

1. BRISKET DISEASE, or congestive heart failure, IS NOT UNIQUE TO HIGH ALTITUDE

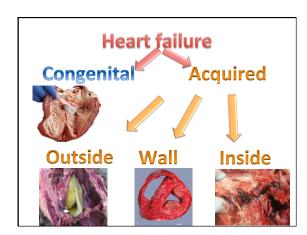
2. Congestive heart failure is becoming INCREASINGLY PROBLEMATIC

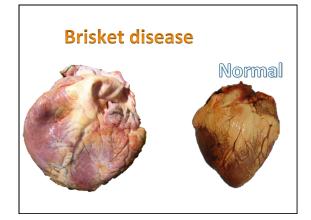
3. TAKE A CLOSER LOOK – it may not be a chronic pneumonia!

OVERVIEW

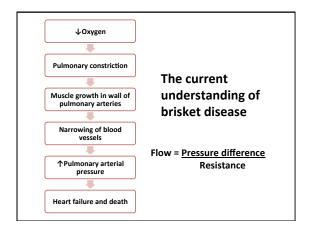


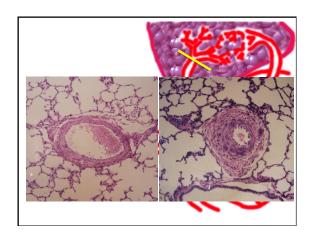
- 1. Background: the various types of heart failure
- 2. What is congestive heart failure?
- 3. What are we doing to manage it?
- 4. How big of a problem is it? And what are the risk factors?
- 5. How do pulmonary arterial pressures change with age?
- 6. Summary

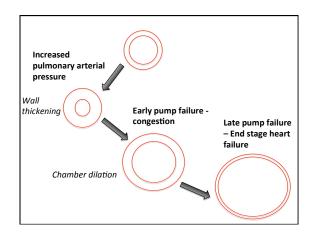




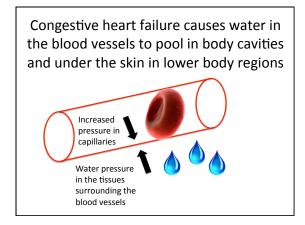












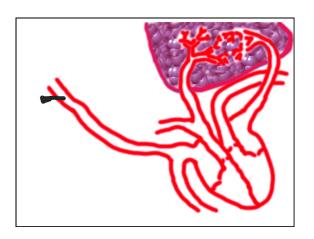


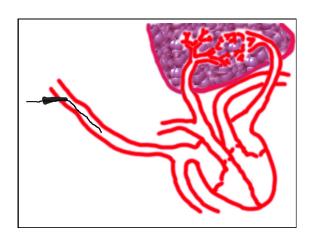


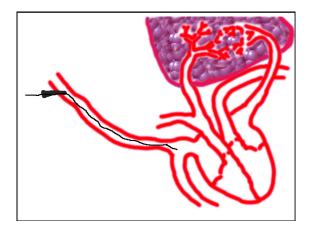


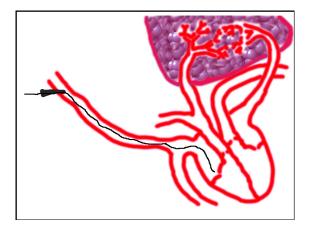


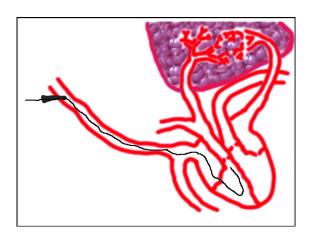


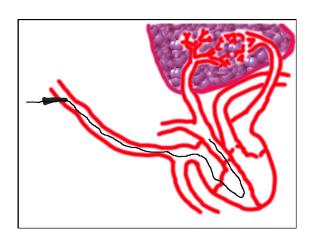


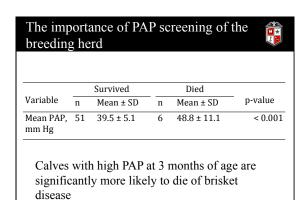


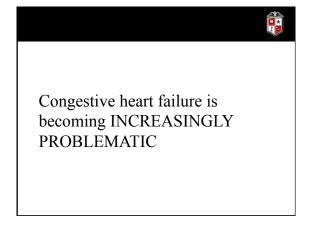


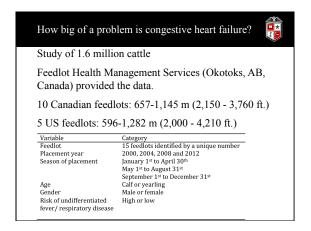




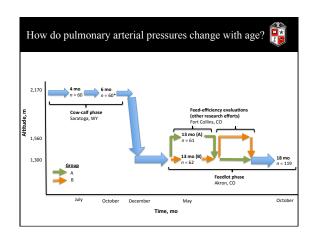


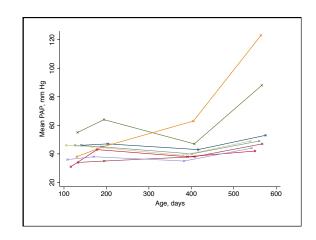


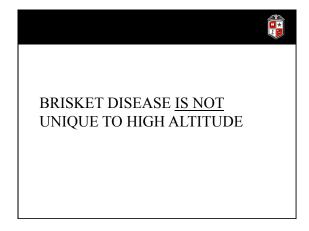


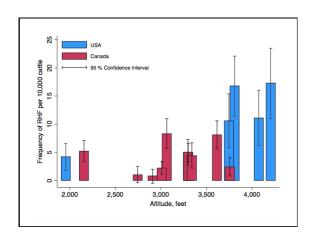


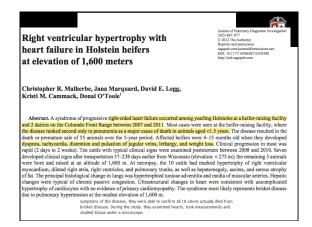
		Attack risk per 1,000 cattle		
Year	Disease	,	95 % CI	p-value
2000	CHF	0.27	0.18, 0.37	ref.
	DD	1.75	1.32, 2.19	
2004	CHF	0.37	0.26, 0.47	0.18
	DD	1.77 1.40, 2.15		
2008	CHF	0.61	0.45, 0.78	< 0.001
	DD	2.32	1.82, 2.81	
2012	CHF	0.52	0.37, 0.67	0.003
	DD	2.82	2.13, 3.50	













may not be chronic pneumonia!

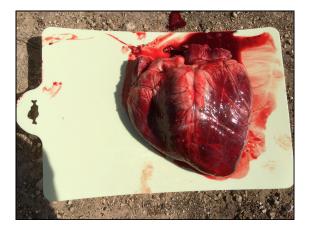
An investigation into beef calf mortality on five high-altitude ranches that selected sires with low pulmonary arterial pressures for over 20 years

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Abstract. Producer reports from nuches over 2,438 meters in southwest Colorado suggest that the mortality of preweamed beef calves may be substantially higher than the national average despite the selection of low pulmonary pressure herd sires for over 20 years. Diagnostic investigations of risk death loss problem have been limited due to the extensive mountainous returnin over which these calves are grazed with their dams. The objective of the current study was to determine the causes of salf mortality on 3 high-altitude nuches in Colorado that have been selectively breeding sires with low pulmonary pressure 654 muntigle for over 20 years. Calves were followed from branding (6 weeks of age) in the spring to wearing in the fall (7 months of age). Clinical signs were recorded, and blood samples were taken from sick calves. Postmorten examinations were performed, and select tissue samples were submitted for aerobic culture and/or histopathology. On the principal study ranch, 9.0% (59/612) of the calves that were branded in the spring either died or were presumed dead by wearing in the fall; notal, 28 encrepties were performed. I calves (50%) had lesions consistent with pulmonary hypertension, and right-sided neart failure, and 14 calves (50%) died from bronchopneumonia. Remodeling of the pulmonary arterial system, indicative of pulmonary hypertension, was evident in the former and to varying degrees in the latter. There is a need to better characterize the additional risk factors that complicate pulmonary arterial pressure testing of herd sires as a strategy to control pulmonary phypertension.





Summary



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- 2. Congestive heart failure is becoming INCREASINGLY PROBLEMATIC
- 3. TAKE A CLOSER LOOK it may not be chronic pneumonia!



