

**MICHAEL SCOTT ECHOLS, DVM
DIPLOMATE ABVP- AVIAN PRACTICE**

**Scarlet Imaging, LLC
Echols Veterinary Services, PLLC
Avian Studios, LLC**

The Medical Center for Birds
3805 Main Street
Oakley, California 94561
925-625-1878 work

EDUCATION

Texas A&M University; College Station, Texas
B.S. Veterinary Science- Summa Cum Laude, 1993
-Attended September 1989 to June 1991

Texas A&M University; College of Veterinary Medicine
Doctor of Veterinary Medicine- Magna Cum Laude, 1995
-Attended September 1991 to June 1995

The Medical Center For Birds; Oakley, California
ABVP Residency- Diplomate Avian Practice, 1999
- Attended November 1997 to December 1999

**WORK
EXPERIENCE**

Associate Veterinarian
Oakley Veterinary Medical Center; Oakley, California
-June 1995 to November 1997

ABVP- Avian Practice Resident
The Medical Center for Birds; Oakley, California
-November 1997 to December 1999

Director of Avian Medical and Surgical Services
Westgate Pet and Bird Hospital; Austin, Texas
-February 2000 to August 2008

Founder of Echols Veterinary Services, PLLC
Providing veterinary relief, visiting professor,
writing and lecturing services.
Based in Salt Lake City, Utah
-January, 2009 to present

Co-founder of Avian Mobile Surgical Services

Providing phone and email consultation and traveling bird surgery services.

Medical Center for Birds; Oakley, California

-January 2009 to present

Founder of Avian Studios, LLC

Providing digital video production (scripting, filming, editing, producing) services to create educational media.

Based in Salt Lake City, Utah

www.AvianStudios.com

-November 2009 to present

Founder and President of Scarlet Imaging, LLC

Company creates innovative products to improve radiological based imaging such as the intravascular contrast agent BriteVu®.

Based in Salt Lake City, Utah

www.scarletimaging.com

-October 2014 to present

Co-founder of Global Anatomix, LLC

Produces formaldehyde free preserved and contrast perfused cadaveric specimens compatible with X-ray, CT, MRI, ultrasound, dissection, histology, photography and videography for anatomy education, surgery training, research, forensics and more.

Based in Miami, Fl

-June, 2020 to present

Active State Veterinary Medical Licenses:

-California

-Texas

-Utah

PROFESSIONAL PUBLICATIONS

Echols MS, Speer BL: A comprehensive plan for managing flock reproductive performance. *In* Fudge, AM (ed) Seminars in Avian and Exotic Pet Medicine 1996;5 (4): 205-213.

Echols MS, Speer BL: Management of avian flock emergencies. *In* Rupley AE (ed) The Veterinary Clinics of North America Exotic Animal Practice. WB Saunders, Philadelphia 1998;1(1):59-75.

Echols MS: Collecting diagnostics samples in avian patients. *In* Reavill D (ed) The Veterinary Clinics of North America Exotic Animal Practice. WB Saunders, Philadelphia 1999;2(3):621-649.

Echols MS, Craig TM, Speer BL: Heartworm (*Paronchocerca ciconarum*) infection in two saddle-billed storks (*Ephippiorhynchus*

senegalensis). *Journal of Avian Medicine and Surgery*. 2000;14(1):42-47.

Echols MS: Surgery of the avian reproductive tract. *Seminars in Avian and Exotic Pet Med*. 2002;11(4):177-195.

Echols S: Collecting diagnostic samples in avian patients. *Veterinary Clinics of North America Exotic Animal Practice Avian Pet Medicine*. Elsevier Saunders, Philadelphia, PA, 2005:51-74.

Echols MS: Evaluating and treating the kidneys. In: Harrison GJ, Lightfoot TL (eds). *Clinical Avian Medicine Volume II*. Spix Publishing, Inc, Palm Beach, FL, 2006:451-491.

Echols MS (Guest Editor): Renal disease. *Veterinary Clinics of North America Exotic Animal Practice*. 2006;9(1).

Echols MS: The Avian Video Series- Volumes I-III (Blood collection, Necropsy and cytology and Basic non-surgical procedures). Teton NewMedia, Jackson, WY, 2006.

Echols MS. Captive Foraging. DVD. Zoological Education Network, Lake Worth, FL, 2006.

Echols MS. Collecting diagnostic samples in avian patients. *West Indian Veterinary Journal*. 2006;6(2):20-29.

Chavez W, Echols MS. Bandaging, endoscopy, and surgery in the emergency avian patient. *Veterinary Clinics of North America Exotic Animal Practice Emergency and Critical Care*. Elsevier Saunders, Philadelphia, PA, 2007:419-436.

Echols MS, Speer BL. Expert Companion Bird Care Series: Volume I. DVD. Avian Studios, Austin, Texas, 2010.

Echols MS, Speer BL. Expert Companion Bird Care Series: Volume II. DVD. Avian Studios, Austin, Texas, 2011.

Echols MS, Orosz S, et al. Lafeber's Nutritional Care Systems Video Series. Avian Studios, Austin, Texas 2011.

Echols MS, Speer BL. Expert Companion Bird Care Series: Volume III. DVD. Avian Studios, Austin, Texas, 2011.

Echols MS, Orosz SE, Antinoff A, et al. Lafeber's Nutritional Care Systems educational digital video series. Avian Studios, Salt Lake City, Utah, 2011-present.

Echols MS, Pollock C, Rivera S, et al. Lafeber in the Field promotional videos for Lafeber Company. Avian Studios, Salt Lake City, Utah, 2012-present.

Echols MS, Speer BL, Soga R, Fukushi H. Expert Companion Bird Care Series: Volume I- Japanese Translated. DVD. Avian Studios, Salt Lake City, Utah, 2013.

Echols MS. Soft tissue surgery. In: Greenacre C, Morishita T (eds). Backyard Poultry Medicine and Surgery: A Guide for Veterinary Practitioners. Wiley. 2015.

Echols MS. Anseriforme husbandry and management. In: Greenacre C, Morishita T (eds). Backyard Poultry Medicine and Surgery: A Guide for Veterinary Practitioners. Wiley. 2015.

Echols MS. Navigating the Nutraceutical Industry: A Guide to Help Veterinarians Make Informed Clinical Decisions. Avian Current Veterinary Therapy. Saunders. 2016, 164-176.

Mison M, Mehler S, Echols MS, et al. Approaches to the coelom and selected procedures. Avian Current Veterinary Therapy. Saunders. 2016; 638-645.

Mison M, Mehler S, Echols MS, et al. Selected coelomic surgical procedures. Avian Current Veterinary Therapy. Saunders. 2016; 645-657.

Rubin JA, Runge JJ, Echols MS, et al. Surgery. Avian Current Veterinary Therapy. Saunders. 2016.

Gignac PM, Kley NJ, Clarke JA, Echols MS, et al. Diffusible iodine-based contrast-enhanced computed tomography (dice-CT): an emerging tool for rapid, high resolution, 3-D imaging of metazoan soft tissues. J of Anatomy. 2016;228(6):889-909.

Folland DW, Echols MS, Wallace M. Elbow arthrodesis in a bald eagle (*Haliaeetus leucocephalus*). J Exotic Pet Med. 2016;25:203-207.

Cost IN, Middleton KM, Witmer LM, Echols MS, Holliday CM. Comparative anatomy and biomechanics of the feeding apparatus of parrots (Aves: Psittaciformes). Poster presentation. Experimental Biology. April, 2017.

Echols MS. Basic Surgery. In: Chitty J, Monks D (eds) BSAVA Manual of Avian Practice: A Foundation Manual. BSAVA. 2018.

Lawson AB, Echols MS, Schachner ER. Anatomy of the respiratory system of the African grey parrot (*Psittacus erithacus*). Poster. Experimental Biology. April 24, 2018.

Wainman B, Echols S, Rockarts J, Palombella A. A novel contrast media whole cadaver perfusion protocol. Experimental Biology. April 23, 2018.

Mooney A, Echols MS. Diagnosis, Treatment and Management of Osteoporosis in Captive Birds. J Assoc Avian Vet Australasian Committee Ltd. Eolophus 2018, Vol 2, (3):56-66.

Cost IN, Middleton KM, Sellers KC, Echols, MS et al. Palatal Biomechanics and Its Significance for Cranial Kinesis in *Tyrannosaurus rex*. The Anatomical Record 2020, 303:999–1017. DOI: 10.1002/ar.24219.

Orosz SE, Echols MS. The urinary and osmoregulatory system of birds. Vet Clin N Am Exot Anim Pract. Vet Clin Exot Anim 23 (2020) 1–19.

Orosz SE, Redig P, Echols MS. Avian Orthopedics: Anatomical Principles and Surgical Applications. Teton New Media. In writing. Expected release date 2021.

Samples OM, Echols MS. Laboratory Manual for Clinical Veterinary Technology. Teton New Media. In writing. Expected release date 2021.

Verhulst CD, Aitkin-Palmer C, Echols, MS, et al. New Imaging Approaches Enable Visualization of 3D Musculoskeletal Anatomy of Exotic Species. To be published 2021.

Echols MS, Nielsen MT. Anatomy of the Grey Parrot. Wiley. In writing. Expected release date 2021-23.

RESEARCH

Echols MS, Nielsen M et al. Anatomy of the grey parrot (*Psittacus erithacus*). Departments of Bioengineering, Anatomy, Biology and Scientific Computing and Imaging Institute, University of Utah, Salt Lake City, Utah. 2012 to present.

Townsend B, Smith HF, Echols MS, et al. Anatomical descriptions of the snow leopard (*Panthera uncia*). Midwestern University, Glendale, Az. 2018 to present.

Heesy C, Hall M, Echols MS, et al. Anatomical descriptions of the cane toad (*Rhinella marina*). Midwestern University, Glendale, Az. 2019 to present.

Hall M, Heesy C, Echols MS, et al. Anatomical descriptions of the green iguana (*Iguana iguana*). Midwestern University, Glendale, Az. 2019 to present.

Rico-Guevara A, Echols MS, Klein M, et al. Anatomic studies of the feeding mechanism of nectar feeding birds. University of Washington, Seattle, WA, and Australian Synchrotron, Clayton, VIC, Australia. 2019 to present.

Tsai H, Echols MS. Leg anatomy of the domestic duck (*Anas platyrhynchos*). Missouri State University, Springfield, MO. 2019 to present.

Echols MS, Benninger B, et al. Anatomical descriptions of the white spotted bamboo sharks (*Chiloscyllium plagiosum*). College of Osteopathic Medicine of the Pacific – Northwest, Lebanon, Or. 2020 to present.

Townsend B, Smith HF, Echols MS, Clarke E, et al. Anatomical descriptions of the California sea lion (*Zalophus californianus*). Midwestern University, Glendale, Az. 2020 to present.

Adams J, Echols MS, et al. Anatomic descriptions of Australian marsupials. Monash University, Melbourne, VIC, Australia. 2020-present.

OTHER PUBLICATIONS

Echols MS: Two Collared Aracaris. Cover Art, *Journal of Avian Medicine and Surgery*. 2001;15(3):Cover.

Echols MS: Archaeopteryx. Cover Art, *Journal of Avian Medicine and Surgery*. 2007; 21(2):Cover.

Echols MS: Aoudad. Cover Art, *Journal of the American Veterinary Medical Association*. 2020;256(1):Cover.

PROFESSIONAL ORGANIZATIONS

American Veterinary Medical Association

Association of Avian Veterinarians

American Board of Veterinary Practitioners

European Association of Avian Veterinarians

International Ornithologists' Union

**PROFESSIONAL
ACTIVITIES**

Association of Avian Veterinarians Proceedings
Editorial Board 1998- present

Association of Avian Veterinarians Director on the Board of
Directors 2003 to 2009

President of the Association of Avian Veterinarians 2007-2008

Editorial reviewer for the *Journal of Avian Medicine and Surgery*
2000 to present

Reviewer for American Board of Veterinary Practitioners Diplomate
applications 2002-2012.

American Board of Veterinary Practitioners Exam Committee 2003
to present

International lecturer on numerous topics in avian medicine and
surgery

Avian Session Chair for the North American Veterinary Conference
2008-2016

Exotics Chair for the North American Veterinary Conference 2017-
2022

Adjunct Professor Texas A&M College of Veterinary Medicine
2002 to present

Various radio and TV appearances covering avian topics

Visiting professor at multiple veterinary universities in the US and
abroad 2002 to present

Legal expert witness for avian medical and surgical cases 2009 to
present

PhD candidate advisor University of Utah 2015 to 2020

AWARDS

Recipient of the TJ Lafeber Avian Practitioner of the Year Award, 2005

Recipient of the Texas Veterinary Medical Association 2007 Non-Traditional Species Practitioner of the Year Award

Wellcome Images Award 2017 Finalist

Texas A&M 2018 Distinguished Alumnus Award

INTERESTS

Playing guitar, artwork and just about any outdoor activity.