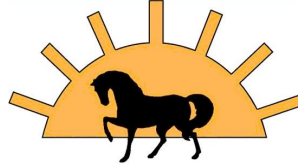


Sunrise Equine Veterinary Services, PLLC



Volume 29, Issue 1

651-583-2162

www.SunriseEquine.com

Spring 2023

SEVS Notes From The Office By: Desirae Knight

Greetings!

Spring is just around the corner! If you listen closely you can hear the bird's songs getting louder every morning and it's music to our ears! We're hoping that the heavy, early season snowfall means that we "paid up front". We have been keeping a close eye on the weather and see a couple 40° days forecasted here in February. The sun is shining and the snow banks are shrinking.

All of these good things mean that we are that much closer to getting out and enjoying time with our horses. Please look through all of the appointment options and decide which best suits your schedule. We love working with you to get as many patients cared for as possible. Some options we have to help you are discounted farm calls with the Routine Care Days, discounted coggins testing and vaccinations with no office fee during our Coggins Clinics, or hauling to our clinic for your service (the haul in/office fee is significantly less than a farm call). We have more appointment availability at the clinic which has stocks, heat, and is out of the elements. Please call as soon as you can to book your appointments because they fill up quickly.

NEW THIS YEAR, we are offering a northern Coggins Clinic! Double F Arena has graciously offered to host at their facility. With that you would also have an opportunity to take advantage of open riding in their arena after your veterinary visit! The cost is \$20 horse/rider combo and \$5/additional horse payable directly to Double F. Open riding will go until 5pm.

Make sure to read the fantastic articles inside this edition...

—Strangles has been becoming more and more of an issue in this area over the last two years. There is some really good information on what it is, looks like, and treatment.

— **NEW**—Also inside, a new treatment with regenerative medicine called Pro-Stride APS and Restigen PRP. Check out this amazing process and see if it may be beneficial to your horse.

We look forward to getting out to see you and your horse(s) this spring and summer and getting them ready to hit the trails and/or arenas!

Special Services Offered:

- ◆ Professional Equine Chiropractic Care
- ◆ Upper Airway Endoscopy AND Gastric Endoscopy
- ◆ Advanced Ultrasound
- ◆ Portable Digital Radiography
- ◆ Shockwave Therapy
- ◆ Eye Pressure Checks
- ◆ Acupuncture

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

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.

Coggins/Vaccine Clinics!

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

When: Monday April 3rd, 2023: 4:00pm-6:00pm
Thursday April 13th, 2023: 4:00pm- 6:00pm
Saturday April 15th, 2023: 11:00am-1:00pm

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

***NEW* Hinckley Coggins Clinic**

When: Sunday March 26th, 2023, 11:00am-1:00pm

Where: Double F Arena (Indoors)
35736 Hinckley Road Hinckley, MN 55037

All Clients Welcome - Coggins, vaccinations, and fecals done at a reduced price! (Horses only please!)

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

Visit our website or Facebook Page for more information and directions!

2023 Vaccination Recommendations

All Horses:

Tetanus
Sleeping Sickness (Eastern/ Western)
West Nile Virus
Rabies

Transmission:

Wounds/ Injuries
Mosquitoes
Mosquitoes
Rabid Animals

All Horses based on risk assessment:

Potomac Horse Fever
Leptospirosis

Transmission:

Mayflies/Aquatic
Insects
Wildlife/Water
Sources

All horses that come into contact with new horses:

Influenza
Rhinopneumonitis (EHV 1/4)

Transmission:

Oral/Nasal Secretions
Oral/Nasal Secretions,
placental/repro fluids
Oral/Nasal Secretions,
abscess secretions

Breeding Horses:

Rhino for pregnant mares (5,7,and 9 months)
Booster all yearly vaccines 4-6 weeks prior to foaling

Strangles

By: Dr. Jill Deets

Strangles can be a scary term for a horse owner to hear, but understanding the infection and how to prevent it can help ease those fears.

Strangles is caused by a bacteria called *Streptococcus equi subspecies equi*. It spreads via contact through infected discharge from the nasal cavity or from an opened draining abscess. The bacteria invades the tonsils and nearby lymph nodes. A fever is usually the first clinical sign (temperature over 101.5F). After 3 to 5 days abscess formation occurs within the mandibular and/or retropharyngeal lymph nodes (inside the jaw line and at the throat latch), but can also form on other areas of the head. Thick white nasal discharge typically occurs next, with enlargement of lymph nodes leading to rupture of the abscesses after several days. Severity of clinical signs can depend on immune system status, and younger horses typically have a more severe presentation.

It is best to confirm a diagnosis by PCR testing or culturing a swab sample of the abscess or nasal discharge. Sometimes it is necessary to perform a nasopharyngeal or guttural pouch wash to collect a better sample for testing on horses that are recovering from an infection and no longer have discharge, or carriers that have no clinical signs. Carriers can harbor the bacteria and have prolonged periods of shedding, and could be the source of an infection in a herd without nasal discharge and abscess formation.

Treatment usually includes allowing the abscesses to open and drain. Many may need anti-inflammatories (such as Banamine) to help reduce fever and inflammation of the abscess sites and to help prevent airway obstruction or issues with swallowing. Using antibiotics is controversial but they are sometimes used at the very early stages of infection before enlargement of lymph nodes. However, it is possible the horse could be more susceptible to re-infection as it prevents a full immune response from happening. Antibiotics are also sometimes used in cases with severe lymph node enlargement that is obstructing the airway as it can help reduce the size of the abscessed lymph node. Penicillin has consistently been shown to be the most effective antibiotic, though other types of antibiotics could be used in special circumstances.

Up to 20% of Strangles cases can develop complications after initial infection. One of these is bastard strangles, which is a metastatic infection where abscesses form on internal organs. It has been thought that antimicrobial use can increase the chance of metastatic spread but there currently is no scientific evidence of this connection. This form is very difficult to diagnose and treat, and typically leads to a poor prognosis. Another complication is purpura hemorrhagica, which is an immune mediated vasculitis that causes systemic edema and swelling. This leads to serous discharge oozing from the skin and causes skin necrosis and skin sloughing. This could also lead to skeletal, muscle and internal organ damage if severe. If presentation is not severe and caught early, this condition is treatable with steroids, antibiotics, and anti-inflammatories. (cont.)



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**-NORTH BRANCH-
MINNESOTA**

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Strangles (Cont.)

The key to any infection is prevention. It is important to isolate ANY new horse to a property, even if they were vetted and cleared to be healthy with no fever before trailering. This is particularly important if not much information is known about the place of origin or its history and if it is coming from another state or traveling a long distance. The isolation period should be a minimum of 3 weeks. During the isolation period, or if treating a known Strangles case, everything should be separated from the rest of the herd and biohazard precautions should be taken. The bacteria can spread via people touching objects, via clothing, and tack/brushes, as well as through shared feeding areas and water sources. It is also important for your veterinarian and farrier to be aware of any potential Strangles infection or new horse on the property so they can also take proper precautions to prevent spread. Even cats and dogs walking through a contaminated region can bring it to unaffected horses. It is best to feed and treat these horses last, and to change/wash clothes and wash hands after handling them. An intranasal modified live vaccine is available. This will help prevent the possibility of infection. Despite vaccination, it is possible for a horse to become infected, but the presentation is typically less severe and vaccination will help with reducing the chance of complications and disease spread. It prevents horses from becoming silent carriers.

Sources: *Sweeney, Corrine, et al. ACVIM Consensus Statement - Streptococcus equi infections in horses: Guidelines for treatment, control, and prevention of Strangles.

*Orsini, James and Thomas Divers. Equine Emergencies: Treatment and Procedures.

Regenerative Medicine is Here! By; Dr. Kirsten Frederickson

We are excited to announce that we now offer two forms of regenerative medicine treatments. Regenerative medicine is defined as the process of replacing or regenerating cells, tissues or organs to restore normal function. We will not be growing new organs at this time but we can greatly improve the healing of tendons, wounds and encourage healing while reducing inflammation and pain in injured and arthritic joints.

Steroids are the traditional medication to use in joint injections. They are potent anti-inflammatories and can help relieve pain but they will interfere with the healing process and can be contraindicated in horses that have metabolic disorders. While there will still be a time and place for their use, we are excited to venture into biologics which offer many benefits. Biologics mean that the substance is sourced from a living organism and in this case that living organism is your own horse!

Let me introduce you to Pro-Stride APS and Restigen PRP. The end product of Restigen PRP is platelet rich plasma. Platelets are the clotting cells in the blood that go to a wound and help stop the bleeding. But that is not all they do! They are also responsible for healing the injury. With this PRP system, blood is taken from the horse, processed using a separating device and a centrifuge to concentrate the platelets and some white blood cells. This process amplifies the body's own healing power by making a 9X concentration of growth factors and endogenous anti-inflammatories which are then injected into the injured tendon/ligament or applied to wounds and even corneal eye ulcers! The end result is that the tissues heal more completely and with far less scar tissue meaning that they can return to more normal function and are less prone to re-injury.

Pro-Stride APS is an autologous protein solution which takes the Restigen PRP a step further. After the initial step of obtaining the Restigen PRP, the product is processed one more time with special beads that activate even more healing factors from the blood cells. This is then spun down a second time to further concentrate it. It can then be used for joint injections. The research shows that horses have improvement in their lameness scores for at least a year after just one injection. The most amazing part is that it is even better than steroids because while still being an effective anti-inflammatory it will actually help heal any damage to the joint. If there is cartilage or ligaments inside the joint that need repair this will go to work healing them while taking away pain and damaging inflammation.

The best part about these products is that there are no side effects since it came right from the same horse that you are treating. An even more amazing fact is that this can be done on any farm that has an acceptable area for joint injections to be performed! The whole process of collecting and centrifuging the blood takes less than 30 minutes. This can be used in combination with other modalities such as ShockWave and rehabilitation protocols. A whole new era of healing is now available to your horse right at home!

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, dewormings, 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).

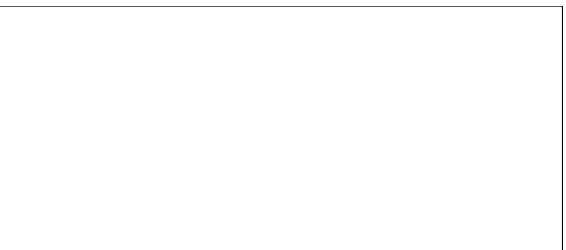
Routine Care Days are intended for clients with only a few horses who are looking for ways to save a little money without their horses having to leave the farm. If you have 10 or more horses that can be seen at one location, please call and schedule a **Barn Day** where you will receive a different discount and have the 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

Zone	Cities	Dates (Monday-Friday)
1	North Branch, Harris, Stacy, Sunrise	March 14 th · April 4 th · 14 th · 25 th · May 8 th · June 1 st · 16 th
2	Rush City, Rock Creek, Rush Point	March 24 th · April 13 th · May 9 th · 30 th
3	Grantsburg, Siren, Webster, Danbury	March 20 th · April 7 th · May 2 nd · June 5 th · 22 nd
4	Frederic, Cushing, Luck, Milltown	March 10 th · 27 th · April 20 th · May 12 th · 25 th · June 8 th · 30 th
5	Shafter, Taylors Falls, St. Croix Falls, Centuria, Balsam Lake, Dresser, Osceola, Amey	March 13 th · April 6 th · 28 th · May 11 th · 22 nd · June 23 rd
6	Wyoming, Chisago City, Lindstrom, Center City, Scandia, Forest Lake, Columbus, Hugo	March 28 th · April 21 st · May 15 th · June 2 nd · 13 th · 26 th
7	Isanti (S. of CR 5), East Bethel, Bethel, St. Francis, Ham Lake, Linwood	March 17 th · April 10 th · May 1 st · 23 rd · June 19 th
8	Cambridge, Isanti (N. of CR 5), Stanchfield, Braham, Dalbo	April 3 rd · 27 th · May 19 th · June 12 th · 29 th
9	Pine City, Grasston, Mora, Brook Park	March 31 st · April 24 th · May 16 th · June 9 th · 15 th
10	Hinckley, Sandstone, Askov, Finlayson	March 21 st · April 17 th · May 5 th · 26 th

Dates to Remember:

- ◆ *Spring Routine Care Days: March-June See schedule on the back!*
- ◆ *Coggins Clinic Dates: Monday April 3rd, Thursday April 13th, & Saturday April 15th*
- ◆ *Northern Coggins Clinic: Sunday March 26th*



Address Correction Requested

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

