

Day	Treatment	
	“Single” (two-injection) protocol	“Split” (three-injection) protocol
Day 0	<p>Dog diagnosed and verified as heartworm positive:</p> <ul style="list-style-type: none"> • Positive antigen (Ag) test verified with microfilaria (MF) test • If no microfilariae are detected, confirm with 2nd Ag test from a different manufacturer Begin exercise restriction. <p>The more pronounced the signs, the stricter the exercise restriction If the dog is symptomatic:</p> <ul style="list-style-type: none"> • Stabilize with appropriate therapy and nursing care • Prednisone prescribed at 0.5 mg/kg BID 1st week, 0.5 mg/kg SID 2nd week, 0.5 mg/kg EOD 3rd and 4th weeks 	

Day 1	<p>Administer heartworm preventive.</p> <ul style="list-style-type: none"> • If microfilariae are detected, pretreat with antihistamine and glucocorticosteroid, if not already on prednisone, to reduce risk of anaphylaxis • Observe for at least 8 hours for signs of reaction 	
Days 1-28	<p>Administer doxycycline 10 mg/kg BID for 4 weeks.</p> <ul style="list-style-type: none"> • Reduces pathology associated with dead heartworms • Disrupts heartworm transmission 	
Day 30	Administer heartworm preventative	
Day 60	<p>Administer heartworm preventive. First melarsomine injection 2.5 mg/kg intramuscularly (IM) Prescribe prednisone 0.5 mg/kg BID 1st week, 0.5 mg/kg SID 2nd week, 0.5 mg/kg EOD 3rd and 4th weeks. Decrease activity level even further.</p>	<p>Administer heartworm preventive. First melarsomine injection 2.5 mg/kg intramuscularly (IM) Prescribe prednisone 0.5 mg/kg BID 1st week, 0.5 mg/kg SID 2nd week, 0.5 mg/kg EOD 3rd and 4th weeks. Decrease activity level even further.</p>

	<ul style="list-style-type: none"> • Cage restriction/on leash when using yard 	<ul style="list-style-type: none"> • Cage restriction/on leash when using yard
Day 61	Second melarsamine injection 2.5mg/kg IM	
Day 90	Administer heartworm preventative.	Administer heartworm preventative. Second melarsamine injection 2.5 mg/kg IM
Day 91	Administer heartworm preventative.	Third melarsamine injection 2.5 mg/kg IM Prescribe prednisone 0.5 mg/kg BID 1st week, 0.5 mg/kg SID 2nd week, 0.5 mg/kg EOD 3rd and 4th weeks. Continue exercise restriction for 6 to 8 weeks following last melarsamine injections.
Day 120	Establish year-round heartworm prevention.	
Day ~330	Antigen test 9 months after completion; screen for microfilariae.	

Day
~365

Antigen test **9** months after
completion; screen for microfilariae.