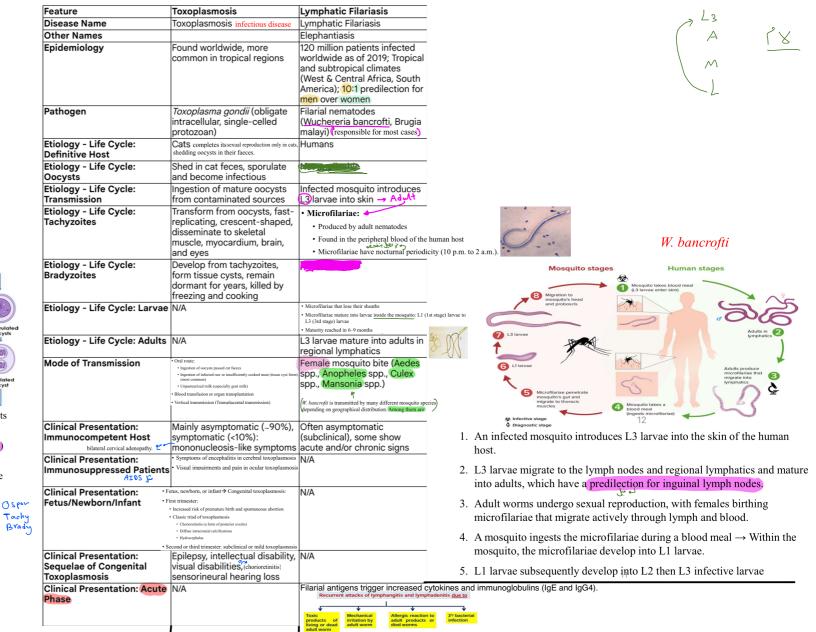


- and become infectious
- 3. Humans, and various animals become infected by ingesting mature
 - oocysts from contaminated sources, leading to infection. • This can occur through consuming contaminated food, water, or soil, or
- 4. Once ingested, the oocysts transform into tachyzoites, which are: Obligate intracellular fast-replicating form, Crescent-shaped form with a central nucleus.

handling cat litter without proper hygiene.

tachyzoites → multiply rapidly in GI cells → rupture cells

- 4. Tachyzoites are transported in the lymphatics and disseminate in the bloodstream to: Skeletal muscle, Myocardium, Brain, and
- localize in neural and muscle tissues → develop into tissue cysts
- · Immune system generally controls the replication of tachyzoites



- 7. The tachyzoites forms a thick wall around itself converting into bradyzoites (tissue cyst)
 - Resistant to digestive enzymes
 - Bradyzoites develop cysts and remain dormant → can remain dormant for years
 - Killed by freezing and normal cooking temperatures
- 8. Cat consumes an infected intermediate host's tissue that harbour tissue cysts → organism undergoes sexual cycle → cycle continues



