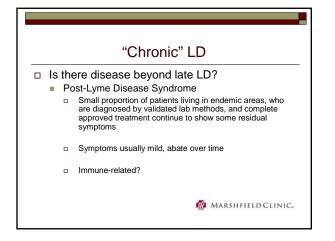


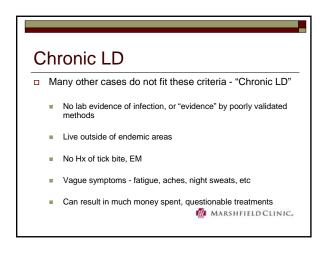
LD

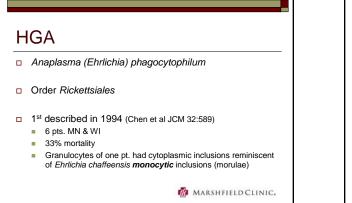
 Late, Disseminated (months-years post bite)

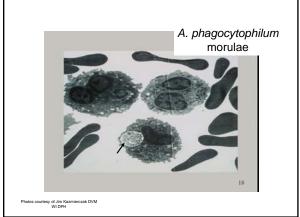
MARSHFIELD CLINIC.

- Migrating arthritis, esp. knees
- Various chronic neuropathies









HGA □ 16S rRNA sequence analysis: > 99.8% homologous to the animal pathogens E. phagocytophila and E. equi only 92.5% homologous to E. chaffeensis "Agent of human granulocytic ehrlichiosis" □ After several reclassifications, now known as "Anaplasma phagocytophilum" MARSHFIELD CLINIC.

HGA

- Common Symptoms
 - Fever
 - Headache
 - Malaise/myalgia
 - Thrombocytopenia, neutropenia
 - 1 hepatic transaminases
 - Rash is rare: compare to Rocky Mountain Spotted Fever (Rickettsia rickettsii) where rash is common
- □ Usually self-limited, but fatalities occur (<1%)

MARSHFIELD CLINIC.



