

Ozone Therapy Clinical Study

Mustang Animal Health Clinic

Mustang, Oklahoma

Bailey Martin

- 2 year old F/S Lab
- Hx: Chronic Allergies
- Tx Plan: Haemotherapy



Treatment History

- 1/30/09 2 cc R rear
- 1/31/09 2 cc L rear
- 2/02/09 2 cc R rear
- 2/03/09 2 cc L rear
- 2/04/09 2 cc R rear
- 2/05/09 2 cc L rear

Case Notes

- 1/31/09: owner reports that after first treatment Bailey went home and slept- ceased constant itching until morning.
- 2/04/09 After 5 treatments, Bailey is no longer on Temeril P, and her itching is under control.

Nebby Franzese

- 8 year old, DLH, F/S
- Hx: Anorexia, Fever, Lethargy, UTI, Mild Dehydration
UAC results showed ++RBC, ++WBC, +++ bacteria,
30 mg/dL Prot. Chem 12/CBC unremarkable.
- Dark Field Analysis of Blood: Inclusions in RBC
consistent with Cytozoan infection.
- Tx Plan: SQ ozone fluids to treat mild dehydration,
Haemotherapy

Treatment History

1/29/09 100 cc SQ Ozone Norm R Fluids

1 cc haemotherapy R Rear

1/30/09 100 cc SQ Ozone Norm R Fluids

1 cc haemotherapy L Rear

1/31/09 100 cc SQ Ozone Norm R Fluids

1 cc haemotherapy R Rear

Case Notes

- 24 hours after initial treatment, Nebby began to eat and drink. Nebby was fed A/D canned food, and her fever, anorexia and lethargy resolved. Follow up bloodwork, UAC and dark field analysis will be done in 2 weeks.
- As of 4/1/09 Nebby is completely asymptomatic. Follow up lab work showed a chemistry and CBC within normal limits, UAC normal. No sign of cytozoan infection is apparent.

Sassy Dillon

- 8 years old, Terrier Mix, F/S
- Hx: Chronic allergies, puritis, vomiting, hyperpigmentation and swelling of vulva, coat dry and stiff, caudal mammary enlargement. Dog is on Natural Balance Food .

Tx Plan: Haemotherapy 1 x per week



Sassy Dillon Initial Photo 2/2/09



Treatment History

- 02/02/09: 1.5 cc Haemotherapy R rear
- 02/09/09: 1.5 cc Haemotherapy L rear

Sassy Dillon 2/09/09



Case Notes

- 02/02/09: Per owner dog is chewing paws constantly, owner is giving 2 Benadryl a day to control symptoms, belly, vulva and paws swollen, angry and red. Dog has become withdrawn and will not spend time with the owner. Seems unhappy.
- 02/09/09: owner reports that since first treatment she has not had to give Benadryl until last night. Affected areas not longer hot, red or angry looking. Swelling of vulva has subsided. Dog is happier, and now seeks out attention from the owner.
- 4/01/09: owner reports that Sassy is doing well. Allergies are no longer a problem: sassy has been symptom free.

Sissy Adkins

- 8 year old, Boxer, F/S
- Diagnosed with Lymphosarcoma, treated with chemo, client wants integrative approach, Pt. now clinical w/ enlarged lymph nodes
- Haemotherapy, Homeopathy, nutrition, chemotherapy



Case Notes 1/23/09

- 1/23/09- has lymphoma was in remission- no longer in remission. On Pred 20 mg EOD Mexilitine for arrhythmia. On low carb diet for lymphoma and allergies. No longer itching due to food change. Good energy, feels good. Submandibular LN mild-mod enlarged. Mild arrhythmia, otherwise Pe WNL. O wants to pursuit integrative approach. Rx: Pred 20 mg 1 tab Po EOD, Cardio-Plus 1 tab TID, Gastrex 1 cap TID. To start Haemotherapy next week. Needs Homeopathic workup.

Case Notes 1/29/09

- Will start back on chemotherapy as well as alternative therapies. Submandibular LN are very enlarged and other Ln are enlarging as well. Will continue Haemotherapy at this point. Homeopathic Intake.

Case Notes 2/06/09

- Feeling good today- Lymph nodes have decreased in size. No adverse affects from chemo. Vet at OSU told o that Sissy will be on chemo for duration of lifespan. Estimated lifespan 3-4 months. Treatment goal with integrative care is good quality of life.

Treatment History

- 1/29/09: 3 cc Haemotherapy IM R rear, Homeopathic Intake
- 1/30/09: 3 cc Haemotherapy IM L rear
- 2/06/09: 3 cc Haemotherapy IM R rear, Homeopathic Phosphorous 30 C “ Succus 5 times. Give 1/3 dropper PO SID_x 7 days, then EOD for one month.

Midnight Waitts

- 10 year old dog presented for Mammary tumor removal in December of 2008.
- January of 2009 presented for follow up to surgery. On physical exam, presented with lymph node enlargement and new mammary tumors. Probable lymphosarcoma.
- Owner declines chemotherapy- wants integrative approach for maintaining quality of life.



Treatment History

- 1/31/09 150 ml SQ Ozone NaCl @ 70 concentration
- 2/3/09 Minor Haemotherapy 3 cc @ 20 concentration IM Left Rear
- 2/7/09 Minor Haemotherapy 3 cc @ 20 concentration IM Right Rear
- 2/16/09 Minor Haemotherapy 3 cc @ 20 concentration IM Left Rear
- 3/14/09 150 ml SQ Ozone NaCl @ 70 concentration
- 3/28/09 150 ml SQ Ozone NaCl, Rectal insufflation 60cc @ 40 concentration
- 4/11/09 150 ml SQ Ozone NaCl @ 70 concentration

Case Notes

- As of 4/10/09, Midnight is maintaining good quality of life. She is on a maintenance therapy of ozone every 7-14 days, as well as low dose prednisone. She has remained bright alert, and active, with a good appetite. Lymph nodes are still enlarged.

Punkin Rush

- Punkin is a 3 year old neutered male cat with a 18 month history of chronic upper respiratory infections due to the feline herpes virus.
- Punkin has been on repeated antibiotics, changes in diet and nutrition, and vitamin supplementation.
- Punkin is plagued by chronic nasal discharge, sneezing, wheezing and eye discharge.



Treatment History

- 1/31/09 Minor Haemotherapy 1 cc @ 30 concentration Right Rear IM
- 2/7/09 Minor Haemotherapy 1 cc @ 30 concentration Left Rear IM
- 2/12/09 Minor Haemotherapy 1 cc @ 30 concentration Right Rear IM
- 2/17/09 Minor Haemotherapy 1 cc @ 30 concentration Left rear IM

Case Notes

- As of 2/12/09 the owner reports that Punkin has completely resolved all signs of upper respiratory infection.
- 4/1/09 Punkin will be maintained on a schedule of monthly treatments. Punkin has not been on any antibiotic therapy since the first treatment.

Wound Management with Ozone



- Using ozone as an adjunct therapy to excellent wound management speeds healing, reduces infection, and improves patient comfort.
- This wound was lavaged daily with Ozone infused NaCl @ 70 concentration.

Diabetic Treatment with Ozone



- Diabetic ulcers have been treated with daily applications of Ozone NaCl lavage and at home applications of ozone infused olive oil 2-3 times a day.

Chronic Kidney Failure



- Many of our chronic kidney failure cats are being maintained on a maintenance schedule of SQ Ozone Fluids at 70 concentration administered at 100 cc 1-2 times a week on an outpatient basis. These owners often report that following the treatment, these patients are brighter and have a better appetite than with traditional fluid therapy.

Ozone and Dental Disease

- Ozone lavage can become a part of all routine dental prophylaxis in practice. After scaling and polishing, the entire mouth is rinsed with ozone infused fluids. Extraction sites and draining tracts can be flushed with ozone.



Chronic Allergies

- We are treating chronic allergies with minor haemotherapy. We administer 3 times a week treatments followed up by once weekly treatments.
- These photos were taken 6 days apart after 2 treatments.



Ozone as a Profit Center for Veterinary Practice

- At \$15.00 per treatment for SQ ozone fluids or wound lavage (in addition to usual fees) 15 treatments per week will yield \$11,700.00 per year.
- At \$35.00 per treatment for minor haemotherapy, 5 treatments per week will yield \$9100.00 per year.
- At \$20.00 per treatment for rectal insufflation, 5 treatments per week will yield \$5200.00 per year.
- A combination of these therapies could easily yield a practice more than \$25,000.00 per year, with the minimal cost of oxygen, a few disposables, and 5-10 minutes of technician time.