



DR. PAUL SOSTAR DR. ANDREW MACLEOD DR. KELLY HAELZLE
DR. KELLY FISHER DR. MEGHAN WINSOR DR. STEVEN MENS

Linwood Veterinary Services

1010 Industrial Cres. St. Clements, ON N0B 2M0 519-698-2610 519-699-0404
Hwy 89 Veterinary Services, 7434 Hwy 89 Mount Forest, ON N0G 2L0 519-323-9002
1-800-663-2941 Fax 519-699-2081 linwoodvet@linwoodvet.ca

We will provide industry-leading, reliable, knowledgeable service, in a friendly, courteous and timely manner, to benefit our clients and the communities we serve.

St Clements Clinic Hours: Mon-Fri 7am to 5pm Open Saturday 7am-12pm

Hwy 89 Clinic Hours: Mon-Sat 7am to 1 pm

CLINICS ARE CLOSED SUNDAY and NO DELIVERY SERVICE SATURDAYS AND HOLIDAYS

Orders for Delivery: Please, call BEFORE 9:30 am, for same day local delivery Monday to Friday

24 Hour Emergency Vet Service - call 519-698-2610 519-323-9002 519-699-0404 1-800-663-2941

OCTOBER 2023 NEWSLETTER

October Holiday

Monday October 9th there will be no delivery service on Thanksgiving. Vet will be available for emergencies. Clinics will be open only in the morning for pick ups and early residue tests.

Boehringer Bovikal[®] - \$40 per case for producers cheque rebate

*Purchase Bovikal[®] through your Canadian veterinary clinic between **September 1, 2023 - October 31, 2023**. The deadline for proof of purchase submissions is November 30, 2023. Up to 10 redemptions per farm.

October is Registered Veterinary Technician (RVT) month! We would like to honor our RVT, Brandi. Most of you have had the pleasure of working with Brandi through small ruminant ultrasound, calf dehorning and vaccinating, etc. She provides so much service and support to our business, vet team, office team and to our clients. If you see Brandi on farm, be sure to wish her a happy RVT month!

Thank you, Brandi, for all your hard work!

Its officially fall... you know what that means???

Changing leaves & Warm & cozy fireplaces & Pumpkin Spice Lattes

Unfortunately, these fall conditions may bring some not-so-comforting delights.....



Calf Pneumonia

Bovine Respiratory disease complex is multi-factorial pneumonia commonly affecting calves. Viruses included are Bovine herpesvirus (IBR), Parainfluenza (PI-3), bovine respiratory syncytial virus (BRSV), Bovine viral diarrhoea virus (BVD), and bovine coronavirus. Bacterial agents involved include *Mannheimia Haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma bovis*.

Factors contributing to the development of pneumonia:

- Failure of passive transfer (linked to colostrum quality & quantity)
- Air quality
- Feeding equipment hygiene
- Maternal antibody waning
- Mixed age groups
- Viral pathogens
- Adverse weather

Identifying calves with pneumonia

- 1) Visual cues in the home pen environment
 - a. Poor appetite, lack of rumen fill, depression (droopy ears, lethargic), increased respiratory rate (puffing), recumbency (down), nasal discharge, coughing.
- 2) Hands on confirmation:
 - a. Rectal temperature. Any temp greater than 39.4C (103F)
 - b. Lung sounds using a stethoscope- crackles, wheezes, induced cough.
 - c. Thoracic Ultrasound.

Thoracic Ultrasound (TUS) is a tool used by veterinarians to help identify calves with clinical or subclinical pneumonia and/or upper respiratory infections. It can also be used as an aid in the assessment of calf management changes and success of previous treatments.

Calves are scored on a 5-point scoring system based on the presence of mild to severe lung lesions (Figure 2) seen on ultrasound. Using this scoring system with the overall clinical picture of the calf will allow us to make appropriate treatment decisions.

As mentioned above, TUS can be used to diagnose calves with subclinical pneumonia. These are calves with lung lesions on ultrasound however have not presented with clinical signs yet. This is valuable, as it is well documented that once clinical signs are seen there is already some degree of lung damage that may be permanent.

Incorporating thoracic ultrasound on your farm as a part of routine visits can help identify subclinical calves, monitor treatment outcomes and aid in culling decisions.

Veterinarians at Linwood Vet have been trained on how to perform thoracic ultrasound. Talk with us if you're interested in thoracic ultrasound for your calves!

Resources:

- <https://calfcare.ca/management/health-and-welfare/calfhood-diseases/respiratory-problems/>
- Thoracic Ultrasound in Calves. AABP Recent Grads Seminar. Kendra Wells and Marc Caldwell.
- <https://www.merckvetmanual.com/respiratory-system/bovine-respiratory-disease-complex/overview-of-bovine-respiratory-disease-complex>

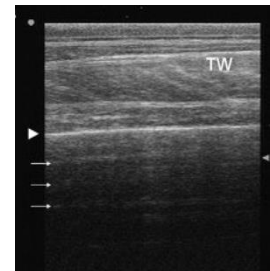


Figure 1: Normal pleural surface

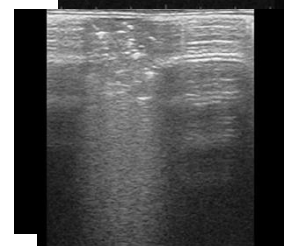


Figure Lobular Consolidation