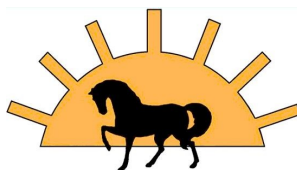


Sunrise Equine Veterinary Services, PLLC



Volume 26, Issue 1

651-583-2162

www.SunriseEquine.com

Spring 2020

SEVS News

Dr. Kirsten Frederickson

Welcome to the spring edition of 2020! New this year, we will be starting to offer a few more small animal services with Dr. Michelle who has taken an interest in this due to her background of showing and breeding her own German Shorthairs. Services offered will include routine and preventative care, select surgical services including spays and neuters, assisted reproductive services, puppy care and exams, health testing and more. Equine work is our first love therefore the availability of the small animal appointments will depend on the time of year since the horse work is all consuming in the spring-time. Please feel free to call and inquire. Check out the dates for our new small animal vaccination clinics coming up. If the demand increases we will expand these services to meet the need.

We have added cryotherapy to the ever growing list of our services. This will be effective at removing smaller lesions, masses, growths, and near sensitive areas. It can also be used in addition to surgical removal of large masses to be sure the area is well treated. Read more about it in the article on the next page.

I have started a small side project of making horse hair bracelets and key chains. It came out of an initiative to contribute to a local equine therapy program called Acres for Life. The cost will be \$35 and 100% will be donated to the program. If you have hair to be made into a keepsake it may be dropped off at the clinic. I will be posting some pictures of my work on our website and Facebook page.

A couple reminders for you. First, we have an online pharmacy which works very well for home deliveries and repeat orders if the medication is used regularly. It can be found at sunrise-equine.vetsfirstchoice.com or go to our webpage and click on the link.

Second, looking to save money on your spring vet care? Routine care days can save you money on your farm call. Coordinating appointments with your close neighbors is another way to get a discount. If 10 or more horses can be congregated at the same location, owners will save 10% on any invoice over \$100 per horse. Happy Spring! We will see you soon!

Coggins/Vaccine Clinics!

*** By Appointment Only - (Please Call to Schedule)**

Minnesota & Wisconsin Clients

Horses Only

When: Wednesday April 1st, 2020, 4:30pm-6:30pm
Saturday April 4th, 2020, 12:00pm- 2:00pm
Monday April 6th, 2020 4:30pm-6:30pm

NEW Cats/Dogs Only

When: Monday March 16th, 2020, 4:00pm-6:00pm
(Vaccines, heartworm testing, and Microchip placement)

Where: Sunrise Equine Veterinary Services
39318 Poor Farm Road, North Branch, MN 55056

All Clients Welcome - have your horses Coggins, vaccinations, and fecals done at a **reduced price!**

****Rain, Shine or Snow**** In case of rain or snow, Coggins clinic will be held in our barn.

Coggins done by Sunrise Equine. Visit our website or Facebook Page for more information and directions!

2020 Vaccination Recommendations:

<u>All Horses:</u>	<u>Transmission:</u>
Tetanus	Wounds/ Injuries
Sleeping Sickness (Eastern/ Western)	Mosquitoes
West Nile Virus	Mosquitoes
Rabies	Rabid Animals
<u>All Horses based on risk assessment:</u>	<u>Transmission:</u>
Potomac Horse Fever (if horses near water)	Snails/Mayflies
Leptospirosis	Wildlife/Water Sources
(NEW! Optional, but recommended, esp. in Appaloosas, Infection can cause uveitis, abortions, and kidney disease)	
<u>All horses that come into contact with new horses:</u>	<u>Transmission:</u>
Influenza	Oral/Nasal Secretions
Rhinopneumonitis (EHV 1/4)	Oral/Nasal Secretions, placental/repro fluids
Strangles (intranasal)	Respiratory secretions, abscess secretions
<u>Breeding Horses:</u>	
Rhino for pregnant mares (5,7,and 9 months)	

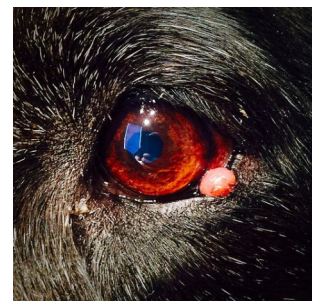
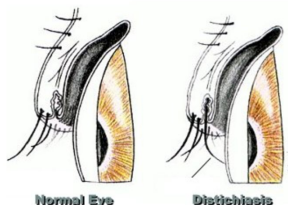
Mission Statement:

At Sunrise Equine we are committed to helping improve the lives of horses and their owners. We work collaboratively to apply our knowledge and skills, and to educate our clients. We are here for owners and horses in their time of need, and will advocate for the best interest of both. We work ethically and with integrity in everything we do.

Please "Like" us on Facebook!
Keep updated with horse news you need to know.

New Service: Cryotherapy

By: Dr. Michelle Wiberg



Sunrise Equine is happy to offer a new service called Cryotherapy, or cryosurgery. Cryotherapy is the application of extreme cold, such as liquid Nitrogen, to abnormal or diseased tissue to remove skin masses such as a small external tumors, warts, or skin tags. Cryotherapy has been used for over 200 years and is a safe and painless procedure. The application of intense cold results in death of the targeted tissue cells as well as numbs the sensory nerves reducing pain and discomfort to the area. This type of surgery is most commonly used to remove eye tumors like small squamous cell carcinomas around horses' eyes, adenomas from around dogs' eyes, small sarcoids from horses, and a variety of other skin tags and masses from dogs and cats. Depending on the location and patient cooperation, cryotherapy or cryosurgery can often be performed under just mild sedation.

Cryotherapy works by freezing tissue cells, which are composed of approximately 70% water. This freezing damage also compromises the blood flow to the diseased cells, causing the cells to die and slough off a few days after the procedure is performed. The surgery site requires minimal after care and is left with little to no scar after 2 weeks time. Some large masses may need 2 to 3 treatments to remove all diseased cells or be combined with surgical removal of the bulk of the tumor. The intense cold also kills bacteria and can be advantageous when working with infected tissues. Cryotherapy can also be used to remove aberrant or extra eyelashes (distichiasis) with a very high success rate.

If you have a horse, dog or cat with a mass, tumor, wart, skin tag, or distichia you would like removed using cryotherapy, give us a call and let us help you get them removed affordably! We are beginning to incorporate more and more small animal services over the course of the year so if there are other services your dogs or cats need, let us know! Our goals are to provide affordable quality services for all of our companion animals.



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HORSE ROUNDUP
@PETERSON'S / MARCH 28, 2020



Strategic Deworming

We used to want horses to be parasite free. In order to prevent resistant worms, the new goal is to maintain a low level of parasites.

- ◆ Perform 2 fecal exams yearly (fall and spring).
- ◆ If low shedder, deworm 1-2 times per year
- ◆ If high shedder, consult your veterinarian
- ◆ If fecal count is **high**, run another fecal 2-3 weeks after deworming to check effectiveness of dewormer.
- ◆ All horses should be dewormed with ivermectin/praziquantel after the first hard frost to kill bots, tapeworms and other intestinal parasites.
- ◆ Foals: We recommend deworming every 1-2 months with a rotation schedule until 1 year of age. After this fecal exams can be started to determine future protocol.
- ◆ Do not use Quest Plus in horses < 3 years of age.

Month	< 200 EPG = Low Shedder	200-500 EPG= Moderate Shedder	>500 EPG = High Shedder
April	Optional Pyrantel or Fenbendazole	Moxidectin	Moxidectin
July		Pyrantel or Fenbendazole	Pyrantel
August			Fenbendazole
October (*should be after first hard frost)	Ivermectin or Moxidectin PLUS Praziquantel	Ivermectin PLUS Praziquantel	Ivermectin PLUS Praziquantel

We will be happy to discuss your horse's specific needs.

Vitamin E Deficiency

By: Dr. Jill Deets

Vitamin E is an antioxidant that helps with the normal function of the neuromuscular system. It is an essential part of our horse's diet, and has the potential to cause serious disorders of the neuromuscular system if the horse becomes deficient. Fresh green pasture is the main source of vitamin E, so those horses housed on dry lots or sparse grass are more at risk to become deficient. However, actual development of clinical signs of neuromuscular disease depends on several factors, which include age, how long the deficiency has been occurring, genetic factors, and other nutritional deficiencies/excesses occurring at the same time. The following are four disorders associated with vitamin E deficiency:

Vitamin E Deficient Myopathy - This disorder does not have association with damage to motor nerves, which control large muscle movements. Thus clinical signs typically appear more mild. Clinical signs include loss of muscle mass, weakness with possible toe dragging or poor performance, and muscle fasciculations. For treatment, horses respond well to vitamin E supplementation and have very good prognosis for full recovery.

Equine Motor Neuron Disease (EMND) - EMND is caused by a degeneration of motor nerves, so clinical signs are typically much more pronounced and can carry a poor prognosis with severe cases. It is associated with low blood concentration of vitamin E and deficiency in the diet that has lasted for at least 18 months. Vitamin E deficient myopathy may or may not be a precursor to EMND. Typical clinical signs include muscle wasting, muscle fasciculations, shifting weight of hindlimbs, low head carriage, and prolonged recumbency in severe cases. Treatment consists of high doses of vitamin E supplementation and supportive care. Improvement has been seen in about 40% of cases within 6 weeks, and some may appear normal after several months. However, many of these cases will stabilize, but have permanent neuromuscular damage. Some cases may have clinical signs that continuously progress.

Nutritional Myodegeneration (White Muscle Disease) - This disease affects skeletal and cardiac muscle of foals. It is mainly caused by a selenium deficiency that occurs before the foal is born, and it can be associated with vitamin E deficiency. Foals affected generally have muscle weakness, difficulty with standing up with trembling limbs, stiffness, firm painful muscles, and prolonged recumbency. If cardiac muscle is affected, signs of depression, fast heart rate, difficulty breathing, foamy nasal discharge, and sudden death can all occur. If only skeletal muscle is affected, foals can improve greatly within several days with injectable selenium treatment, supportive care, and oral vitamin E supplementation. If cardiac muscle is affected the prognosis is grave and foals usually do not survive.

Neuroaxonal Dystrophy/Equine Degenerative Myeloencephalopathy (NAD/EDM) - This disorder is caused by damage to nerves in the spinal cord and brain. Horses within their first year of life are typically the ones affected. Genetics most likely play a large role in causing this disorder, and most cases will have low blood levels of vitamin E. Clinical signs appreciated with this disorder include ataxia (lack of control of body movements) that is generally worse in the hind end, base wide stance when standing, and deficits in proprioception (the sense that tells the body where it is in space). Those horses that survive to 2-3 years of age tend to have steady neurologic deficits for life. Vitamin E supplementation can be used for treatment, but it has been found that this may not improve neurologic clinical signs. There is evidence, however, that dams that are given vitamin E supplementation during pregnancy may reduce the occurrence of NAD/EDM in their foal.

If you suspect a Vitamin E deficiency in one of your horses, a blood test can be ran to confirm the deficiency prior to supplementation.

Resources:

newenglandequine.com

cvm.msu.edu : Neuromuscular Diseases Related to Vitamin E

equusmagazine.com

Dates to Remember:

Coggins/Vaccine Clinics/~~New~~—By Appointment

Minnesota/Wisconsin:

Horses:

Wednesday April 1st, 2020, 4:30pm-6:30pm

Saturday April 4th, 2020, 12:00pm-2:00pm

Monday April 6th, 2020 4:30pm-6:30pm

Small Animal:

Monday March 16th, 2020, 4:00pm-6:00pm

Spring Routine Care Days!

To better serve our clients, we are offering **HALF PRICE FARM CALLS*** if you are able to schedule your horses' routine spring care on the days we have designated a doctor will be in your area!

Routine and preventative care includes wellness exams, dental exams and power dental floats, vaccinations, Coggins, sheath cleanings, recheck exams, fecal egg counts, de-worming, and castrations.

How to schedule: 1.) Find your city or nearby city, and determine which Zone you fall in. 2.) Pick one of the dates we will be in your Zone and give us a call to schedule your appointment. We ask that you are flexible with your appointment time (no specific time is scheduled as appointments are routed according to location), and **call at least a week in advance**. Priority will be given to those that call first. 3.) We will call you the day before the appointment and give you an estimated 2 hour window during which the doctor will arrive. We will call again the day of the appointment to notify you that the doctor is on their way. **Please have your horses caught and ready for their veterinary visit.** We reserve the right to cancel a scheduled routine care day based on low participation (less than 2 appointments in an area). Preventative care days are intended for clients with only a few horses who are looking for ways to save a little money without their horses having to leave the farm. If you have 10 or more horses, please call and schedule a barn day where you will receive a different discount and have an option to request a doctor. If the dates listed do not work with your schedule or if you have other work that you would like done on your horse, as always, you may call and schedule an appointment at your convenience. If you are able to coordinate your visit with your neighbor(s), we are still willing to offer discounted farm calls.

Give our office a call to schedule your appointment. Call early for best availability!
651-583-2162

**Must pay in full at time of appointment*

Zone	Cities	Dates (Monday-Friday)
1	North Branch, Harris, Stacy, Sunrise	March 24 th , 30 th , April 6 th , 22 nd , May 1 st , 14 th , & 19 th
2	Rush City, Rook Creek, Rush Point	March 31 st , April 13 th , 24 th , May 6 th , & 21 st
3	Grantsburg, Siren, Webster, Danbury	April 1 st , 13 th , 23 rd , May 1 st , 11 th , & 20 th
4	Frederic, Cushing, Luck, Milltown	April 2 nd , 14 th , 20 th , May 8 th , & 13 th
5	Shafer, Taylors Falls, St Croix Falls, Centuria, Balsam Lake, Dresser, Osceola, Amery	April 3 rd , 15 th , 27 th , May 5 th , & 22 nd
6	Wyoming, Chisago City, Lindstrom, Center City, Scandia, Forest Lake, Columbus, Hugo	April 6 th , 16 th , 24 th , May 12 th
7	Isanti (S. of CR 5), East Bethel, Bethel, St. Francis, Ham Lake, Linwood	April 7 th , 17 th , 27 th , May 7 th , & 15 th
8	Cambridge, Isanti (N. of CR 5), Stanchfield, Braham, Dalbo	April 8 th , 17 th , 28 th , May 4 th , & 11 th
9	Pine City, Grasson, Mora, Brook Park	April 9 th , 20 th , 29 th , May 8 th , & 18 th
10	Hinckley, Sandstone, Askov, Finlayson	April 10 th , 21 st , 30 th , May 4 th , & 26 th