

# American College of Zoological Medicine Board Examination

## Annotated Suggested Reading List - 2022

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

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

#### Core Textbooks/Manuals

Davidson. 2006. Field Manual of Wildlife Diseases in the Southeastern United States 3rd edition. Southeastern Cooperative Wildlife Disease Study.

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

Fowler, Miller (eds). 2012, 2014. Fowler's Zoo and Wild Animal Medicine, **7th and 8th** editions. 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.

***ONLY 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. 2011. Invertebrate Medicine. 2nd ed. Blackwell Publishing.

***NOTE: Terrestrial invertebrates are only covered within the General Zoo and ZCA Certifying Exams.***

Mader, Divers (eds). 2014. Current Therapy in Reptile Medicine and Surgery. Elsevier

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

Noga. 2010. Fish Disease: Diagnosis and Treatment. 2nd edition. Iowa State University Press.

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.

***ONLY 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\*

\*in addition to Core Reading Materials

	Aquatic	General Zoo	Wildlife Population Health	Zoological Companion Animals
<b>Books</b>				
AVMA. 2017. Honey Bees: A Guide for Veterinarians.				X
Fowler, Miller (eds). 2008. Zoo and Wild Animal Medicine Current Therapy 6. WB Saunders.		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><u>ONLY CHAPTERS 2, 3, 5, 6</u></b>				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. <b><u>ONLY CHAPTERS 12, 13, 18, 20, 24, 28, 35, 36</u></b>	X			
Veterinary Clinics of North America: Exotic Animal Practice (last 5 years)				X
Wobeser. 2007. Disease in Wild Animals: Inv & Mgmt. Springer.			X	
<b>Journals</b>				
Diseases of Aquatic Organisms	X			
Emerging Infectious Diseases ( <b><u>ONLY</u> articles related to the field of wildlife medicine</b> )			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 ( <b><u>ONLY</u> articles related to the field of wildlife medicine</b> )			X	
Veterinary Record				X
Zoo Biology	X	X		
*indicates that this journal is included here <b><u>ONLY</u></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*. 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.
- Darbyshire AK, et al. Anesthesia and Euthanasia of Brine Shrimp (*Artemia franciscana*). *JAALAS*. 2019 Jan 1;58(1):58-64.
- 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—California Rabbits (*Oryctolagus cuniculus*). *JAALAS*. 2021 May 1;60(3):319-28.
- Rufiange M, et al. Prewarming followed by active warming is superior to passive warming in preventing hypothermia for short procedures in adult rats under isoflurane anesthesia. *JAALAS*. 2020 Jul 1;59(4):377-83.

### 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.
- 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.