

Miranda C. Knight, DVM

Education

Large Animal Medical and Surgical Rotating Internship, 2004 University of Georgia - Athens, GA
Responsible for primary case management and emergency duty while gaining proficiency in lameness diagnostics, evaluation of acute abdomen, and minor surgical procedures

Doctor of Veterinary Medicine, 2003 Texas A&M University - College Station, TX
GPA: 3.826, Magna cum Laude

Bachelor of Science, Animal Science, 1999 University of Georgia - Athens, GA
GPA: 3.700, Magna cum Laude

Professional Experience

Clinical Assistant Professor & College Veterinarian, July 2019 - Present Berry College – Mt. Berry, GA

- Veterinarian responsible for the maintenance and health care of dairy, beef, sheep, and equine herds of Berry College
- Courses instructed:
 - ANS 326 and 326 lab, Animal Anatomy and Physiology
 - ANS 421, Animal Health and Diseases
 - BCC 100, First Year Seminar

Assistant Professor, May 2015-June 2019 Fort Valley State University – Fort Valley, GA

- Tenure-track assistant professor with a primary teaching assignment.
- Courses instructed include Veterinary Anesthesia and Surgery, Veterinary Pharmacology, Veterinary Nursing and Restraint, Hospital Procedures, Veterinary Anatomy and Physiology, and UGA Clinical Rotations, Master's level courses: Environmental Health, Special Topics in Public Health
- Coordinated both lecture and laboratory instruction for courses paired with a laboratory.
- Incorporated on-line educational tools into traditional curriculum format
 - Comfortable with online learning and web hybrid course instruction.
 - Utilized Brightspace by D2L online learning format.
- Served the University in various committees including but not limited to: QEP Steering Committee, SACSCOC Library and Learning Resources Committee, Strategic Realignment Task Force; ALACUC Committee
- Selected as an inaugural USG Learning Scholar
- Successfully completed the pre-tenure process
- Actively involved in advisement and career development of veterinary technology students
- Provide veterinary care to the department and university owned animals, housed in both the veterinary science and animal science departments
- Provide veterinary care to outside clients through the department's Community Practice Clinic
- Advisor to the Vet Tech Club

Relief Veterinarian, Nov 2012-May 2015 Various Veterinary Clinics in Tampa, FL and Middle GA

- Provided high quality, compassionate and complete veterinary services to clinics in the Tampa, Florida area followed by clinics in middle Georgia upon job relocation

Associate Veterinarian, May 2008-June 2012 Case Veterinary Hospital - Savannah, GA

- General practitioner in a 6 doctor, AAHA accredited, progressive practice focusing on providing the highest quality medical and surgical services to our patients and our clientele
- One of the few veterinarians in the state of Georgia performing laparoscopic surgeries to include but not limited to ovariectomy, prophylactic gastropexy, cryptorchid castration, and liver biopsies

Veterinary Education Specialist I, August 2006-February 2008 University of Georgia- Athens, GA

- Supervised senior veterinary students in elective surgical procedures, primarily ovariohysterectomy, castration, and onchyectomy; coordinated rounds discussions with senior students on the topics of spay, neuter, and pyometra; Provided out-patient services for the Community Practice Clinic when not instructing surgery

- Primary veterinarian in a 3 doctor practice responsible for lameness exams and radiographic interpretation, as well as performing the majority of distal limb ultrasonography.

Courses Taught

- Fall 2015:
VETY 1803 Animal Nursing & Restraint (2 Cr; 3 Laboratory Periods)
VETY 2833 Veterinary Pharmacology & Medical Dosage (2 Cr)
VETY 2844 Anesthesiology & Surgical Procedures (3 Cr; 2 Laboratory Periods)
- Spring 2016:
VETY 1824 Animal Anatomy & Physiology (4 Cr; 2 laboratory Periods)
VETY 2824 Hospital Procedures (2 Cr; 2 Laboratory Periods)
- Summer 2016:
ENVH 5800 Special Topics in Public Health (1-3 Cr; MPH course)
VETY 4943 Clinics – Anesthesiology (3 Cr)
VETY 4953 Clinics – Clinical Applications (3 Cr)
VETY4933 Clinics – Central Receiving (3 Cr)
- Fall 2016:
VETY 1803 Animal Nursing & Restraint (2 Cr; 3 Laboratory Periods)
VETY 2833 Veterinary Pharmacology & Medical Dosage (2 Cr)
VETY 2844 Anesthesiology & Surgical Procedures (3 Cr; 2 Laboratory Periods)
- Spring 2017:
VETY 1824 Animal Anatomy & Physiology (4 Cr; 3 laboratory Periods)
VETY 2824 Hospital Procedures (2 Cr; 3 Laboratory Periods)
- Summer 2017:
HLTH 5103 Environmental Health (3 Cr)
VETY 4943 Clinics – Anesthesiology (3 Cr)
VETY 4953 Clinics – Clinical Applications (3 Cr)
VETY4933 Clinics – Central Receiving (3 Cr)
- Fall 2017:
VETY 1803 Animal Nursing & Restraint (2 Cr; 3 Laboratory Periods)
VETY 2833 Veterinary Pharmacology & Medical Dosage (2 Cr)
VETY 2844 Anesthesiology & Surgical Procedures (3 Cr; 2 Laboratory Periods)
- Spring 2018:
VETY 1824 Animal Anatomy & Physiology (4 Cr; 2 laboratory Periods)
VETY 2824 Hospital Procedures (2 Cr; 2 Laboratory Periods)
- Summer 2018:
VETY 4943 Clinics – Anesthesiology (3 Cr)
VETY 4953 Clinics – Clinical Applications (3 Cr)
VETY4933 Clinics – Central Receiving (3 Cr)
- Fall 2018:
VETY 1803 Animal Nursing & Restraint (2 Cr; 2 Laboratory Periods)
VETY 2833 Veterinary Pharmacology & Medical Dosage (2 Cr)
VETY 2844 Anesthesiology & Surgical Procedures (3 Cr; 2 Laboratory Periods)

- Spring 2019:
VETY 1824 Animal Anatomy & Physiology (4 Cr; 3 laboratory Periods)
VETY 2824 Hospital Procedures (2 Cr; 3 Laboratory Periods)
- Fall 2019:
ANS 326 Animal Anatomy and Physiology (4 Cr; 2 Laboratory Periods)
ANS 421 Animal Health and Diseases (3 Cr, partial course)
- Spring 2020:
ANS 326 Animal Anatomy and Physiology (4 Cr; 1 Laboratory Periods)
- Fall 2020:
ANS 326 Animal Anatomy and Physiology (4 Cr; 2 Laboratory Periods)
BCC 100 First Year Seminar (1 Cr)
HON ANS 326 Animal Anatomy and Physiology

University Appointments & Service

- QEP Steering Committee, Fall 2018
- SACSCOC Standards Committee: Library and Learning/Information Resources Committee, Fall 2018, Vice Chair
- USG Chancellor's Learning Scholar inaugural member, Fall 2018 – charged with developing faculty learning communities on respective USG campuses
- Department Curriculum Redesign Sub-Committee, Fall 2018
- USDA Ag Discovery Program, June 2015, 2016, 2017, 2018 – two week summer camp exposing high school students to fields of study in agriculture
- ALACUC Committee member, Fall 2017-present
- Strategic Resource Allocation Campus Prioritization Support Taskforce, Fall 2016-Summer 2017

Professional Meetings & Training

- AAC&U Transforming STEM Higher Education, November 2018
- AABP National Conference, September 2019
- Cross-Curriculum Module Development and Implementation Workshop, Summer 2018
- 25th AVTE Biennial Symposium, “A Variety of Collaborative Efforts to Achieve Student Success,” Presenter, August 2017
- UGA Outpatient Medicine Continuing Education meeting, December 2018
- UGA Outpatient Medicine Continuing Education meeting, December 2017
- UGA Large Animal Continuing Education meeting, October 2016

Grantsmanship

- USDA Evans-Allen Detection and Treatment Options for Mastitis Treatment in Caprines and Subsequent Drug Residues and Drug Resistance in Caprine Milk Co-Investigator April 2016 to April 2020
- IDEXX Sensitivity and Specificity of the Rapid Visual Pregnancy Test in diagnosing pregnancy in goats 28 days post-breeding Primary Investigator September 2016
- Title III “Enhancing Fort Valley State University STEM Instruction for the 21st Century Student through Cross-Curriculum and Inquiry Based Laboratory Design,” Co-Investigator October 2017-September 2020
 - Acquired State of the Art Synthetic Canine Cadaver to use in Veterinary Anatomy and Physiology as well as hands on technical skill instruction
- “CRISPER/Cas Mediated gene-targeting to reduce milk allergens and mastitis in goats” December 2017-December 2018 – provide anesthesia and surgical services for goats undergoing oocyte donation and embryo transfer

Thesis Committee

- Exploring the Effect of Probiotic *Lactobacillus Spp* on Mastitis pathogen *Staphylococcus aureus* Isolated from Caprine (dairy goat) (Otis Kofi Ocloo) March 2017

Professional Training & Related Experience

Laparoscopic Training, February 2010 and January 2012

Case Veterinary Hospital – Savannah, GA

- One on one training in our hospital given by Dr. Clarence Rawlings, the founder of laparoscopic surgery in veterinary medicine
- Gained experience in additional minimally invasive procedures such as laparoscopic assisted cystotomy, kidney biopsy, cystoscopy as well as further instruction in laparoscopic OVE and lap assisted gastropexy

Rigid and Flexible Endoscopic Training, January 2009

North American Veterinary Conference - Orlando, FL

- Hands on lab teaching the principles and practical application of both flexible and rigid endoscopy in veterinary medicine. Learned the procedure of laparoscopic ovariectomy using both a double port and single port technique

Advanced Ultrasonography Clinic, Jean-Marie Denoix, June 2005

Virginia Equine Imaging - Middleton, VA

- Continuing education focused on imaging the hind limb of the horse, including the hock, stifle, and sacroiliac joints

Professional Memberships and Awards Received

- 2018 USG Chancellor's Learning Scholar Appointment, Inaugural Cohort
- 2008-2019 Georgia Veterinary Medical Association
- 1999-2019 American Veterinary Medical Association
- 2015-2019 Association of Veterinary Technician Educators
- 1999-2029 American Association of Equine Practitioners
- 2019-2020 American Association of Bovine Practitioners
- 2004 Outstanding House Officer Award, Large Animal Medicine and Surgery, University of Georgia
- 2003 Ross P. Marsteller Award for interest, proficiency, and promise in large animal medicine, Texas A&M University
- 2002 Phi Zeta Veterinary Honor Society, Texas A&M University

Publications

- LeRoy, B.E., Knight, M.C., Eggleston, R., Torres-Velez, F., Harmon, B.G., "What is your diagnosis: Tail-base mass from a 'horse of a different color'," *Veterinary Clinical Pathology*, 34: 69-71, 2005.
- Rigby, S.L., Brinsko, S.P., Cochran, M., Blanchard, T.L., Love, C.C., Varner, D.D., "Advances in cooled semen technologies: seminal plasma and semen extender," *Animal Reproduction Science*, 68 (3-4): 171-80, Dec. 3, 2001.