

CONTENTS

JOURNAL OF WILDLIFE DISEASES

April 2021

Vol. 57, No. 2

CLINICAL PATHOLOGY

- Plasma biochemistry profiles of wild western tiger snakes (*Notechis scutatus occidentalis*) before and after six months of captivity
DAMIAN C. LETTOOF, FABIEN AUBRET, FRANCIS SPILSBURY, PHILIP W. BATEMAN, JAMES HABERFIELD, JORDAN VOS, AND MONIQUE MARTHE GAGNON 253

DISEASE ECOLOGY

- Sentinel coyote pathogen survey to assess declining black-footed ferret (*Mustela nigripes*) population in South Dakota, USA
KRYSTEN SCHULER, MICHAEL CLAYMORE, HANNAH SCHNITZLER, EDWARD DUBOVI, TONIE ROCKE, MICHAEL J. PERRY, DWIGHT BOWMAN, AND RACHEL C. ABBOTT 264
- Poecivirus is present in individuals with beak deformities in seven species of North American birds
MAXINE ZYLBERBERG, CAROLINE VAN HEMERT, COLLEEN M. HANDEL, RACHEL M. LIU, AND JOSEPH L. DERISI 273
- Louping-ill virus serosurvey of Willow Ptarmigan (*Lagopus lagopus lagopus*) in Norway
BJØRNAR YTREHUS, MARA ROCCHI, HEGE BRANDSEGG, DYLAN TURNBULL, ANDREA MILLER, HANS CHRISTIAN PEDERSEN, JOHN ATLE KÅLÅS, AND ERLAND B. NILSEN 282
- Influence of pathogens, fish-related characteristics, and environmental factors on the development of skin ulcerations in wild common dab (*Limanda limanda*) from the North Sea
MAAIKE VERCAUTEREN, GERT VAN HOEY, ANNEMIE DECOSTERE, FILIP BOYEN, BART AMPE, LISA DEVRIESE, AND KOEN CHIERS 292
- Relatedness and genetic structure of big brown bat (*Eptesicus fuscus*) maternity colonies in an urban-wildland interface with periodic rabies virus outbreaks
FAITH M. WALKER, COLIN J. SOBEK, CAMILLE E. PLATTS-MCPHARLIN, AND CAROL L. CHAMBERS 303

EPIDEMIOLOGY

- Detection of Deer adenovirus A DNA in dam and offspring pairs of Rocky Mountain mule deer (*Odocoileus hemionus*) and Rocky Mountain elk (*Cervus canadensis nelsoni*)
KAYLA M. KAUFFMAN, TODD CORNISH, KEVIN MONTEITH, BRANT SCHUMAKER, TAYLER LASHARR, KATEY HUGGLER, AND MYRNA MILLER 313
- Seroprevalence of antibodies against *Mycobacterium avium* subsp. *paratuberculosis* and its relationship to age and sex of Texas white-tailed deer (*Odocoileus virginianus*) in Coahuila, Mexico
E. ALEJANDRO LOZANO-CAVAZOS, J. VICENTE VELÁZQUEZ-MORALES, MARCO A. SANTILLÁN-FLORES, LUIS A. TARANGO-ARÁMBULA, GENARO OLMOS-OROPEZA, J. FELIPE MARTÍNEZ-MONTOYA, AND CÉSAR CORTEZ-ROMERO 321
- Occurrence of footrot in free-ranging Alpine ibex (*Capra ibex*) colonies in Switzerland
GAIA MOORE-JONES, SALOME DÜRR, CHRISTIAN WILLISCH, AND MARIE-PIERRE RYSER-DEGIORGIS 327
- Opportunistic surveillance of captive and free-ranging bighorn sheep (*Ovis canadensis*) in Colorado, USA, for transmissible spongiform encephalopathies
KAREN A. FOX, STEFANIE M. MULLER, TERRY R. SPRAKER, MARY E. WOOD, AND MICHAEL W. MILLER 338

PARASITOLOGY

- Endoparasites of Formosan black bears (*Ursus thibetanus formosanus*) during acorn season in Yushan National Park, Taiwan
MEI-HSIU HWANG, TING-WEI CHIN, AND PIN-HUAN YU 345

PHYSIOLOGY

- The pulmonary and metabolic effects of suspension by the feet compared with lateral recumbency in immobilized black rhinoceroses (*Diceros bicornis*) captured by aerial darting
ROBIN W. RADCLIFFE, MARK JAGO, PETER VDB MORKEL, ESTELLE MORKEL, PIERRE DU PREEZ, PIET BEYTELL, BIRGIT KOTTING, BAKKER MANUEL, JAN HENDRIK DU PREEZ, MICHELE A. MILLER, JULIA FELIPPE, STEPHEN A. PARRY, AND ROBIN D. GLEED 357

VIROLOGY

- Detection of herpesviruses in passerine birds captured during autumn migration in Slovenia
ZORAN ŽLABRAVEC, TOMI TRILAR, BRIGITA SLAVEC, UROŠ KRAPEŽ, AL VREZEC, OLGA ZORMAN ROJS, AND JOŽKO RAČNIK 368

SHORT COMMUNICATIONS

- Local surveillance and control of raccoon rabies virus in striped skunks (*Mephitis mephitis*) in southwestern New Brunswick, Canada
MICHAEL R. ALLAN, JAMES P. GOLTZ, PAUL TURMEL, AND TONY COLE 376
- Ultraviolet fluorescence as a field-applicable screening tool for lesions consistent with ophidiomycosis in Lake Erie watersnakes (*Nerodia sipedon insularum*)
KATHRYN VIVIRITO, ELLEN HAYNES, LAURA ADAMOVICZ, ALLISON WRIGHT, KENNYMAC DURANTE, KRISTIN STANFORD, EMMA SCOTT, AND MATTHEW ALLENDER 380
- Determining antibody retention in hemolyzed, bacterially contaminated, and Nobuto filter paper-derived serum utilizing two *Brucella abortus* fluorescence polarization assays
JESSICA E. JENNINGS-GAINES, WILLIAM H. EDWARDS, AND TIMOTHY J. ROBINSON 386

Serologic survey of selected pathogens in free-ranging Bengal tigers (<i>Panthera tigris tigris</i>) in Nepal DEBORAH MCCAULEY, VIRGINIA STOUT, KAMAL P. GAIRHE, AMIR SADAULA, EDWARD DUBOVI, SURAJ SUBEDI, AND GRETCHEN E. KAUFMAN	393
Investigation of algal toxins in a multispecies seabird die-off in the Bering and Chukchi seas CAROLINE VAN HEMERT, ROBERT J. DUSEK, MATTHEW M. SMITH, ROBERT KALER, GAY SHEFFIELD, LAUREN M. DIVINE, KATHY J. KULETZ, SUSAN KNOWLES, JULIA S. LANKTON, D. RANSOM HARDISON, R. WAYNE LITAKER, TIMOTHY JONES, HILLARY K. BURGESS, AND JULIA K. PARRISH	399
Seroprevalence of <i>Toxoplasma gondii</i> in American black bears (<i>Ursus americanus</i>) in Nevada, USA, using an enzyme-linked immunosorbent assay BRENDAN DORION, WENDY BLACK, PEREGRINE WOLFF, LANCE MURRAY, KYLIE NOMI, AND ROB BILDFELL	408
Cardiac anomalies in two White-tailed Eagles (<i>Haliaeetus albicilla</i>) in Sweden ALEXANDRA LEIJON, KARIN MARIA OLOFSSON, AND JONAS MALMSTEN	413
Adenovirus hemorrhagic disease in moose (<i>Alces americanus gigas</i>) in Alaska, USA KATHY BUREK-HUNTINGTON, MYRNA M. MILLER, AND KIMBERLEE BECKMEN	418
Detection of myxoma virus DNA in ticks from lagomorph species in Spain suggests their possible role as competent vector in viral transmission SERGIO GARCÍA-PEREIRA, DAVID GONZÁLEZ-BARRIO, JOSÉ LUIS FERNÁNDEZ-GARCÍA, ANA GÓMEZ-MARTÍN, MIGUEL ÁNGEL HABELA, IGNACIO GARCÍA-BOCANEGRA, AND RAFAEL CALERO-BERNAL	423
High prevalence and intensity of <i>Trichinella</i> infection in Yukon American black (<i>Ursus americanus</i>) and grizzly (<i>Ursus arctos</i>) bears N. JANE HARMS, MEGHAN LARIVEE, BRAD SCANDRETT, AND DON RUSSELL	429
Fipronil pellets reduce flea abundance on black-tailed prairie dogs: Potential tool for plague management and black-footed ferret conservation DAVID A. EADS, TRAVIS M. LIVIERI, PHILLIP DOBESH, EDDIE CHILDERS, LAUREN E. NOBLE, MICHELE C. VASQUEZ, AND DEAN E. BIGGINS	434
LETTERS	
Evidence of transmission of goatpox between domestic goats and wild Himalayan goral (<i>Naemorhedus goral</i>) in Arunachal Pradesh, India DURLAV P. BORA, JAHAN AHMED, SORANG TADAP, ARMANDA O. PARIAT, PUJA MECH, SHYAMA P. PANDA, THUPTEN TASHI, PARIKSHIT KAKATI, SABNAM INGTIPI, ABDUL QAYUM, LAKSHYA J. DUTTA, AND NAGENDRA N. BARMAN	439
Rabies virus exposure in wild lowland tapirs (<i>Tapirus terrestris</i>) from three Brazilian biomes RENATA CAROLINA FERNANDES-SANTOS, ELAINE RANIERO FERNANDES, FERNANDA GUEDES LUIZ, LUCIANA BOTELHO CHAVES, SANDRIANA DOS RAMOS SILVA, AND EMÍLIA PATRÍCIA MEDICI	443
Previously unrecognized exposure of desert bighorn sheep (<i>Ovis canadensis nelsoni</i>) to <i>Mycoplasma ovipneumoniae</i> in the California Mojave Desert NICHOLAS SHIRKEY, ANNETTE ROUG, THOMAS BESSER, VERNON C. BLEICH, NEAL DARBY, DANIELLA DEKELAITA, NATHAN L. GALLOWAY, BEN GONZALES, DEBRA HUGHSON, LORA KONDE, RYAN MONELLO, PAIGE R. PRENTICE, REGINA VU, JOHN WEHAUSEN, BRANDON MUNK, JENNY POWERS, AND CLINTON W. EPPS	447
Eastern equine encephalitis virus in visibly affected Ruffed Grouse (<i>Bonasa umbellus</i>) in Michigan, Minnesota, and Wisconsin, USA MEREDITH ANDERSON, JULIE MELOTTI, EMILY DINH, SCOTT D. FITZGERALD, THOMAS M. COOLEY, STEVEN BOLIN, ELIZABETH J. ELSMO, NANCY BUSINGA, ARNO WÜNSCHMANN, AND MICHELLE CARSTENSEN	453
Analysis of archival specimens confirms white-nose syndrome in little brown bats (<i>Myotis lucifugus</i>) from New York, USA, in spring 2007 SASKIA KELLER, JEFFREY M. LORCH, BRENDA M. BERLOWSKI-ZIER, ANNE BALLMAN, AND DAVID S. BLEHERT	457
First detection of chronic wasting disease in moose (<i>Alces alces</i>) in Sweden ERIK O. ÅGREN, KAISA SÖRÉN, DOLORES GAVIER-WIDÉN, SYLVIE L. BENESTAD, LINH TRAN, KAROLINA WALL, GUSTAV AVERHED, NEELE DOOSE, JØRN VÅGE, AND MARIA NÖREMARK	461
Exposure of wild Sumatran tiger (<i>Panthera tigris sumatrae</i>) to canine distemper virus BONGOT HUASO MULIA, SILMI MARIYA, JESSICA BODGENER, DIAH ISKANDRIATI, SETYANINGSIH RAMBU LIWA, TONY SUMAMPAU, JANSEN MANANSANG, HUDA S. DARUSMAN, STEVEN A. OSOFSKY, NAVAPON TECHAKRIENGKRAI, AND MARTIN GILBERT	464
Atypical knemidokoptosis in two Dunnocks (<i>Prunella modularis</i>) in southern England KATHARINA SEILERN-MOY, JOSEPH P. HEAVER, JULIA RODRIGUEZ-RAMOS FERNANDEZ, SHAHEED K. MACGREGOR, SHINTO K. JOHN, ANDREW A. CUNNINGHAM, AND BECKI LAWSON	467
Detection of immunoreactivity to psittaciform bornavirus in the serum of a wild cakatuid in Victoria, Australia MICHELLE SUTHERLAND, DAVID N. PHALEN, SIBYLLE HERZOG, KRISTINA MAIER-SAM, AND MICHAEL LIERZ	471
BOOK REVIEW	
Bats and Viruses. Current Research and Future Trends edited by Eugenia Corrales-Aguilar and Martin Schwemmler IVAN V. KUZMIN	474