CARING FOR YOUR DOG AFTER TREATMENT

HOW LONG WILL MY DOG BE IN THE HOSPITAL?

In most cases, dogs can come home from the hospital following the procedure. However, your dog's condition and your veterinarian's judgment will best determine when your dog may go home.

HOW SOON CAN MY DOG RESUME NORMAL ACTIVITIES?

Your dog will need to rest to prevent complications resulting from stress on the heart and lungs before returning to normal activities. Remember to follow your vet's recommendations and suggested weeks of rest. This could mean:

Most Dogs > Staying indoors

Very active dogs Remaining closely confined

Please check with your veterinarian before you allow your dog to resume normal exercise.



Heartworm disease and treatment are serious matters. Your dog will need some extra tender loving care and rest after treatment.

WORKING WITH YOUR VETERINARIAN

Are there any side effects from the treatment?

Your dog may also

show other signs from

Respiratory difficulty

the presence of dead

worms, including:

Depression

Fever

As the worms within the heart and circulatory system are killed, some dogs may experience:

- A temporary lack of appetite
- Drooling
- An upset stomach
- Panting

If these or other signs of discomfort develop, please call your veterinarian, who will see that your dog gets appropriate care.

How soon should I bring my dog back to the veterinarian?

Your veterinarian will schedule a checkup to ensure your dog's recovery is progressing. **Then, nine months after treatment, your veterinarian will do a follow-up test** to make sure your dog is heartworm negative.



Heartworms are easily transmitted by mosquitoes. Having them once DOES NOT make your dog immune. It's important to continue to bring your dog in for regular checkups, and to ensure your dog is on a year-round heartworm

preventive, such as HEARTGARD[®] Plus (ivermectin/pyrantel). Your veterinarian will recommend the best heartworm preventive medication for your dog's lifestyle. Talk to your veterinarian about any questions you may have about your dog's heartworm treatment.

IMPORTANT SAFETY INFORMATION: Following the use of HEARTGARD[®] Plus (ivermectin/pyrantel) digestive and neurologic side effects have been reported. All dogs should be tested for heartworm infection before starting a preventive program. For more information, see enclosed full prescribing information, speak to your vet, or visit HEARTGARD.com.

Boehringer Ingelheim HEARTGARD[®] is a registered trademark of Boehringer Ingelheim Animal Health USA Inc. ©2023 Boehringer Ingelheim Animal Health USA Inc., Duluth, GA. All rights reserved. US-PET-0689-2022-V2

IMPORTANT INFORMATION

YOUR DOG'S TREATMENT FOR HEARTWORM DISEASE



Your dog has been diagnosed with a serious disease caused by *Dirofilaria immitis*, worm-like parasites better known as heartworms. In this brochure, you'll learn what you and your veterinarian can do to treat your dog and help protect against reinfection.



TREATING YOUR DOG FOR HEARTWORM DISEASE



Physical Examination

If your veterinarian has not already done so, he or she will first conduct a complete physical examination to determine the health status of your dog and the severity of the disease.

Testing

Laboratory tests and radiographs may also be ordered as part of a complete assessment to help tailor treatment for your dog's condition.



Medical Treatment

Heartworms can be treated with a medication that kills the adult heartworms in the heart and lungs. This medication is given by an injection, so your dog will need to stay in the hospital to be monitored during and after the injection procedure. While this medication is effective, there is a possibility that a few adult heartworms will remain.

Additional Care

Supportive medications may be administered as necessary on a case-by-case basis. Your veterinarian may also prescribe additional medication following heartworm treatment to kill any immature heartworms that may be in the blood.

HEARTWORM DISEASE IS A SERIOUS HEALTH PROBLEM.

But you can trust your veterinarian to combine their knowledge and skill with modern medicines to provide your dog with the best chance for recovery.

VETERINARIAN'S RECOMMENDATIONS

Dog's Name:

Heartworm treatment can seem like a complicated process. Discuss with your vet the details around key steps, care instructions, and upcoming dates for you and your dog:



CHEWABLES

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

INDICATIONS: For use in dogs to prevent canine heartworm disease by eliminating the tissue stage of heartworm larvae (Dirofilaria immitis) for a month (30 days) after infection and for the treatment and control of roundwon (Toxocara canis, Toxascaris leonina) and hookworms (Ancylostoma caninum, Uncinaria stenocephala, Ancylostoma braziliense). DOSAGE: HEARTGARD® Plus (ivermectin/pyrantel) should be administered orally at monthly intervals at the recommended minimum dose level of 6 mog of ivermectin per kilogram (2.72 mog/lb) and 5 mg of pyrantel (as pamoate salt) per kg (2.27 mg/lb) of body weight. The recommended dosing schedule for prevention of canine heartworm disease and for the treatment and control of roundworms and bookworms is as follows:

Dog Weight	Chewables Per Month	lvermectin Content	Pyrantel Content	Color Coding On Foil Backing and Carton
0 to 25 lbs	1	68 mcg	57 mg	Blue
26 to 50 lbs	1	136 mcg	114 mg	Green
51 to 100 lbs	1	272 mcg	227 mg	Brown

HEARTGARD® Plus is recommended for dogs 6 weeks of age and older. For dogs over 100 lbs use the appropriate combination of these chewables

ADMINISTRATION: Remove only one chewable at a time from the foil-backed blister card. Return the card with the remaining chewables to its box to protect the product from light. Because most dogs find HEARTGARD® Plus palatable, the product can be offered to the dog by hand. Alternatively, it may be added intact to a small amount of dog food. The chewable should be administered in a manner that encourages the dog to chew, rather than to swallow without chewing. Chewables may be broken into pieces and fed to doos that normally swallow treats whole.

Care should be taken that the dog consumes the complete dose, and treated animals should be observed for a few minutes after administration to ensure that part of the dose is not lost or rejected. If it is suspected that any of the dose has been lost, redosing is recommended.

HEARTGARD® Plus should be given at monthly intervals during the period of the year when mosquitoes (vectors), potentially carrying infective heartworm larvae, are active. The initial dose must be given within a month (30 days) after the dog's first exposure to mosquitoes. The final dose must be given within a month (30 days) after the dog's last exposure to mosquitoes.

When replacing another heartworm preventive product in a heartworm disease preventive program, the first dose of HEARTGARD® Plus must be given within a month (30 days) of the last dose of the former medication.

If the interval between doses exceeds a month (30 days), the efficacy of ivermectin can be reduced. Therefore, for optimal performance, the chewable must be given once a month on or about the same day of the month. If treatment is delayed, whether by a few days or many, immediate treatment with HEARTGARD® Plus and resumption of the recommended dosing regimen minimizes the opportunity for the development of adult heartworms.

Monthly treatment with HEARTGARD® Plus also provides effective treatment and control of roundworms (T. canis. T. leonina) and hookworms (A. caninum, U. stenocephala, A. braziliense). Clients should be advised of measures to be taken to prevent reinfection with intestinal parasites.

EFFICACY: HEARTGARD® Plus Chewables, given orally using the recommended dose and regimen, are effective against the tissue laval stage of *D. immitis* for a month (30 days) after infection and, as a result, prevent the development of the adult stage. HEARTGARD® Plus Chewables are also effective against canine roundworms (*I. canis, T. leonina*) and hookworms (A. caninum, U. stenocephala, A. braziliense).

ACCEPTABILITY: In acceptability and field trials, HEARTGARD® Plus was shown to be an acceptable oral dosage form that was consumed at first offering by the majority of dogs.

PRECAUTIONS: All dogs should be tested for existing heartworm infection before starting treatment with HEARTGARD® Plus Which is not feature and the state of the st involving a transient diarrhea, has been observed in clinical trials with ivermectin alone after treatment of some dogs that have circulating microfilariae.

Keep this and all drugs out of the reach of children.

In case of ingestion by humans, clients should be advised to contact a physician immediately. Physicians may contact a Poison Control Center for advice concerning cases of ingestion by humans.

Store between 68°F - 77°F (20° - 25°C). Excursions between 59°F - 86°F (15° - 30°C) are permitted. Protect product from light.

ADVERSE REACTIONS: In clinical field trials with HEARTGARD® Plus, vomiting or diarrhea within 24 hours of dosing was rarely observed (1.1% of administered doses). The following adverse reactions have been reported following the use of HEARTGARD®: depression/lethargy, vomiting, anorexia, diarrhea, mydriasis, ataxia, staggering, convulsions and hypersalivation.

To report suspected adverse drug events, for technical assistance, or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim Ahrmal Health USA Inc. at 1-886-571-971. For additional information about adverse drug experience reporting for animal drugs, contact IDA at 1-888-F10A-VETS, or www.tda.gov/reportanimalae.

SAFETY: HEARTGARD® Plus has been shown to be bioequivalent to HEARTGARD®, with respect to the bioavailability of ivermentin. The dose regimens of HEARTGARD® Plus and HEARTGARD® are the same with regard to ivermectin for long/kg). Studies with vermentin indicate that certain dogs of the Collie bread are more sensitive to the effects of ivermectin administered at elevated dose levels (more than 16 times the target use level) than dogs of other breeds. At elevated doses, sensitive dogs showed adverse reactions which included mydrasis, depression, atavia, tremors, droining, paresis, recumbency, excitability, stupor, coma and death. HEARTGARD® demonstrated no signs of toxicity at 10 times the recommended dose (60 mog/kg) in sensitive Collies. Results of these trials and bioequivalency studies, support the safety of HEARTGARD® products in dogs, including Collies, when used as recommended.

HEARTIGARDP Plus has shown a wide margin of safety at the recommended dose level in dogs, including pregnant or breeding bitches, stud dogs and puppies aged 6 or more weeks. In clinical trials, many commonly used flea collars, dips, shampoos, anthelmintics, antibiotics, vaccines and steroid preparations have been administered with HEARTGARDP Plus in a heartworm disease preventive program.

In one trial, where some pups had parvovirus, there was a marginal reduction in efficacy against intestinal nematodes, nossibly due to a change in intestinal transit time

HOW SUPPLIED: HEARTGARD® Plus is available in three dosage strengths (See DOSAGE section) for dogs of different weights. Each strength comes in convenient cartons of 1, 6 and 12 chewables.

Marketed by: Boehringer Ingelheim Animal Health USA Inc. Duluth, GA 30096

Approved by FDA under NADA # 140-971

HEARTGARD® and the Dog & Hand logo® are registered trademarks of

Boehringer Ingelheim Animal Health USA Inc. ©2022 Boehringer Ingelheim Animal Health USA Inc. All Rights Reserved Rev. 05-2020 1050-1999-06. US-PET-0199-2020-V3.