Borrelia miyamotoi is a bacteria in the relapsing fever group of Borrelia. Although it’s not closely related to the Lyme disease bacteria, it can cause a Lyme-like-illness. Symptoms include fever, headaches, muscle aches and chills, rash uncommon. Diagnosis is by PCR testing that is now available at several labs. Treatment is doxycycline. Borrelia miyamotoi was identified in 1995 in ticks from Japan. The bacteria is now transmitted by two ticks in the US, Ixodes scapularis (black-legged/deer tick) and Ixodes pacificus (western black-legged tick).