

Necropsy Examination Report

Prepared by: Dr. Scott Beutelschies
USDA APHIS Veterinary Services
Sacramento, CA

Report Date: 9/8/2015

Location/Event: Wheeler Pass HMA/ Spring Mountains Range

Exam Date: 9/3/2015

Animal ID: 12 year, Sorrel, Mare

History: A total of 8 Mares and 3 Stallions all BCS of 2 to 1 were found on exam to be showing complications from being extremely emaciated or showing severe ventral edema as a result of re-feeding syndrome or had poor dentition on exam and were given a poor prognosis for recovery.

BLM CORs elected to euthanize all 11 horses via gunshot to the brain and asked if I would perform a field necropsies on a 12 year old Sorrel Mare.

Examination: BLM CORs witnessed the field necropsy exam

External exam:

BCS-1-little or no body fat evident-severely emaciated

Teeth-12 year old Mare

Color-Sorrel

Udder-lactating-milk evident

Ventral edema evident along abdominal region, legs and chest~2 inches in thickness on ventral midline

Skeletal exam:

BCS-1

Little to no fat-fat that was observed was gelatinous and liquefied and dark yellow in color between fascia and muscle layers

Abdominal cavity exam:

Ascites- greater than 1 gallon of straw colored abdominal fluid

Bilaterally no peri-renal fat (no fat observed around kidneys)

Bladder-filled with white/yellowish, thick, frothy urine-suspect proteinuria

Right horn or uterus 4 month fetus

Kidneys-bilaterally affected by gross observations of hemorrhage between cortex and medullary-suspect renal insufficiency

Liver-scars on surface-liver size contracted and smaller than normal

Low fat observed and the fat that was existent was noticeably liquefied in mesentery

Thoracic cavity exam:
Heart fat was gelatinous and liquefied.

Diagnosis/Differentials: Mare was severely emaciated, dehydrated and suffering from the consequences of energy deficit. Mare was also beginning to demonstrate physical signs consistent with re-feeding syndrome.

Conclusion(s)/Recommendation(s):

Mare was suffering from severe emaciation and dehydration and was additionally challenged with nursing a foal as well as nourishing a developing 4 month fetus. A poor prognosis for recovery was recommended to COR due to mares BCS of 1, 12 years of age and severe ventral edema indicating complications due to re-feeding syndrome. The observed ascites and edema most likely were due to hypoproteinemia and renal insufficiency. Recommendations are to remove horses from range before they reach BCS of 3 due to poor prognosis for recovery of horses that have been chronically emaciated.

Wheeler Pass HMA_Spring Mountains Range _ 12year_Sorrel_ Mare Vet Report_
Beutelschies_09_08_15