History

- 6 week old mixed beef calf
- Swollen chin, muzzle, and bleeding gums for one month; treated for scours
- Calf was alive on the morning of 10/26/2009 but was found dead a short time later

http://www.mbfarviewfarm.com/images/Black-Angus/Angus-Calf-3.jpg
Histo photo showing

- Hyperemia & edema in papillae of lamina propria
- Few mononuclear WBCs

Presented at SEVPAC 2010 - Permission granted for use on SEVPAC website only
Histo photo showing:

- Thickened epithelium
- Hyperplasia, ballooning degeneration
- Clear cytoplasm of affected cells
- Shrunken nuclei
Morphologic diagnoses

- Lip, tongue: cheilitis and glossitis, moderate, proliferative and necrotizing, chronic, regionally extensive, with bacteria and intracytoplasmic inclusion bodies.

- Rumen: rumenitis, moderate, proliferative and necrotizing, chronic, regionally extensive, with bacteria and intracytoplasmic inclusion bodies.
Papular Stomatitis

- Caused by Bovine Papular Stomatitis Virus
  - BPSV
- Occurs in cattle worldwide
- More common in calves than older animals

http://coloradodisasterhelp.colostate.edu/prefair/images/Dz/BovinePapularSomatitis.jpg
Papular Stomatitis

- Papular lesions may occur throughout alimentary tract
  - Immunosuppression
  - Concurrent disease
- Relatively host-specific

[Image: http://coloradodisasterhelp.colostate.edu/prefair/images/Dz/HumanPoxVirus1a.jpg]
Differential Diagnoses

- Bovine Viral Diarrhea
- Alimentary IBR
- Other causes of ulcers & erosions in the upper alimentary tract
  - Pseudocowpox
  - Orf (sheep / goats)
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Questions?

http://www.flickr.com/photos/edster951/4007069219/
References