

SORTING OUT CO-INFECTIONS

- **LYME-**
 - Gradual onset of initial illness, no sweats, 4-week cycles
 - Multisystem, joint involvement, afternoon fevers
 - Bb antibodies usually present, low CD-57
 - Herxheimer; otherwise, slow response to onset of antibiotics and slow relapse
- **BARTONELLA-**
 - Gradual onset of initial illness, occasional light night sweats
 - More CNS symptoms than skeletal symptoms, with CNS irritability, GI upset, sore soles, subcutaneous nodules arms and legs, AM fevers, swollen lymph glands
 - Elevated VEGF
 - Rapid relapse of symptoms if treatment ended too soon or if treatment not optimal
- **BABESIA-**
 - Abrupt onset of initial illness, obvious sweats especially at night, cycles every few days
 - Fatigue, global headaches, air hunger, cough, hypercoagulable (responds to Heparin)
 - Very severe Lyme symptoms and poor response of Lyme to otherwise appropriate treatment
- **EHRlichia-**
 - Rapid onset of initial illness, may be high fevers and rarely spotted rash like RMSF
 - Headaches (knife-like and behind eyes), sore muscles
 - Low WBC, elevated liver function tests
- **MYCOPLASMA-**
 - Gradual onset, may be light sweats, symptoms are made worse with exercise
 - Major fatigue and neurological dysfunction, metabolic disturbances, immune damage
 - Found in the sickest and poorest-responding Lyme patients (CFIDS-like, ALS)