

# Table of Contents

- Preface: History of Wildlife Pathology  
Linda J. Lowenstine, DVM, PhD, Diplomate ACVP
- 1. Wildlife Necropsy  
Denise McAloose, VMD, Diplomate ACVP  
Kathleen M. Colegrove, DVM, PhD, Diplomate ACVP  
Alisa L. Newton, VMD, Diplomate ACVP
- 2. Forensic Wildlife Pathology  
Tabitha C. Viner, DVM, Diplomate ACVP  
Rebecca A. Kagan, DVM, Diplomate ACVP
- 3. Laboratory Diagnostics  
Bruce A. Rideout, DVM, PhD, Diplomate ACVP  
Josephine Braun, DVM, DrMedVet  
Allan Pessier, DVM, Diplomate ACVP
- 4. Introduction to Comparative Clinical Pathology  
Nicole Stacy, DVM, DrMedVet, Diplomate ACVP  
Charlotte Hollinger, VMD, MS, Diplomate ACVP
- 5. Bovidae, Antilocapridae, Giraffidae, Hippopotamidae, Tragulidae  
Megan E. B. Jones, DVM, PhD, Diplomate ACVP  
David Gasper DVM, PhD, Diplomate ACVP  
Emily Mitchell (néé Lane), BVSc, MPhil, Diplomate ACVP
- 6. Cervidae  
Elizabeth W. Howerth, DVM, PhD, Diplomate ACVP  
Nicole M. Nemeth, DVM, PhD, Diplomate ACVP  
Marie-Pierre Ryser-Degiorgis, DrMedVet, Diplomate ECZM (Wildl. Pop. Health)
- 7. Camelidae  
Dalen Agnew, DVM, PhD, Diplomate ACVP
- 8. Suidae, Tayassuidae  
María Ángeles Jiménez Martínez, DVM, PhD, Diplomate ECVP  
David Gasper, DVM, PhD, Diplomate ACVP  
María del Carmen Carmona Muciño, MVZ Esp.  
Karen A. Terio, DVM, PhD, Diplomate ACVP
- 9. Canidae, Ursidae, and Ailuridae  
Michael Kevin Keel, DVM, MS, PhD, Diplomate ACVP  
Denise McAloose, VMD, Diplomate ACVP  
Karen A. Terio, DVM, PhD, Diplomate ACVP
- 10. Felidae  
Karen A. Terio, DVM, PhD, Diplomate ACVP

Denise McAloose, VMD, Diplomate ACVP  
Emily Mitchell (née Lane), BVSc, MPhil, Diplomate ACVP

11. Mustelidae

Bruce H. Williams, DVM, Diplomate ACVP  
Kathy A. Burek-Huntington, DVM, MS, Diplomate ACVP  
Melissa Miller, DVM, MS, PhD

12. Procyonidae, Viverridae and Ursidae

Molly E. Church, VMD, PhD, MS, Diplomate ACVP  
Karen A. Terio DVM, PhD, Diplomate ACVP  
Michael Kevin Keel, DVM, MS, PhD, Diplomate ACVP

13. Prosimians

Denise McAloose, VMD, Diplomate ACVP  
Ilse H. Stalis, DVM, Diplomate ACVP

14. New World and Old World Monkeys

Kerstin Mätz-Rensing, DVM  
Linda J. Lowenstine, DVM, PhD, Diplomate ACVP

15. Apes

Linda J. Lowenstine, DVM, PhD, Diplomate ACVP  
Rita McManamon, DVM  
Karen A. Terio, DVM, PhD, Diplomate ACVP

16. Proboscidea

Jennifer A. Landolfi, DVM, PhD, Diplomate ACVP  
Scott P. Terrell, DVM, Diplomate ACVP

17. Perissodactyla

Mary Duncan, BVMS, PhD, Diplomate ACVP, MRCVS

18. Monotremes and Marsupials

Damien Higgins, BVSc, MVetStud, PhD  
Karrie Rose, DVM, DVSc  
David M. Spratt, BSc, MSc, PhD

19. Lagomorpha

Martha A. Delaney, DVM, MS, PhD, Diplomate ACVP  
Piper M. Treuting, DVM, MS, Diplomate ACVP  
Jamie L. Rothenburger, DVM, MVetSc, PhD, Diplomate ACVP

20. Rodentia

Martha A. Delaney, DVM, MS, PhD, Diplomate ACVP  
Piper M. Treuting, DVM, MS, Diplomate ACVP  
Jamie L. Rothenburger, DVM, MVetSc, PhD, Diplomate ACVP

21. Xenartha, Erinacoemorpha, Eutheria, Afrotheria

Dalen Agnew, DVM, PhD, Diplomate ACVP

Sally A. Nofs, DVM, MRCVS, Diplomate ECZM (Zoo Health Management)  
Martha A. Delaney, DVM, MS, PhD, Diplomate ACVP  
Jamie L. Rothenburger, DVM, MVetSc, PhD, Diplomate ACVP

22. Cetacea

Judy St. Leger, DVM, Diplomate ACVP  
Stephen Raverty, DVM, MSc., PhD, Diplomate ACVP  
Alexandria Mena

23. Pinnipeds

Kathleen M. Colegrove, DVM, PhD, Diplomate ACVP  
Ursula Siebert, PhD, Prof. Prof h.c. Diplomate ECZM (Wildlife Population Health)  
and ECAAH  
Kathy A. Burek-Huntington, DVM, MS, Diplomate ACVP  
Wendi Roe, BVSc (Dist), BSc, Diplomate ACVP, PhD

24. Sirenia

Helen Owen, BVMS, Diplomate ACVP  
Martine de Wit, DVM  
Mark Flint, BVSc, BSc (Hons), MAppSc, MPhil, PhD

25. Chiroptera

Lisa L. Farina, DVM, Diplomate ACVP  
Julia S. Lankton, DVM, DACVP

26. Struthioniformes

Dale A. Smith, DVM, DVSc

27. Sphenisciformes, Gaviiformes, Podicepediformes, Procellariiformes,  
Pelecaniformes

Mark F Stidworthy, MA, VetMB, PhD, FRCPath, MRCVS  
Daniela Denk, DrMedVet, Diplomate ECVP, MRCVS

28. Phoenicopteriformes

Elizabeth L. Buckles, DVM, PhD, Diplomate ACVP

29. Anseriformes, Ciconiiformes, Charadriiformes, Gruiformes

Heather Fenton, DVM, MVSc, Diplomate ACVP  
Rita McManamon, DVM  
Elizabeth W. Howerth, DVM, PhD, Diplomate ACVP

30. Birds of Prey

Arno Wünschmann, DrMedVet, Diplomate ACVP  
Anibal G. Armien, DVM, MSc, DrMedVet, Diplomate ACVP  
Ursula Höfle, DrMedVet, PhD  
Jörg Kinne, DrMedVet, CertVetPath, CertTropVet  
Linda J. Lowenstine, DVM, PhD, Diplomate ACVP  
H.L. Shivaprasad, BVSc, MS, PhD, Diplomate ACPV

31. Galliformes, Columbiformes

Rocio Crespo, DVM, MS, DVSc, Diplomate ACPV

Monique S. França, DVM, PhD, Diplomate ACPV, Diplomate ACVP

Heather Fenton, DVM, MVSc, Diplomate ACVP

H.L. Shivaprasad, BVSc, MS, PhD, Diplomate ACPV

32. Psittaciformes, Coliiformes, Musophagiformes, Cuculiformes

Drury R. Reavill, DVM, Diplomate ABVP, Diplomate ACVP

Gerry Dorrestein, DVM, PhD, hon. Diplomate ECZM (Avain), Diplomate Vet Pathol

33. Passeriformes, Trochiliformes, Coraciiformes, Caprimulgiformes, Apodiformes, Piciformes

John Trupkiewicz, DVM, Diplomate ACVP

Michael M. Garner, DVM, Diplomate ACVP

Carles Juan-Sallés, LV, Diplomate ACVP

34. Chelonia

Carlos E. Rodriguez, DVM, Diplomate ACVP

Jennifer Steinberg, DVM, Diplomate ACVP

Ana María Henao Duque, MV, MSc. (Anat. Path)

Daniel B. Woodburn, DVM, Diplomate ACVP

35. Crocodylia

Kenneth J. Conley, DVM, Diplomate ACVP

Catherine M. Shilton, BSc, DVM, DVSc

36. Lacertilia

Francesco C. Origgi, DVM, PhD, PD, Diplomate ACVM (Virology), Diplomate ACVP,

37. Serpentes

Robert J. Ossiboff, DVM, PhD, Diplomate ACVP

38. Amphibia

Allan Pessier, DVM, Diplomate ACVP

39. Osteichthyes (Freshwater & Marine)

Salvatore Frasca Jr., VMD, PhD, Diplomate ACVP

Jeffrey C. Wolf, DVM, Diplomate ACVP

Michael J. Kinsel, DVM, Diplomate ACVP

Alvin C. Camus, DVM, PhD

LTC Eric D. Lombardini, VMD, PhD, DACVPM, Diplomate ACVP

40. Chondrichthyes

Nancy L. Stedman, DVM, PhD, Diplomate ACVP

Michael M. Garner, DVM, Diplomate ACVP

41. Invertebrates

Alisa L. Newton, VMD, Diplomate ACVP

Roxanna Smolowitz, DVM