

Genus- *Rhipicephalus*

Morphology , lifecycle , Pathogenesis ,
Prevention & control

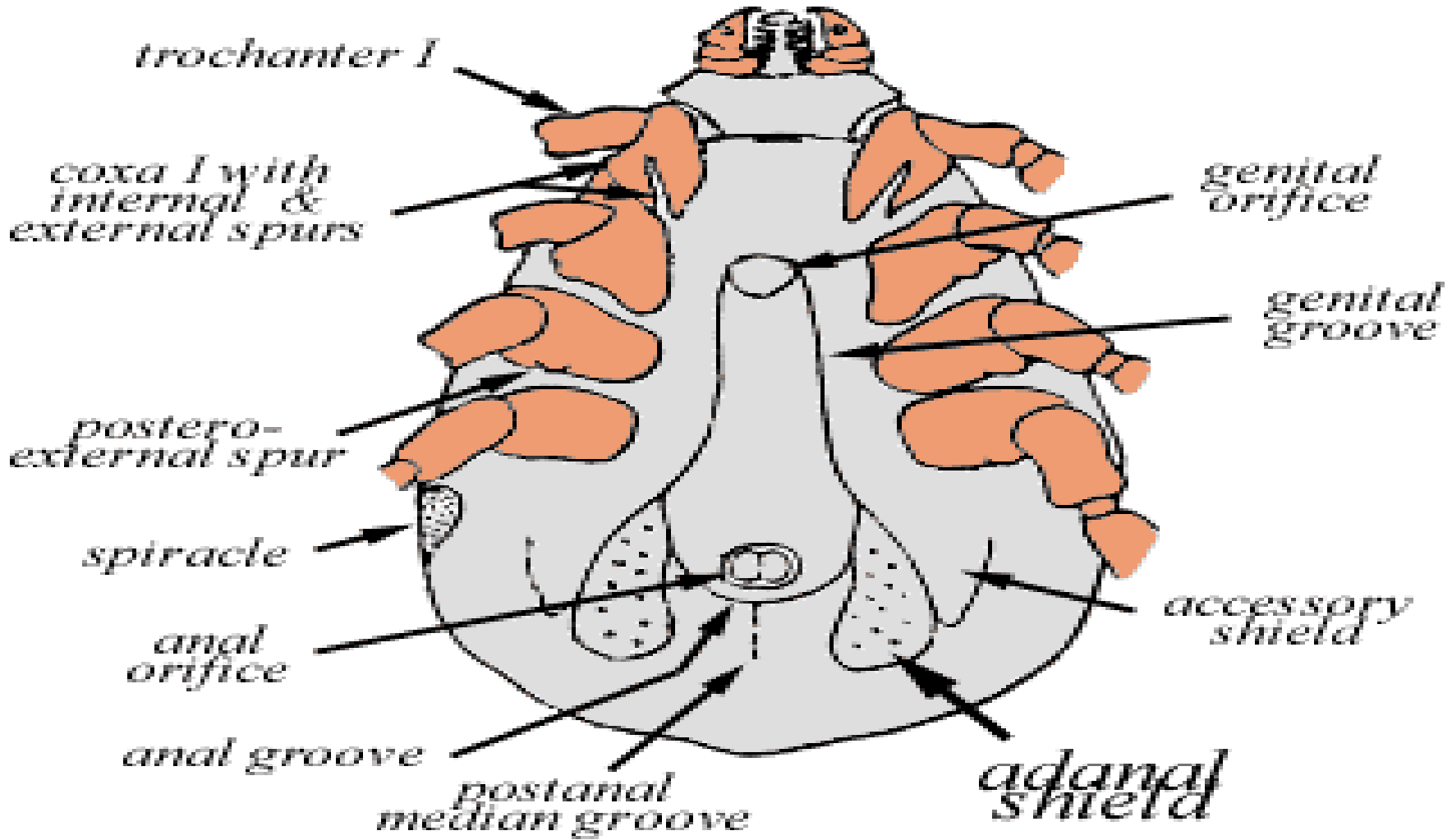


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Morphology: Rhipicephalus

- ❑ *Rhipicephalus appendiculatus* is a moderate-sized reddish-brown tick.
- ❑ They are inornate type tick.
- ❑ The palps are short, broad.
- ❑ When viewed from the dorsal aspect, the basis of the capitulum has a distinct hexagonal shape with protruding lateral margins

Rhipicephalus sanguineus
male



Parts of the body : *Rhipicephalus* .



Rhipicephalus appendiculatus

SOURCE--GOOGLE

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Rhipicephalus sanguineus

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Rhipicephalus evertsi

SOURCE--GOOGLE

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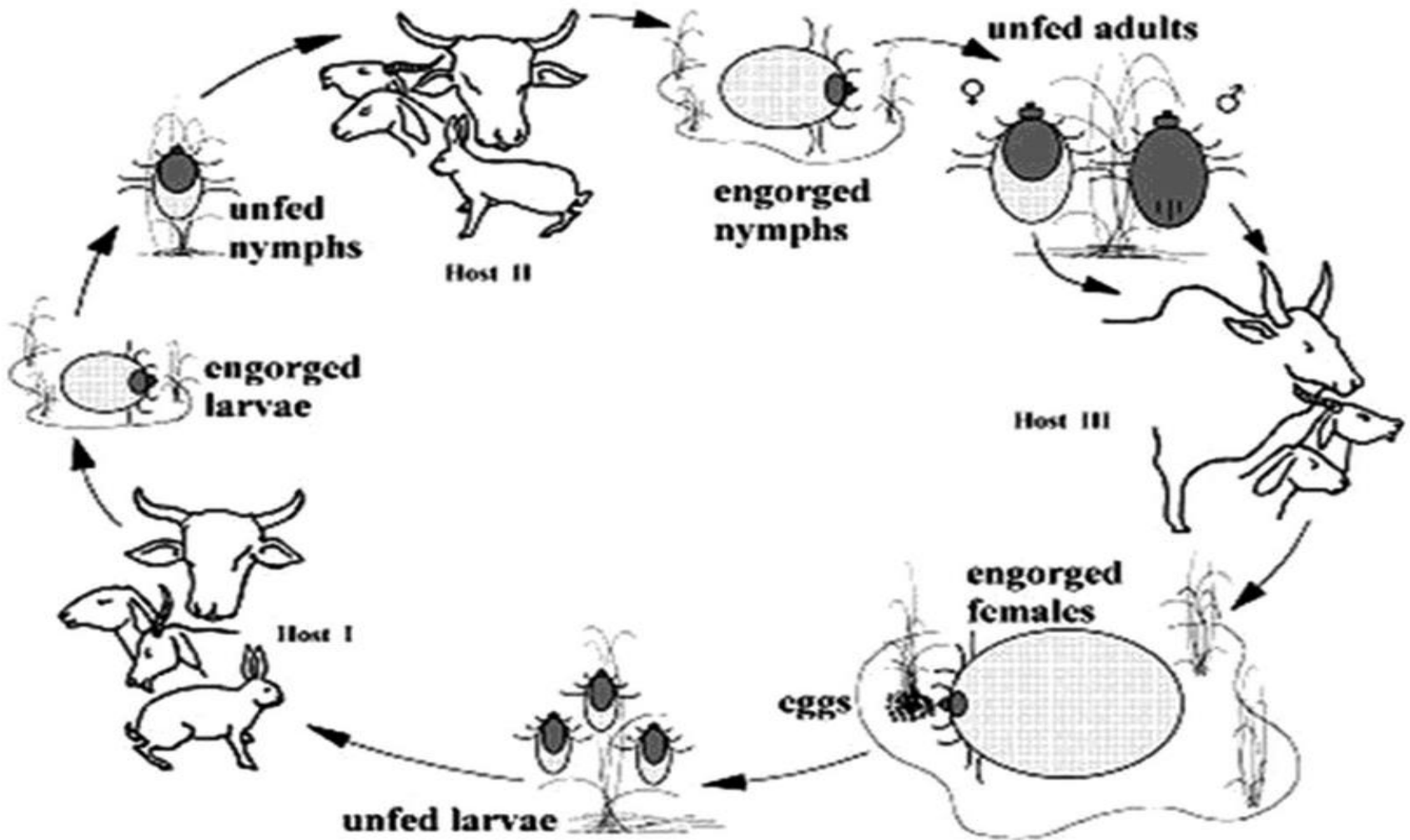
1 mm



Rhipicephalus bursa

Life cycle of Rhipicephalus

- ❑ The female lays about 3000-5000 eggs at a time
- ❑ After hatching larva come out .
- ❑ Larvae feed for 5 to 15 days, then drop from the dog,
- ❑ The larva take about one to two weeks to develop into nymphs .
- ❑ The nymphs then find and attach to another host , feed for 3 to 13 days,
- ❑ Then fall on the ground from the dog.
- ❑ Take about two weeks to develop into adults.



Life cycle of *Rhipicephalus*

Ticks

Order: Acarina



1. Eggs



2. Larva



3. Nymph



4. Adult

Different stages of life cycle

Pathogenesis of Rhipicephalus

- ❑ The Brown dog tick is almost exclusively a parasite of dogs.
- ❑ Adults are found in the ears and between the toes of dogs and live up to 1 1/2 years, without feeding.
- ❑ The Brown dog tick or *Rhipicephalus sanguineus* is a putative vector of *Ehrlichia canis*, causes Canine ehrlichiosis.
- ❑ *Babesia vogeli*, a protozoan parasite that causes Canine babesiosis.
- ❑ *Rickettsia rickettsii*, the causative agent of Rocky Mountain spotted fever, and other *Rickettsia* species such as *R. belli*, *R. rhipicephali* and *R. montana*.



Canine Ehrlichiosis

SOURCE-GOOGLE.

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Canine Ehrlichiosis

SOURCE-GOOGLE.

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SOURCE- GOOGLE

ROCKY MOUNTAIN SPOTTED FEVER

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