

American College of Zoological Medicine Board Examination

Annotated Suggested Reading List - 2023

The following list is provided to help guide veterinarians planning to study for the ACZM Board Examination. This is not a comprehensive list of all available reference materials; This list is intended to facilitate the candidates' search for information as they gather materials and study the literature. Examination questions will primarily, though not exclusively, be created using information within the listed reading materials. Examination questions based upon journal articles will emphasize recent literature of the last five calendar years, through April of the examination year, although older references may also be included. It is strongly recommended that candidates work with their ACZM diplomate mentor in order to prioritize study material within the references suggested.

Core Reading Material

Used for **both** the Qualifying Examination (Day 1) and the Certifying Examination (Day 2) exam material, for all disciplines.

Core Journals and Journal Articles

Journal of Zoo and Wildlife Medicine - ***Excluding clinical challenges***

Journal of Wildlife Diseases - ***Excluding short communications and letters***

Journal of Avian Medicine and Surgery

Journal of Herpetological Medicine and Surgery

Journal of the American Veterinary Medical Association - ***Including AVMA Guidelines for the Euthanasia of Animals (2020)***

American Journal of Veterinary Research

[*Varela K, et al. A Review of Zoonotic Disease Threats to Pet Owners: A Compendium of Measures to Prevent Zoonotic Diseases Associated with Non-Traditional Pets Such as Rodents and Other Small Mammals, Reptiles, Amphibians, Backyard Poultry, and Other Selected Animals. Vector-Borne and Zoonotic Diseases. Jun 2022.303-360.*](#)

Core Textbooks/Manuals

Divers, Stahl (eds). 2019. Mader's Reptile and Amphibian Medicine and Surgery 3rd edition. Elsevier.

Fowler, Miller (eds). 2014. Fowler's Zoo and Wild Animal Medicine, **8th** edition. WB Saunders Co.

Franson, C, Friend M, Gibbs SEJ, Wild MA. 2015. Field Manual of Wildlife Diseases. US Geological Survey, US Fish and Wildlife Service and National Park Service

Gulland, Dierauf, Whitman (eds). 2018. CRC Handbook of Marine Mammal Medicine, 3rd edition. CRC Press.

CHAPTERS 2, 4-7, 10, 13-29, 31, 33, 37, 40-45

Hadfield, Clayton (eds). 2021. Clinical Guide to Fish Medicine. Wiley.

Hernandez, Barron, Miller, Aguilar, Yabsley (eds). 2019. Medical Management of Wildlife Species: A Guide for Practitioners. Wiley Blackwell.

Lewbart. 2022. Invertebrate Medicine. 3rd ed. Wiley.

CHAPTERS 3-6, 9, 13, 16, 23, 25-27, 29

Miller, Lamberski, Calle (eds). 2018. Fowler's Wild and Zoo Animal Medicine Current Therapy, Volume 9. WB Saunders Co.

Miller, Lamberski, Calle (eds). 2022. Fowler's Wild and Zoo Animal Medicine Current Therapy, Volume 10. WB Saunders Co.

CHAPTERS 18, 19, 22, 24, 25, 29, 38, 42, 43, 46, 49, 50, 52, 53, 55, 56, 58-61, 65, 69, 70, 72, 73, 75, 76, 80-85, 88, 90, 91, 94, 98, 99, 101, 110

Nemeth NM, Yabsley MJ (eds). 2021. Field Manual of Wildlife Diseases of the Southeastern United States (4th ed). Southeastern Cooperative Wildlife Disease Study, University of Georgia, Athens.

Quesenberry, Orcutt, Mans. 2020. Carpenter (ed.). Ferrets, Rabbits and Rodents - E-Book: Clinical Medicine and Surgery. United States: Elsevier Health Sciences.

Speer. 2015. Current Therapy in Avian Medicine and Surgery. Elsevier.

Smith, Warmolts, Thoney, Hueter, Murray, Ezcurra (eds). 2017. Elasmobranch Husbandry Manual II. Ohio Biological Survey.

CHAPTERS 25, 27, 29, 30

Terio, McAloose (eds). 2018. Pathology of Wildlife and Zoo Animals. Academic Press.

West, Heard, Caulkett (eds). 2014. Zoo Animal and Wildlife Immobilization and Anesthesia, 2nd edition. Wiley Blackwell.

DAY 2 - Additional Reading Materials*				
	Aquatics	General Zoo	WPH	ZCA
*in addition to Core Reading Materials				
Books				
Fowler, Miller (eds). 2008. Zoo and Wild Animal Medicine Current Therapy 6 . WB Saunders. CHAPTERS 31, 49, 51		X		
Fowler, Miller (eds). 2012. Fowler's Zoo and Wild Animal Medicine, 7th edition. WB Saunders. CHAPTERS 4, 8, 11, 13, 14, 34, 42, 67, 75		X		
Gulland, Dierauf, Whitman (eds). 2018. CRC Handbook of Marine Mammal Medicine, 3rd edition.	X			
Lewbart. 2022. Invertebrate Medicine. 3rd ed. Wiley.	X			X
Manire, Norton, Stacy, Innis, Harms (eds). 2017. Sea Turtle Health & Rehabilitation. J. Ross	X			
Mitchell, Tully (eds). 2016. Current Therapy in Exotic Pet Practice. Elsevier. CHAPTERS 2, 3, 5, 6				X
Silvy NJ, editor. 2020. The Wildlife Techniques Manual: Volumes 1 & 2. JHU Press.			X	
Smith, Warmolts, et al. (eds). 2017. Elasmobranch Husbandry Manual II. Ohio Biological Survey. CHAPTERS 12, 13, 18, 20, 24, 28, 35, 36	X			
Veterinary Clinics of North America: Exotic Animal Practice (last 5 years)				X
Delahay, Smith, and Hutchings (eds). Management of Disease in Wild Mammals. Springer.			X	
Journals				
Diseases of Aquatic Organisms	X			
EcoHealth (<u>ONLY</u> articles related to the field of wildlife medicine)			X	
Journal of the American Association for Laboratory Animal Science*				X
Journal of Aquatic Animal Health	X			
Journal of Exotic Pet Medicine				X
Journal of Small Animal Practice				X
Journal of Wildlife Management			X	
Journal of Zoo and Aquarium Research*		X		
Plos One (<u>ONLY</u> articles related to the field of wildlife medicine)			X	
Veterinary Record				X
Zoo Biology	X	X		
*indicates that this journal is included as suggested reading <u>ONLY</u> for the papers listed in the Appendix below				

Appendix: Selected References for the Certifying Examination

Journal of the American Association for Laboratory Animal Science (ZCA only)

- Andrews DD, et al. A Comparison of Buprenorphine, Sustained release Buprenorphine, and High concentration Buprenorphine in Male New Zealand White Rabbits. *JAALAS*. 2020 Sep 1;59(5):546-56.
- Chae JJ, et al. Effects of General Anesthesia on Intraocular Pressure in Rabbits. *JAALAS*. 2021 Jan 1;60(1):91-5.
- Coda KA, et al. Behavioral Effects of Cage Size and Environmental Enrichment in New Zealand White Rabbits. *JAALAS*. 2020 Jul 1;59(4):356-64.
- Feldman ER, et al. Effects of Cisapride, Buprenorphine, and Their Combination on Gastrointestinal Transit in New Zealand White Rabbits. *JAALAS*. 2021 Mar 1;60(2):221-28.
- Lee LY, et al. Capnography-guided endotracheal intubation as an alternative to existing intubation methods in rabbits. *JAALAS*. 2019 Mar 1;58(2):240-5.
- Miller KA, et al. Pharmacokinetics and Safety of Intramuscular Meloxicam in Zebra Finches (*Taeniopygia guttata*). *JAALAS*. 2019 Sep 1;58(5):589-93.
- Personett AR, et al. Hematologic Parameters and Blood Cultures from the Gingival Vein Compared with the Cranial Vena Cava in Guinea Pigs. *JAALAS*. 2019 Nov 1;58(6):817-22.
- Rousseau-Blass F, et al. A Pharmacokinetic-Pharmacodynamic Study of Intravenous Midazolam and Flumazenil in Adult New Zealand White—Californian Rabbits (*Oryctolagus cuniculus*). *JAALAS*. 2021 May 1;60(3):319-28.
- Tournade CM, et al. Effects of Tinidazole on Food Intake in Chinchillas (*Chinchilla lanigera*). *JAALAS*. 2021 Sep 1;60(5):587-91.

Journal of Zoo and Aquarium Research (General Zoo only)

- Anderson, K., et al. (2018). Causes of mortality in sloth bears (*Melursus ursinus*) housed in U.S. zoos. *JZAR*, 6(1), 12–15.
- Barrows, M., et al. (2017). Retrospective analysis of elective health examinations as preventative medicine interventions at a zoological collection. *JZAR*, 5(1), 25–32.
- Carbajal, A., et al. (2018). Effect of deslorelin implants on the testicular function in male ring-tailed lemurs (*Lemur catta*): Deslorelin effect in *Lemur catta*. *JZAR*, 6(2), 37–40.
- Clavadetscher, I., et al. (2021). Development of an image-based body condition score for giraffes *Giraffa camelopardalis* and a comparison of zoo-housed and free-ranging individuals. *JZAR*, 9(3), 170–185.
- Drake, G. J.-C., et al. (2017). Provision of ultraviolet basking lights to indoor housed tropical birds and their effect on suspected vitamin D3 deficiency. *JZAR*, 5(4), 151–157.
- Greene, W., et al. (2019). A Review of Asian and African Elephant Gastrointestinal Anatomy, Physiology, and Pharmacology: Elephant Gastrointestinal Anatomy, Physiology, and Pharmacology. *JZAR*, 7(1), 1–14.
- Jensen, M., et al. (2021). Assessing the effects of biosecurity measures in terrarium management. *JZAR*, 9(3), 157–160.
- Ludwig, C., et al. (2019). Asymmetric reproductive aging in cheetah (*Acinonyx jubatus*) females in European zoos. *JZAR*, 7(2), 87–93.
- Perrin, K. L., et al. (2021). Quantification and risk factor analysis of elephant endotheliotropic herpesvirus-haemorrhagic disease fatalities in Asian elephants in Europe (1985-2017). *JZAR*, 9(1), 8–13.
- Segura-Cortijos C, et al. (2022). Mortality and morbidity in captive Livingstone's fruit bats *Pteropus livingstonii*. *JZAR*, 10(3):149-57.
- Warsaw, D., & Sayers, J. (2020). The influence of animal welfare accreditation programmes on zoo visitor perceptions of the welfare of zoo animals. *JZAR*, 8(3), 188–193.