## Detection of M. ovipneumoniae in Pneumonic Mountain Goat Kids

- CHRIS A. ANDERSON, Department of Natural Resource Ecology and Management, 339 Science 2, Iowa State University, Ames, Iowa 50011, USA
- **JULIE A. BLANCHONG**, Department of Natural Resource Ecology and Management, 339 Science 2, Iowa State University, Ames, Iowa 50011, USA
- **DANIELLE D. NELSON**, Washington Animal Disease Diagnostic Laboratory, Bustad Hall Rm-155N, Pullman, WA, 99164, USA; danielled@vetmed.wsu.edu
- **PAUL J. PLUMMER**, Department of Veterinary and Diagnostic Production Animal Medicine, College of Veterinary Medicine, Iowa State University, Ames, Iowa 50011, USA
- **CALEB MCADOO**, Nevada Department of Wildlife, 6980 Sierra Center Parkway, Reno, Nevada 89511, USA
- MIKE COX, Nevada Department of Wildlife, 6980 Sierra Center Parkway, Reno, Nevada 89511, USA
- **THOMAS E. BESSER**, Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, Washington 99164, USA
- **JUAN MUÑOZ-GUTIÉRREZ**, Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, Washington 99164, USA
- **PEREGRINE L. WOLFF**, Nevada Department of Wildlife, 6980 Sierra Center Parkway, Reno, Nevada 89511, USA

**ABSTRACT** Pneumonia epizootics resulting in all-age die-offs followed by sporadic reoccurring summer lamb mortalities due to polymicrobial pneumonia have been well documented in bighorn sheep (*Ovis canadensis*). Following a pneumonia epizootic in bighorn sheep and sympatric mountain goats (*Oreamnos americanus*) in Nevada, we documented respiratory disease in kids during late July and early August during aerial surveys in 2011-2016. We noted coughing, head shaking, neck extension, nasal discharge, incoordination, and lethargy among kids we observed. We diagnosed 7 of these mountain goat kids with gross and histologic lesions consistent with *Mycoplasma* sp. infection leading to polymicrobial bronchopneumonia. *M. ovipneumoniae* was detected in the lungs with real-time PCR from all 7 kids. This is the first diagnosis of bronchopneumonia due to *M. ovipneumoniae* in mountain goat kids. Because the overall pattern of disease appears similar to that seen with bighorn sheep, *M. ovipneumoniae* infection may affect kid recruitment in mountain goats.

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KEYWORDS mountain goat, Mycoplasma ovipneumoniae, Nevada, Oreamnos americanus