Looking Beyond Treatment Rates: What are Calves Really Telling Us?

By Kendra Wells, DVM
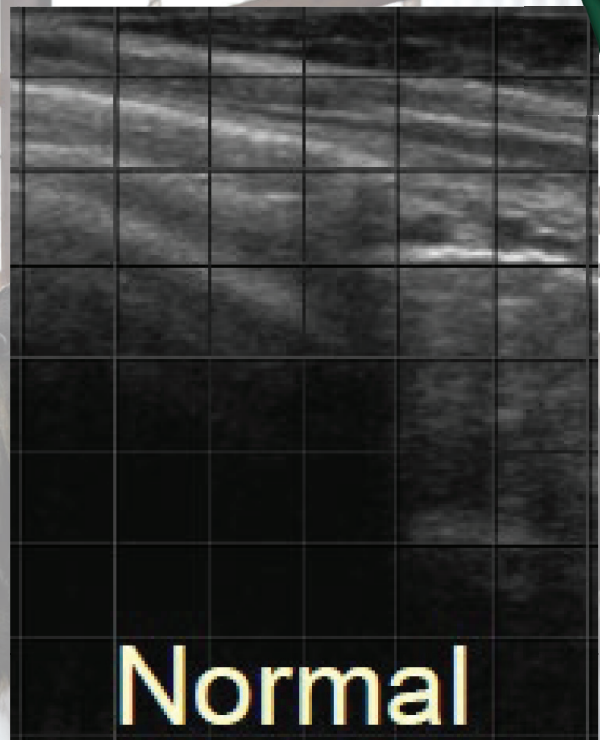
VALLEY VETERINARY CLINIC

Thank You

Scoring System

- 0 = Normal
- 1 = Comet tailing (variation of normal)
- 2 = Lobular lesion
- 3 = Lobar lesion
- 4 = 2 lobar lesions
- 5 = 3 or more lobar lesions
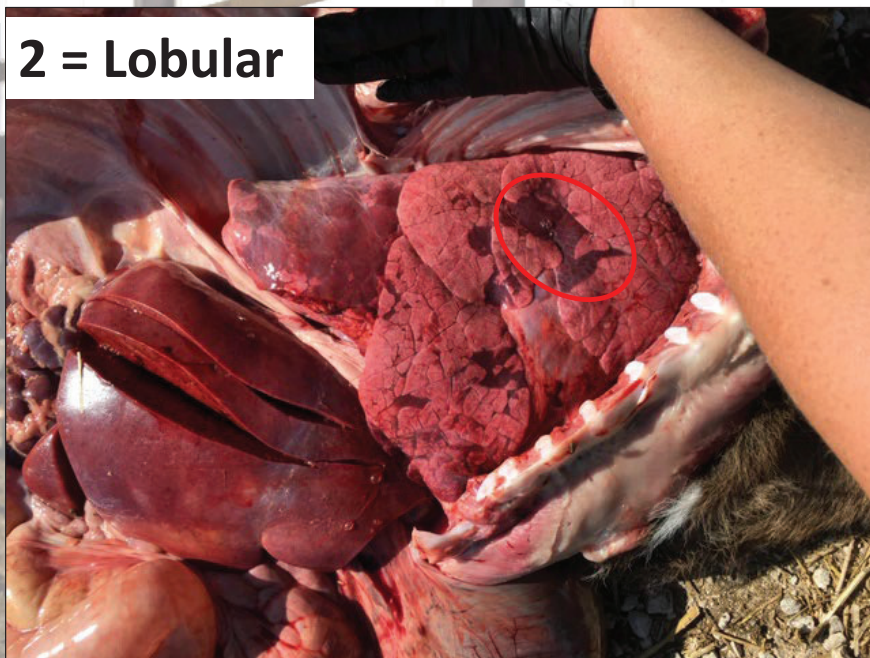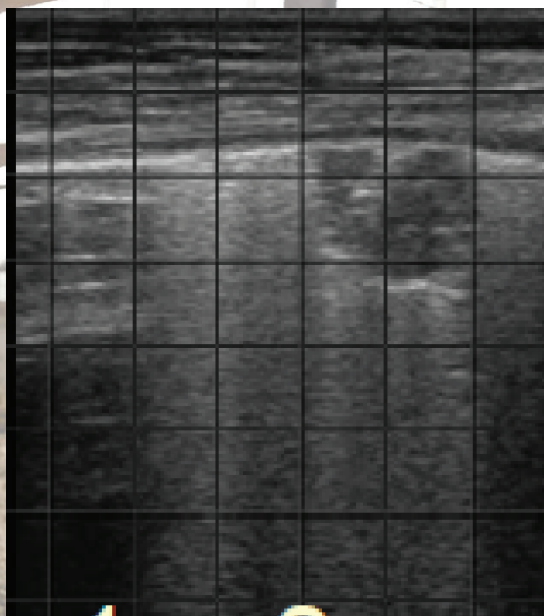
What Do I See on Ultrasound?

Normal

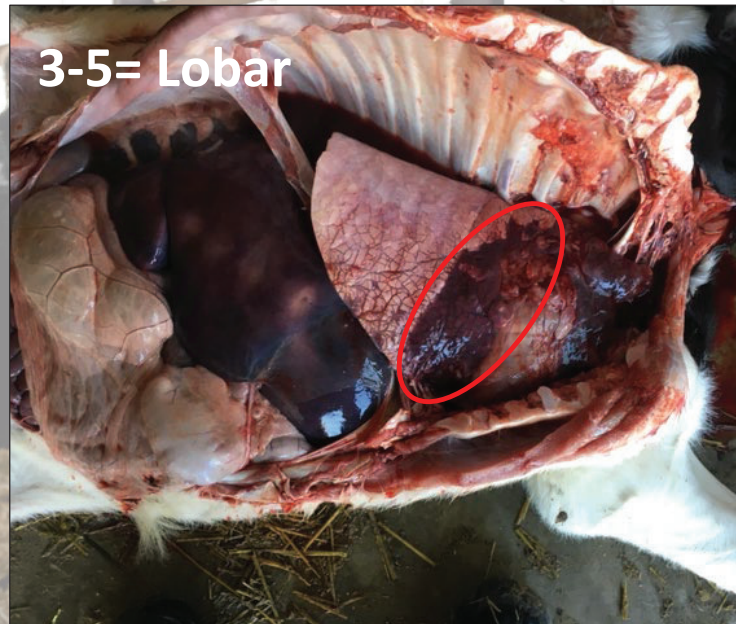# What Do I See Inside the Calf?
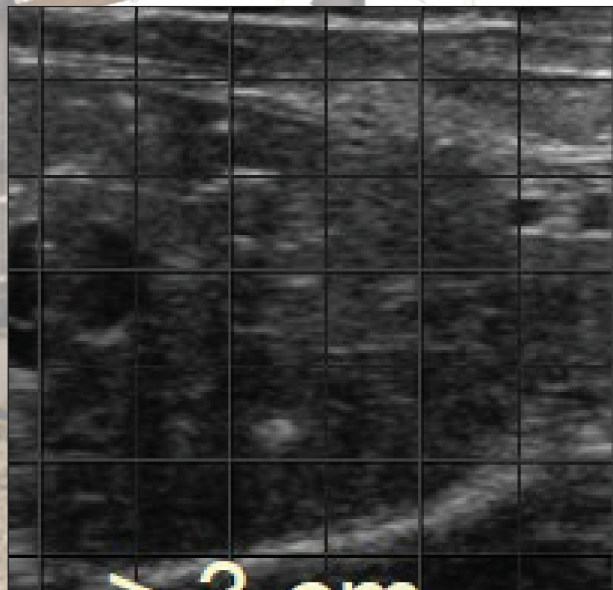
2 = Lobular

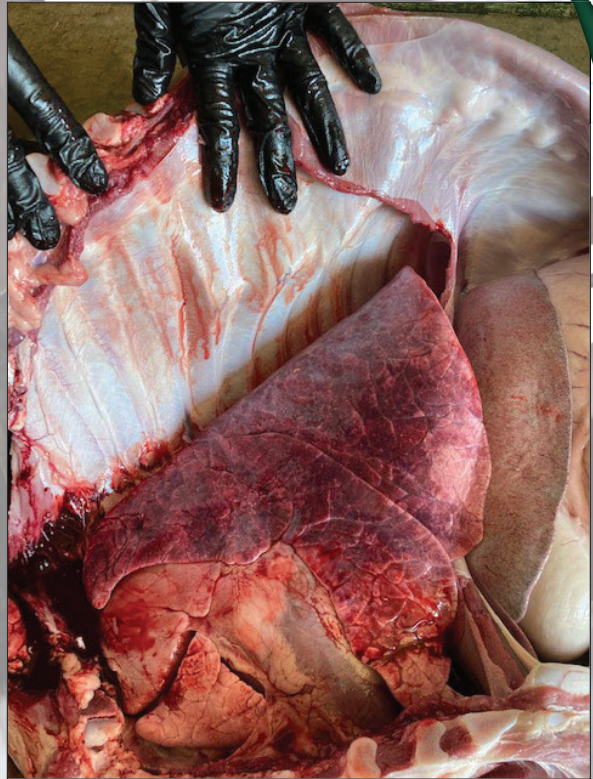# What do I See on Ultrasound?

2 = Lobular

What Do I See Inside the Calf?

3-5= Lobar

Lobar Pneumonia on Ultrasound
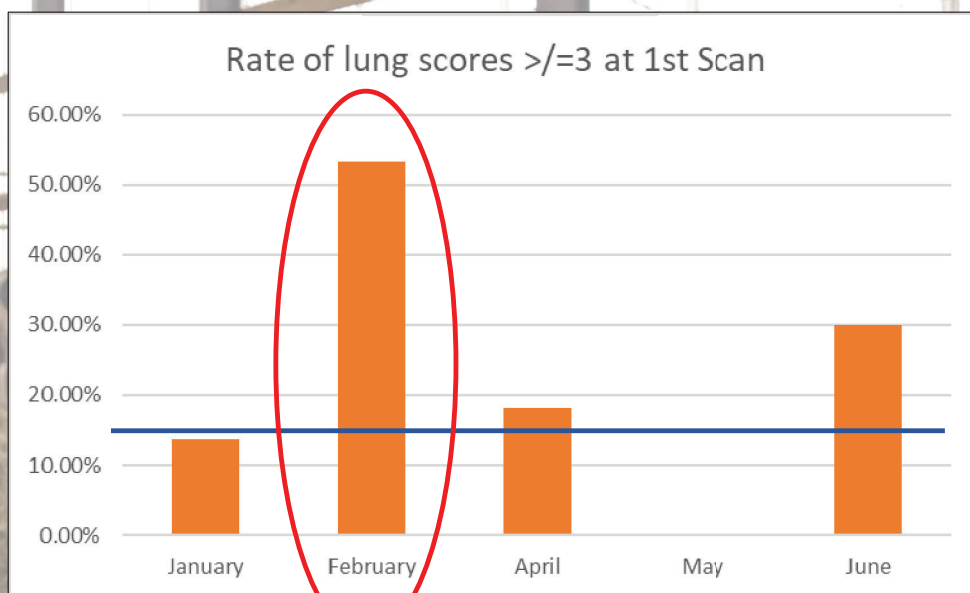
What do I See Inside the Calf?

WeanClean™

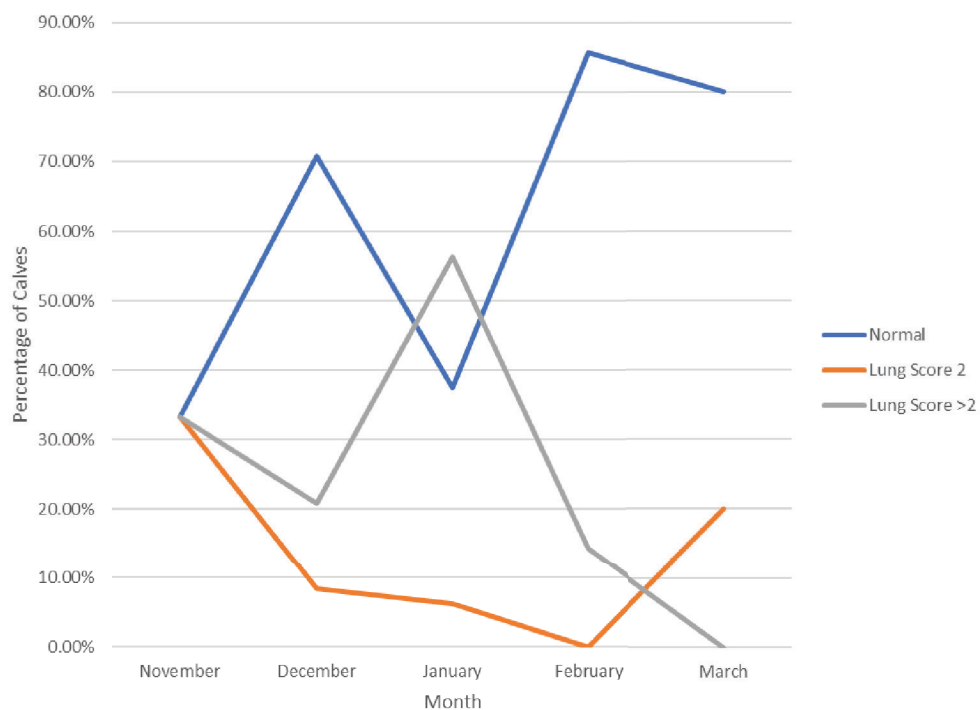- **Weaning – how many have pneumonia at the start of weaning? Goal: < 15%**

- **Start of treatment – how many score > 3 or < 2 at their first treatment? Goal: < 15%**

- **7-10 d after treatment – how many score > 2 after their first treatment? Goal: < 15%**

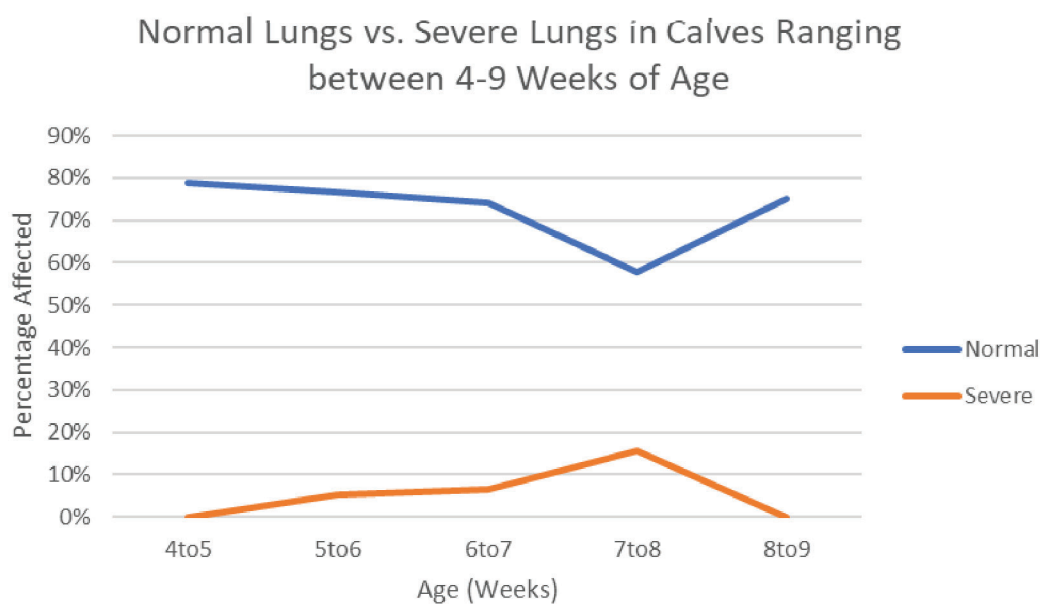- **12×7 scans – starting at 7d of age, scan 12 at 7d intervals to find high-risk age group**

Herd A

Rate of lung scores >/=3 at 1st Scan

Herd A

Are Calves Cleaning Up?

Herd B – 7x12

Normal Lungs vs. Severe Lungs in Calves Ranging between 4-9 Weeks of Age

Herd B

Breakdown of Lung Lesions from 4-9 Weeks of Age

Herd B

Lung Pattern Over the Last 2 Months

Herd C

April 7x12 Scans

Herd C

Lungs in Calves at 15-21 Days of Age
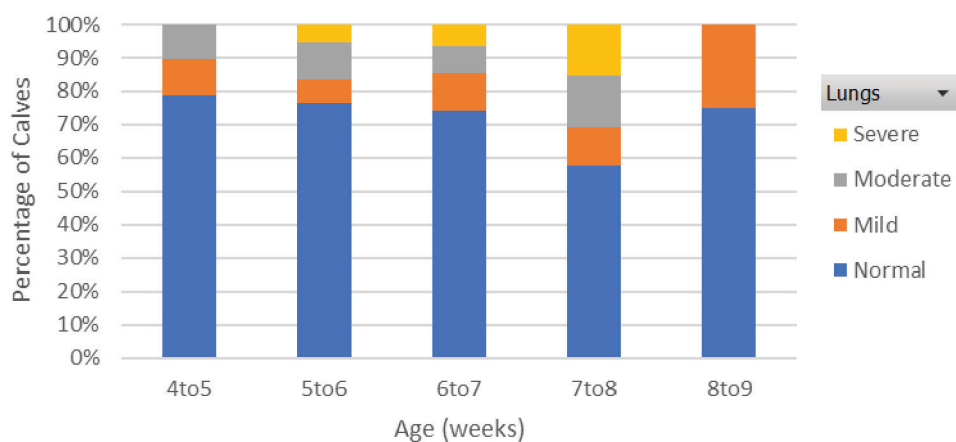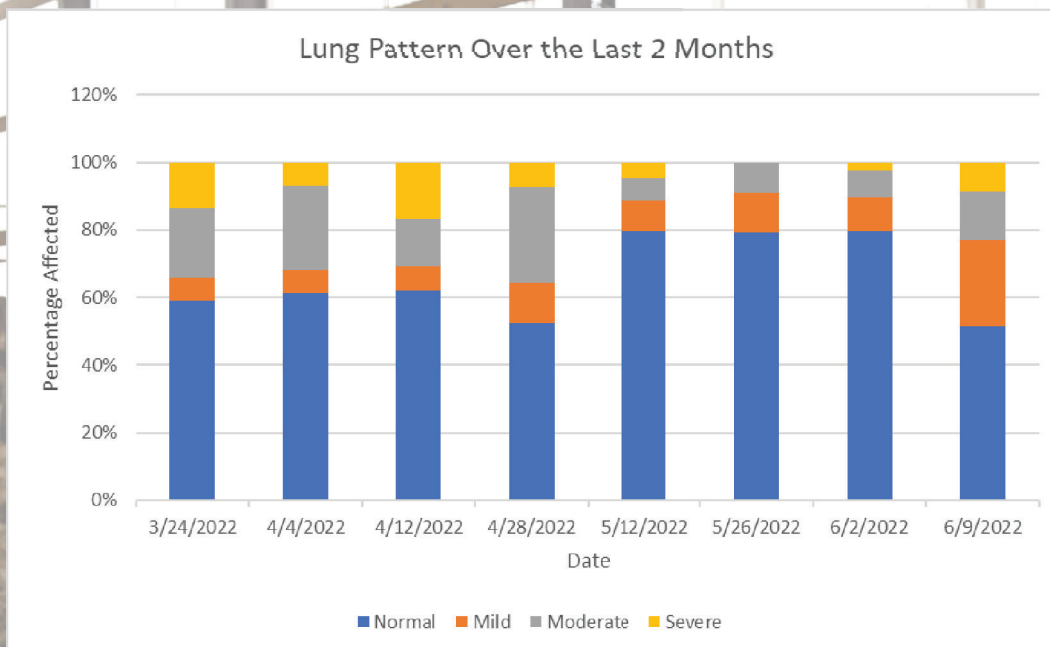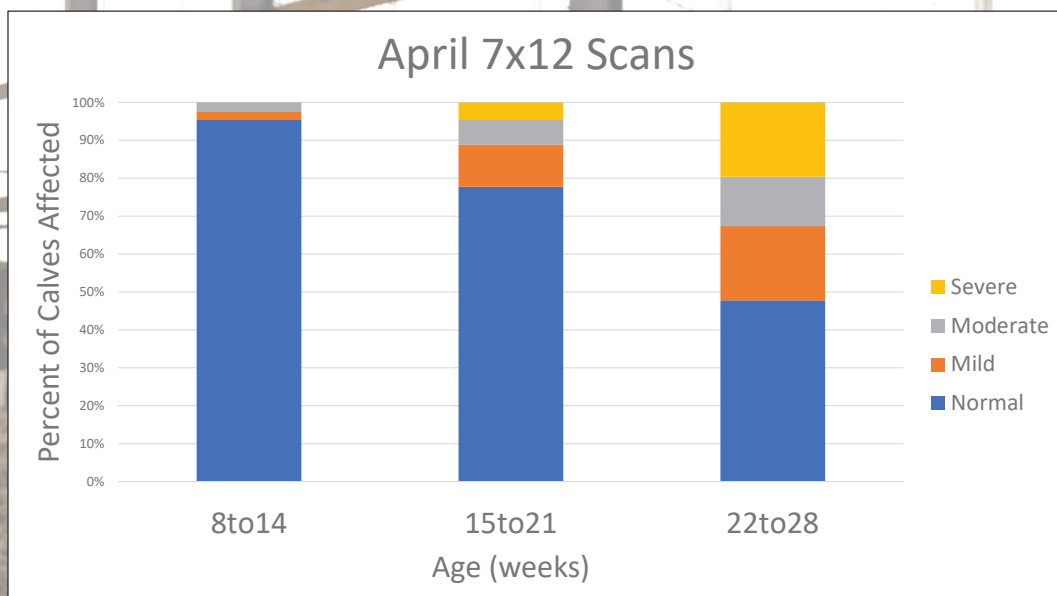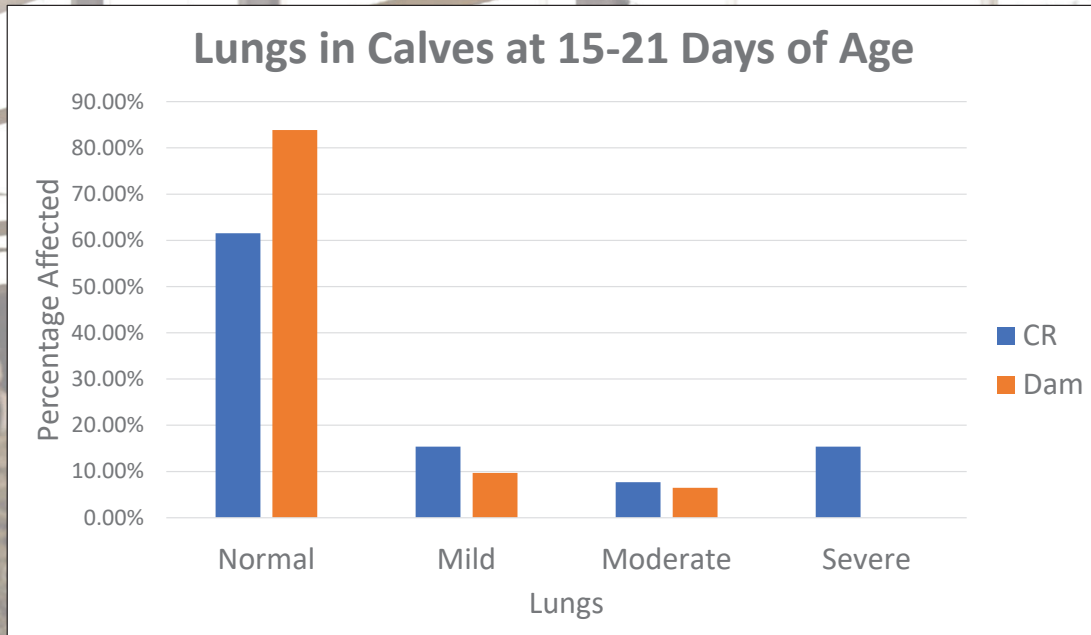
Herd D -Treatment Monitoring

	Pen		
Improvement	3	4	Grand Total
Improved	20%	0%	11%
Same	30%	100%	61%
Slight Improvement	10%	0%	6%
Worsened	40%	0%	22%
Grand Total	100%	100%	100%

Resources

- Terri Ollivett, 2016 UW-SVM Diagnostic Ultrasonography for Respiratory Disease in Dairy Calves
- Terri Ollivett, WeanClean™ program, https://www.vetmed.wisc.edu/fapm/svm-dairy-apps/calfscan-calf-lung-ultrasound-scorer/

Questions?

VALLEY VETERINARY CLINIC