Coxiella burnet 2

- gram (-)

- obligate intracellular + cants make its own energy

/- causes Q fever



- from animals to humans (Zoonahic infections)

- non-motile

- endosporulation

عثان حیک لماہری (آذریعامثان آدرمعا لاخ آذریعا نی:-

1- animal innoculation

2- Embry-nated Eggs

3- cell cultive

Q fever: atypical preumonia

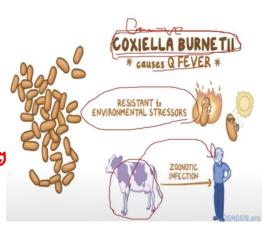
-Lab test

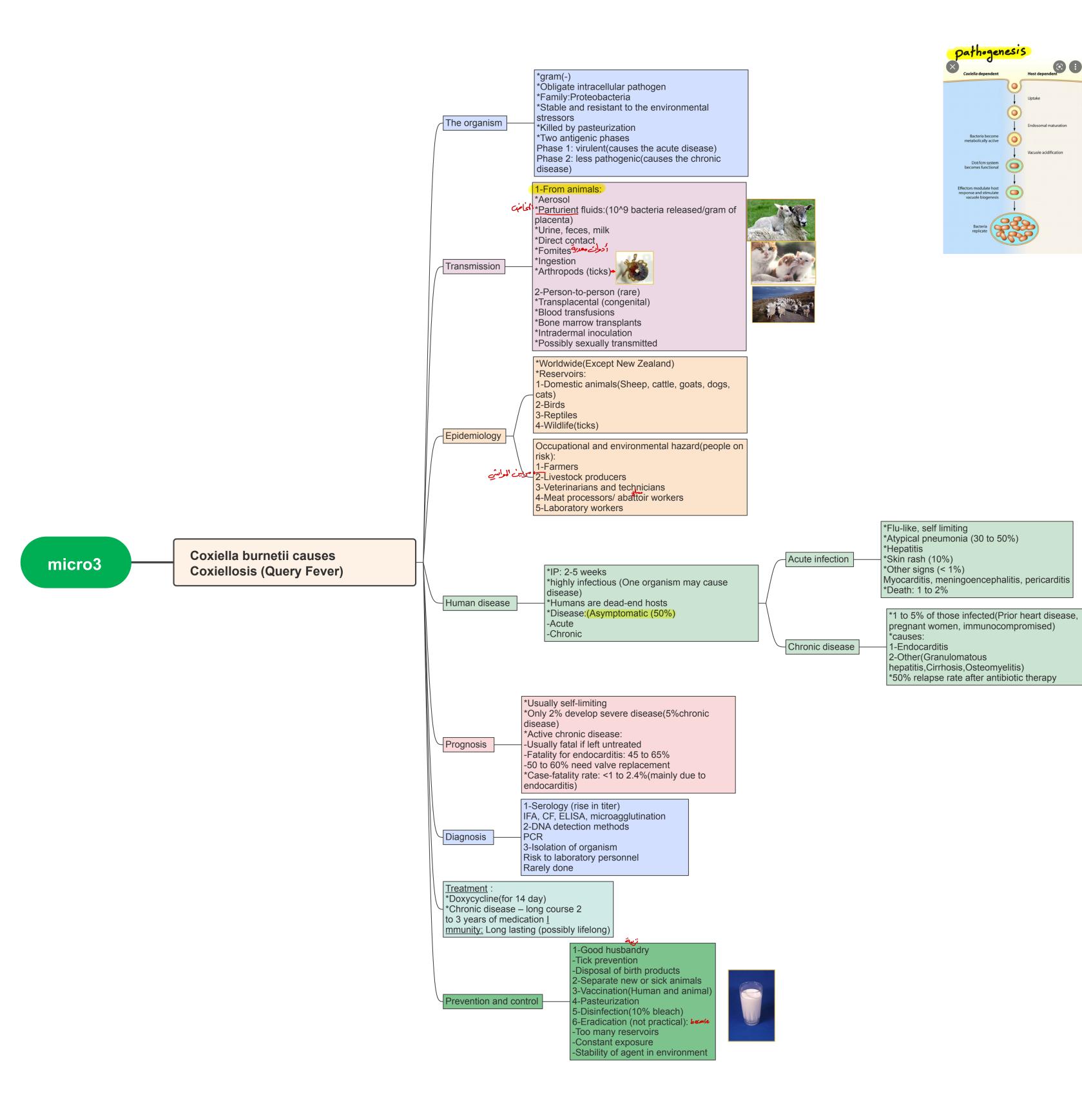
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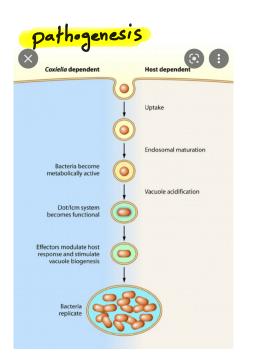
culture letter their b

highly contagions leist

history of frequent contact with animals or its placenta







Risk to Pregnant Women:

3-Reported complications *In-utero death

*Premature birth *Low birth weight *Placentitis

1-Most pregnant women are asymptomatic 2-Transplacental transmission

Rickettsiae

- □ bacteria which are obligate intracellular parasites
- □ spread by arthropod vectors
 - □ lice, fleas, mites and ticks
- The rickettsial diseases of man are usually broken down according to the arthropod vector

Rickettsiae

- □ Rickettsia prowazekii
- □ Rickettsia typhi
- □ Ehrlichia chaffeensis

Rickettsia rickettsii

- □ Disease/Bacterial Factors
 - ☐ Rocky Mountain Spotted Fever
 - □ intracelluar parasite that multiples in host cytoplasm
- ☐ Transmission
 ☐ ticks are primay reserved.

Risk?

- ticks are primay reservoir and vector
- ☐ Requires 24-48 hour exposure to feeding tick

- □ Control
- □ tetracyclines &
 - ☐ Avoid tick infested areas

chloramphenicol

- □ insect repellent
- □ remove ticks



Rash of Rocky Mountain Spotted Fever

