

Hyperbaric means:

“... relating to producing pressures higher than normal atmospheric pressure.”



### What is Hyperbaric Oxygen Therapy?

Hyperbaric Oxygen Therapy (HBOT) in veterinary medicine is the same as in human medicine and is designed to efficiently deliver oxygen to tissues in the body. HBOT is useful in a variety of clinical situations and is most often given in combination with other modes of therapy.

### How is HBOT administered?

The patient is placed into a comfortable chamber where they receive 100% oxygen at a pressure that is equivalent to 33 feet under water (2 ATA) or higher. Monitored by staff members, treatment times last about one hour, and are given one to two times daily. Most patients require no sedation and remain calm and relaxed during treatment.

*Visit our website to learn more about the healing properties and advantages of Hyperbaric Oxygen Therapy for your pet at [www.homesteadanimalhospital.net](http://www.homesteadanimalhospital.net)*



Homestead Animal Hospital  
1250 N. Flagler Avenue  
Homestead, FL 33030  
305.247.3845

[www.homesteadanimalhospital.net](http://www.homesteadanimalhospital.net)



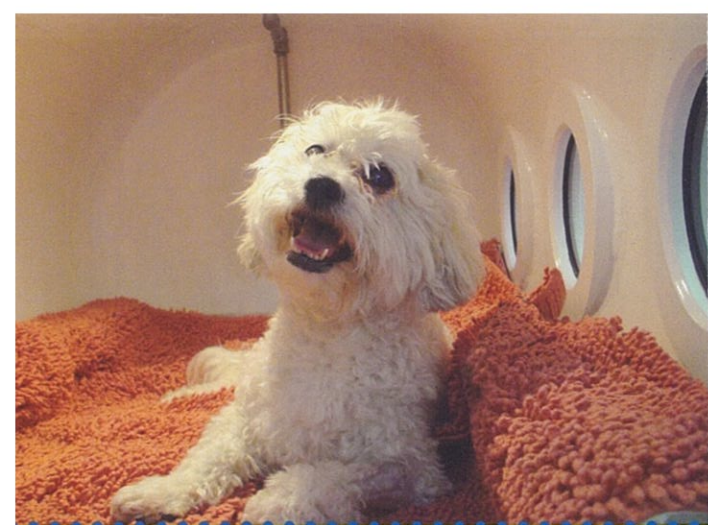
HUMAN TREATMENT FOR YOUR PET



**Hyperbaric**  
**Oxygen Therapy**  
BREATHING NEW LIFE INTO PETS



**Homestead**  
**Animal**  
**Hospital**



Medicare has recognized the validity and healing properties of HBOT in humans for 20 years. Just recently, an animal hyperbaric chamber (smaller and more compact than a human chamber) has been introduced for small animals.

We are proud to be among the first in the nation to have this revolutionary piece of medical equipment in order to provide your pet with the best in health care.

### Why is oxygen so important?

Oxygen is essential for our cells to live, function and repair themselves. Oxygen is very important for cell function, cell differentiation and formation of new blood vessels. It is needed for production of cells that create new bone and new tissues. Increasing levels of oxygen in the body enhances the body's capability of performing these functions as well as increasing response to antibiotics and other medications.

### HBOT and Stem Cells

It is proven that Hyperbaric Oxygen Therapy stimulates stem cell production up to eight times, which contributes greatly to the healing processes. Exciting work is now underway in treating difficult and challenging cases.



### What are the benefits of HBOT?

- Reduces swelling and inflammation
- Eases pressure and edema caused by head or spinal cord injuries
- Stimulates new blood vessel formation in healing tissues
- Improves control of infection
- Promotes wound healing

### How does HBOT work?

Using the hyperbaric chamber, high levels of oxygen are delivered to the patient safely and painlessly. Under hyperbaric pressure, oxygen is able to reach 3-4 times further than would normally be transferred by regular blood flow. Remarkably, oxygen can also move into tissues without significant blood flow. This means that tissues that are lacking oxygen, either from swelling, inflammation, poor blood flow or blocked blood flow (such as severe inflammation from surgery or trauma, damaged tissue from injury or infection, blood clotting, cartilage, brain tissue, abscesses) can get the benefits of oxygen that tissues require.

### Conditions treated with HBOT:

- Wounds / Burns
- Head / Spinal Cord Trauma
- Stem Cell Therapy
- Post Surgical Swelling
- Crush Injuries
- Sepsis
- Pancreatitis
- Necrosis
- Heat Stroke
- Snake / Spider Bites
- Bone Infection
- Smoke Inhalation
- Post Cardiopulmonary Resuscitation
- Sinusitis
- ... and much more