

# American College of Zoological Medicine Board Examination

## Annotated Suggested Reading List - 2024

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

American Journal of Veterinary Research

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

Journal of Avian Medicine and Surgery

Journal of Herpetological Medicine and Surgery

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

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

Veterinary Clinics of North America: Exotic Animal Practice - ***The following articles:***

- Parkinson, L. (2023). Fluid Therapy in Exotic Animal Emergency and Critical Care. 26(3), 623-645.

- Llizo, S. Y. (2021). Prevention is Better than Cure: An Overview of Disease Outbreak Management in Herpetiles. 24(3), 647-659.

- van Zanten, T. C., & Simpson, S. C. (2021). Managing the health of captive groups of reptiles and amphibians. 24(3), 609-645.

[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.

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, 39-45**

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, 10, 13-16, 19, 23, 25-30, 32**

[Maslanka, et al. APHIS Animal Care Handling Fish Fed to Fish-Eating Animals 2nd Revised Edition - August, 2023](#)

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, Carpenter (eds). 2020. Ferrets, Rabbits and Rodents - Clinical Medicine and Surgery (4th ed). 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 and Manuals				
Delahay, Smith, and Hutchings (eds). Management of Disease in Wild Mammals. Springer.			X	
Fowler, Miller (eds). 2012. Fowler's Zoo and Wild Animal Medicine, <b>7th</b> edition. WB Saunders. <b>CHAPTERS 4, 8, 11, 13, 14, 34, 42, 66, 67, 75</b>		X		
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			X	
Gulland, Dierauf, Whitman (eds). 2018. CRC Handbook of Marine Mammal Medicine, 3rd edition.	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. <b>CHAPTERS 2, 5, 6</b>				X
Silvy NJ, editor. 2020. The Wildlife Techniques Manual: Volume 1. JHU Press.			X	
Smith, Warmolts, et al. (eds). 2017. Elasmobranch Husbandry Manual II. Ohio Biological Survey. <b>CHAPTERS 12, 13, 18, 20, 24, 28, 35, 36</b>	X			
Journals				
Diseases of Aquatic Organisms	X			
EcoHealth ( <b>ONLY</b> articles related to the field of wildlife health)			X	
Frontiers in Marine Science ( <b>ONLY</b> articles related to the field of aquatic animal health)	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 Zoo and Aquarium Research*		X		
Plos One ( <b>ONLY</b> articles related to the field of wildlife health)			X	
Veterinary Clinics of North America: Exotic Animal Practice ( <b>last 5 years</b> )				X
Veterinary Record				X
Zoo Biology	X	X		
*indicates that this journal is included as suggested reading <b>ONLY</b> 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. 59.5 (2020):546-56.
- 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.
- Draper, JMH, et al. "Comparison of Effects of Capromorelin and Mirtazapine on Appetite in New Zealand White Rabbits (*Oryctolagus cuniculus*).". JAALAS. 61.5 (2022):495-505.
- 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.
- Llaniguez, Jeremy T., et al. "Quantitative and qualitative behavioral measurements to assess pain in axolotls (*Ambystoma mexicanum*).". JAALAS. 59.2 (2020):186-196.
- Miller KA, et al. Pharmacokinetics and Safety of Intramuscular Meloxicam in Zebra Finches (*Taeniopygia guttata*). JAALAS. 2019 Sep 1;58(5):589-93.
- Pinho, Renata H., et al. "Effects of Human Observer Presence on Pain Assessment Using Facial Expressions in Rabbits." JAALAS. 62.1 (2023):81-86.
- Hsi, Zoe Y., et al. "Effects of Buprenorphine and Carprofen on Appetite in New Zealand White Rabbits (*Oryctolagus cuniculus*).". JAALAS. 61.6 (2022):672-677.
- 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.
- 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.
- Duque-Correa, M. J., et al. (2022). Retrospective study of captive jaguar *Panthera onca* mortality in the European breeding population from 1998 to 2018. JZAR, 10(2), 66–73.
- 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.
- 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.
- Perrin, K. L., et al. (2022). Current surveillance practices for shedding of elephant endotheliotropic herpesviruses in breeding and bachelor Asian elephant *Elephas maximus* herds in Europe. JZAR, 10(4), 183–187.
- Radeke-Auer, K., et al. (2023). Retrospective pathology review of captive black rhinoceros *Diceros bicornis* in the EAZA Ex-situ Programme (1995-2022). JZAR, 11(2), 298–310.
- 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.