

**Table I. Recommended Treatment for Lyme Disease**

Stage or disease location	Antibiotic	Dose	Note
Tick bite	Doxycycline (see note)	200mg po x 1	<p>Observe pt and No prophylactic treatment in most circumstances.</p> <p>Only treat if known Ixodes tick, from highly endemic area (New England, parts of Mid Atlantic states, Minnesota, Wisconsin), &gt;36 hours attached, can give prophylaxis within 72 hours, no contraindication to doxycycline</p>
Erythema migrans			
	Doxycycline	100mg po bid x 2-3 weeks	
	Amoxicillin	500mg po tid x 2-3 weeks	
	Cefuroxime axetil	500mg po bid x 2-3 weeks	
Cardiac			
1 <sup>st</sup> degree AV Block	Doxycycline, amoxicillin or cefuroxime axetil as above		Admit for observation if symptomatic or PR interval >300 milliseconds
2 <sup>nd</sup> degree AV block	Ceftriaxone	2g IV qd x 2-4 weeks	Admit for observation

	Penicillin G	3-4 million units q 4 hours x 2-4 weeks	
	Cefotaxime	2g IV q8 hours x 2-4 weeks	
3 <sup>rd</sup> degree AV block			Admit for observation, permanent pacemaker usually not necessary with treatment
Arthritis			
	Doxycycline, amoxicillin or cefuroxime axetil as above x 4 weeks	Ceftriaxone, Penicillin G or cefotaxime as above x 2-4 weeks	Use parenteral therapy for more severe disease
Neurologic disease			
Isolated facial palsy	Doxycycline, amoxicillin or cefuroxime axetil as above x 2-3 weeks		
All other CNS manifestations	Ceftriaxone, Penicillin G or cefotaxime as above x 2-4 weeks		
Acrodermatitis chronicum atrophans	Doxycycline, amoxicillin or cefuroxime axetil as above x 3 weeks		
“Chronic Lyme Disease”	Prolonged antibiotic courses not recommended		See full discussion in chapter