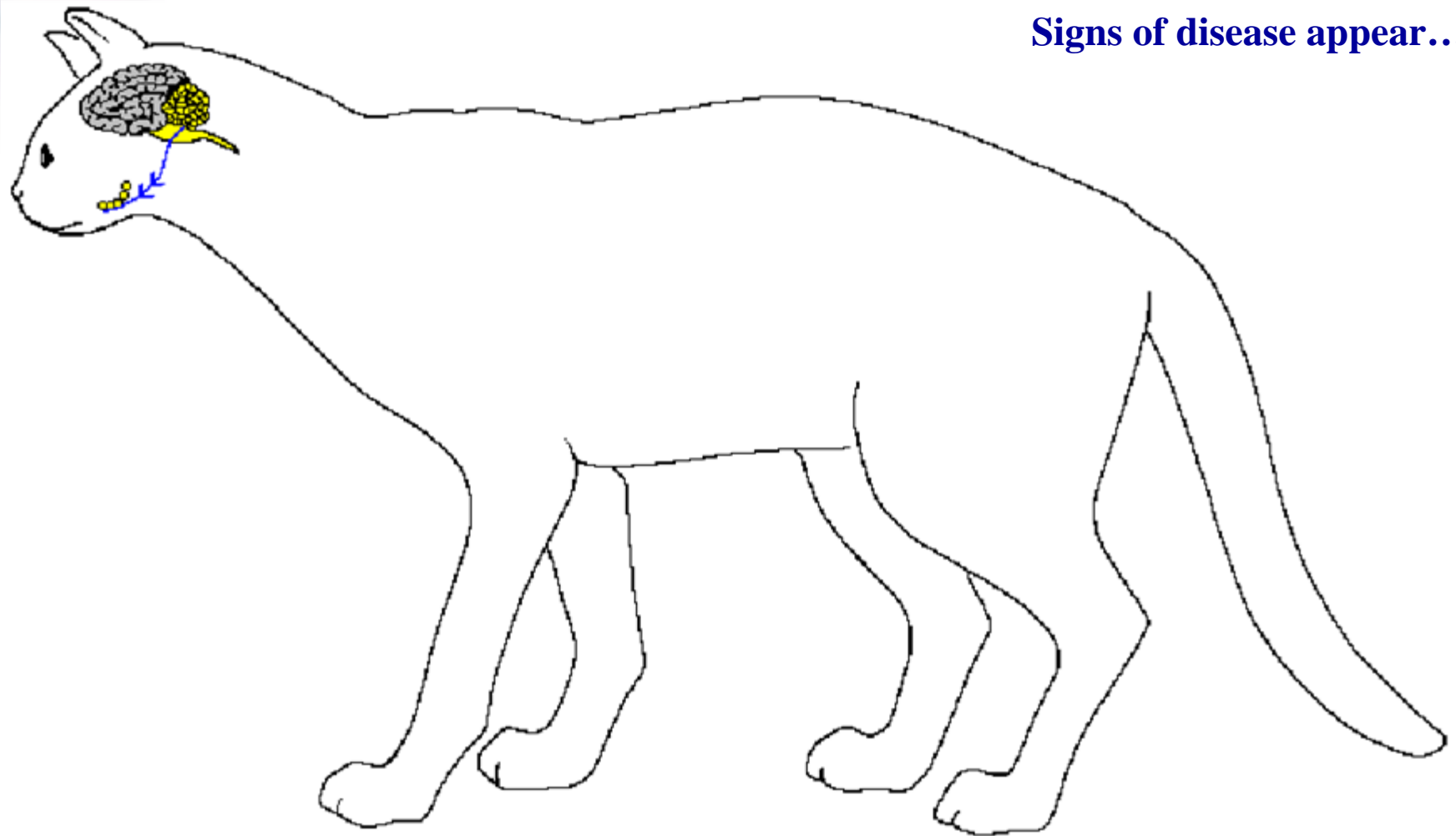
Incubation



The virus spreads through nerves to the salivary glands and may be excreted in saliva ...



Incubation

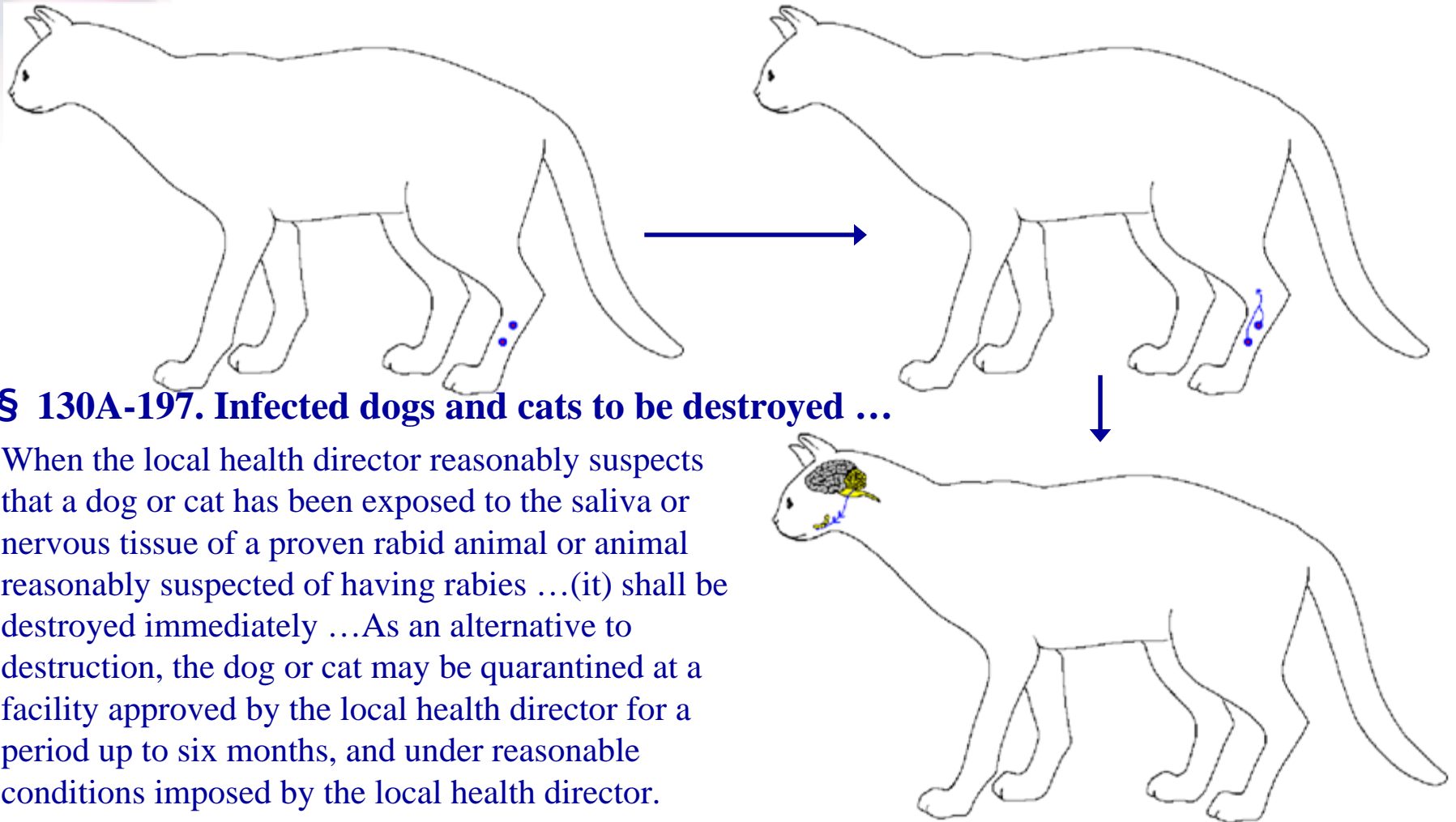


Signs of disease appear...



Incubation period

& the North Carolina Statutes



§ 130A-197. Infected dogs and cats to be destroyed ...

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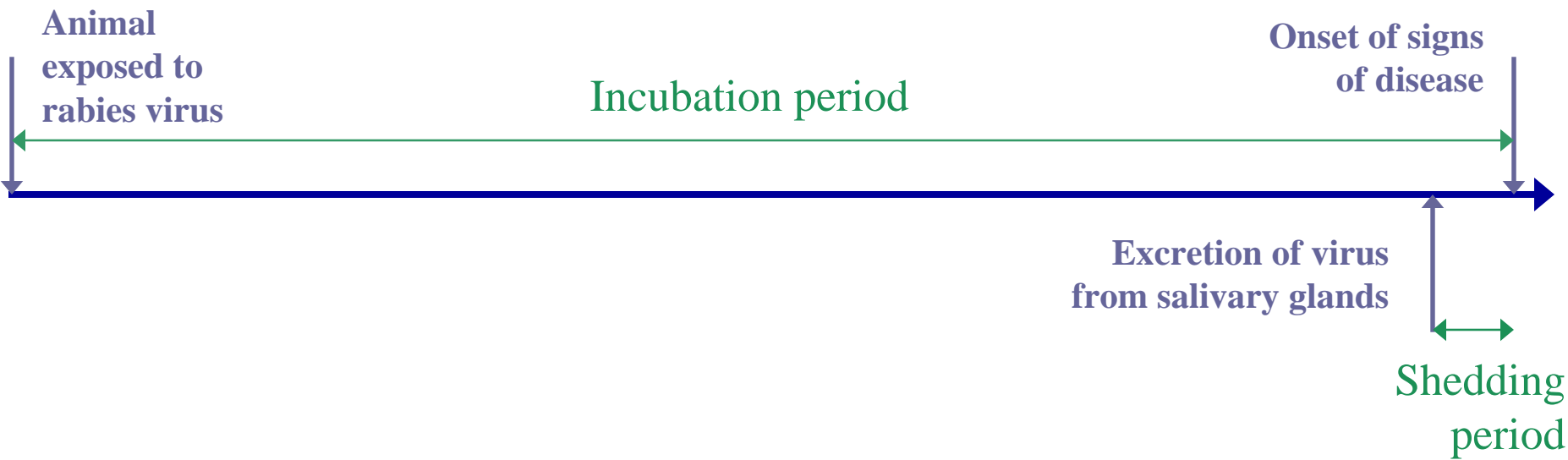


“Shedding” period

- “Shedding” of virus occurs when rabies virus is excreted in the saliva
- We know the shedding period for dogs, cats and ferrets.
- We don’t know the shedding period for other species.



Timeline



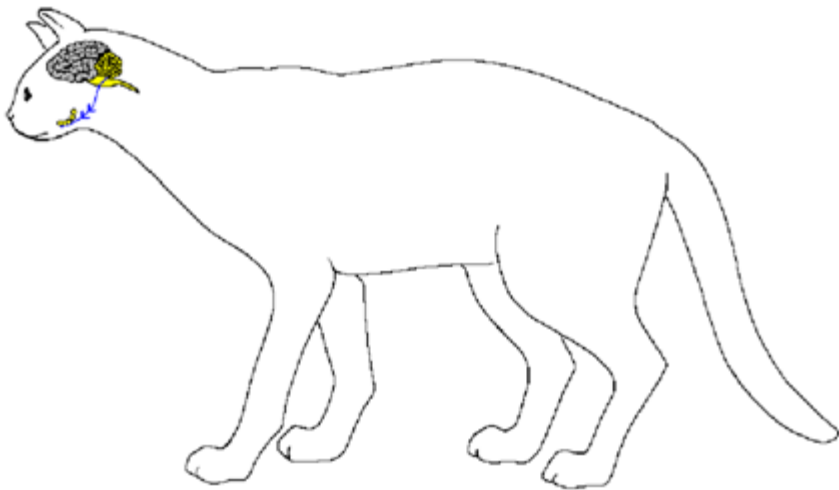


Shedding

& the North Carolina Statutes

§ 130A-196. Confinement of all biting dogs and cats

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Department of Health
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