



Summary of Course and Qualifications of Instructor(s)

(Retain this form for your records together with your Certificate of Completion.)

Colorado Chiropractic Association ■ 8751 East Hampden Avenue #B-7, Denver, CO 80231

(303) 755-9011 ■ (800) 829-0339 ■ Fax: (303) 755-1010

www.coloradochiropractic.org ■ cca@coloradochiropractic.org

Course Title: Zoonotic, Contagious & Infecious Diseases for the Large and Small Animal

Date of Course: Saturday, October 6, 2018

CE Hours Applicable: 4 (FOUR) CE Hour | 8:00 a.m. - 12:00 p.m. - Large Animal

4 (FOUR) CE Hours | 1:00 p.m. - 5:00 p.m. - Small Animal

Location: The Inverness Hotel • 200 Inverness Dr. West • Englewood, CO 80111

Qualifications of the Instructors:

Dr. Zacharias was raised in Persia, Iowa on a farm raising corn, soybeans, and beef cattle, with both a cow/calf and feedlot operation. Dr. Zacharias showed cattle in 4-H and was active in FFA. He participated in calf roping, steer wrestling, and team roping in high schooled and roped calves in college. Dr. Zacharias attended Iowa State University, completing two years of coursework towards a degree in Animal Science before being admitted to the College of Veterinary Medicine. He graduated with a Doctor of Veterinary Medicine in 2003 from Iowa State University. In 2004, he completed an internship at Oakridge Equine Hospital in Edmond, Oklahoma. Here he gained extensive experience and exposure to equine surgery and lameness, motivating him to pursue a large animal surgical residency. Dr. Zacharias then moved to Lafayette, Indiana to complete this residency at the School of Veterinary Medicine at Purdue University. During this time, he obtained a Master's of Science Degree in Veterinary Clinical Medicine. He then went back to Iowa State University for a year as the Equine Emergency Surgeon. In 2009, he passed the board certification exam of the American College of Veterinary Surgeons. He spent two years in Katy, Texas at a private equine practice as a surgeon and clinician, prior to coming to CLAVS. In 2013, Dr. Zacharias passed the board certification exam of the American College of Veterinary Sports Medicine and Rehabilitation in Equine.



Dr. Josh Zacharias, DVM, MS,
DACVS, DACVSMR

Dr. Zacharias also attended Kentucky Horseshoeing school during the summer between his first and second year of vet school. He began to work with Dan White, CIF, who was the resident farrier at the veterinary school. This "apprenticeship" throughout the remaining three years of veterinary school gave him the experience in building corrective shoes and treating a vast array of cases that presented to the university teaching hospital. He also competed in a few horseshoeing and forging competitions. Dr. Zacharias enjoys therapeutic shoeing cases such as laminitic horses. His main interests are associated with lameness in the performance horse and all aspects of surgery.

Kevin K. Haussler graduated from The Ohio State University, College of Veterinary Medicine in 1988 and completed a small animal internship in Sacramento, CA. To further my training in the conservative management of spinal-related disorders, I pursued human training at Palmer College of Chiropractic-West and completed a veterinary chiropractic certification program in 1993. I attended the University of California-Davis to attain a PhD focusing on spinal pathology and pelvic biomechanics in Thoroughbred racehorses. Post-doctorate training involved evaluation of in-vivo spinal kinematics in horses at Cornell University. While at Cornell, I directed the newly formed Integrative Medicine Service which provided chiropractic, acupuncture and physical therapy services to both small and large animals. Currently, I am an Associate Professor at the Orthopaedic Research Center at Colorado State University and am involved in teaching, clinical duties, and research into the objective assessment of musculoskeletal pain, spinal dysfunction and the application of physical therapy and rehabilitation. I am a charter diplomate of the American College of Veterinary Sports Medicine and Rehabilitation and am currently a course instructor for the Equine Rehabilitation Certification course co-branded by the University of Tennessee and Colorado State University.



Dr. Kevin K. Haussler, DVM, DC, PhD
Diplomate, American College of
Veterinary Sports Medicine and
Rehabilitation

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Synopsis of Course (zoonotic, contagious & infectious diseases for the large and small animal):

Before being eligible for direct access to animal patients, both current and future Registered Animal Chiropractors shall complete an initial, one-time zoonotic/contagious/infectious reportable disease CE course consisting of eight hours of continuing education that prepares the registered animal chiropractor to recognize early indicators and clinical signs of Rabies, West Nile Virus, and Equine Herpesvirus Myeloencephalopathy in equine patients and early indicators and clinical signs of Rabies, Canine Brucellosis, Plague and Tularemia in dog patients. The course shall include one CE hour for each of the diseases listed above, and two CE hours for other reportable diseases reportable in Colorado and zoonotic diseases that occur in dogs and equine patients.

Learning Objectives: Chiropractors who take this initial course on zoonotic/contagious/infectious diseases reportable in Colorado will:

- Have a general understanding of diseases reportable in Colorado that may be found in dog and equine patients;
- Be able to identify the indicators of the six reportable diseases of concern listed below; and
- Make well-informed, sound decisions to cease chiropractic care until infectious, contagious and zoonotic diseases of concern can be ruled out, or the chiropractic and veterinary medical team, the state veterinarian or public health veterinarian determines other appropriate actions to prevent spread of zoonotic, infectious or contagious disease.

The following six diseases are included on the Colorado Department of Agriculture Reportable Disease List. The complete list of reportable diseases that can affect dogs and equines is more extensive and is not limited to the list of 6 diseases below. The Initial Course should review the full list and give brief mention of the clinical signs of all the diseases that could be encountered by Registered Animal Chiropractors in dogs and equines. The course should also prepare chiropractors to be alert to and report any disease that does not fit a normally-expected clinical picture, (i.e. a disease that is showing abnormal behavior).

The initial zoonotic/contagious/infectious reportable disease course should cover the following six diseases in depth-

1. Equine Herpesvirus Myeloencephalopathy (equines)
2. West Nile Virus (equids and dogs)
3. Rabies Virus (equids and dogs)
4. Plague (*Yersinia pestis*) (predominately dogs)
5. Canine Brucellosis (*Brucella canis*) (dogs)
6. Tularemia (*Francisella tularensis*) (dogs)

For each of the six above listed diseases the Initial Class should address the following learning objectives:

1. Pathology of the Disease
 - a. Causative agent
 - b. Route of transmission of disease (oral, nasal, direct contact, aerosol, etc...)
 - c. Incubation period

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Synopsis of Course (continued):

- d. Common veterinary treatment and prevention
2. Clinical Presentation of the Disease
 - a. Clinical signs of affected animals during the course of disease
 - i. How will an affected/sick animal present in a chiropractic evaluation?
 - ii. How do the signs mimic “normal chiropractic presentation”?
 - iii. How do the signs mimic “abnormal chiropractic presentation”? (How do you differentiate WNV from Wobbler’s Syndrome? EHM from disk disease?)
 - iv. What are the “hallmark clinical signs” of the disease? (i.e. – urinary incontinence in a horse is highly suspect for EHM, or discospondylitis in a dog is highly suspect for Brucella canis)
 - b. Typical history from the client – What questions to ask the client?
 - c. At what point does a Registered Animal Chiropractor hit the “pause button” to notify the attending veterinarian? The State Veterinarian’s Office?
 - d. When is the animal the most contagious? To humans? To other animals? For how long during disease presentation is the animal contagious?
 - e. What are the risks of the disease to people? To the client? To the Registered Animal Chiropractor?
 - f. What are the risks of the disease to other animals in the State? At the home/farm? At your office? At a show or gathering of other dogs/equines? During breeding?
3. Biosecurity Issues with the Disease
 - a. How do you prevent human infection during a chiropractic evaluation?
 - b. How do you prevent other animal infection during/after a chiropractic evaluation? How do you avoid taking the disease with you to the next patient?
 - c. How can you clean and disinfect your office?
 - d. What personal protective equipment (PPE) (if any) would be advisable?
4. Public Health Concerns of the Disease in Colorado
 - a. How is the disease spread to other people?
5. Herd Health Concerns of the Disease in Colorado
 - a. Is the animal a show animal? How does this disease impact a show?
 - b. Are there travel plans for the animal? How does this disease impact travel?
 - c. Is the animal a breeding animal? How does this disease impact breeding operations?

Expected Outcomes: Chiropractors who take this course will be prepared to assist in the protection of Colorado human health, the health of dog and equine patients, the health of the equine herd and the animal industry through the recognition of early indicators and clinical signs of Rabies, West Nile Virus, and Equine Herpesvirus Myeloencephalopathy in equine patients and early indicators and clinical signs of Rabies, Brucella Canis, Plague and Tularemia in dog patients.

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Course Title: Animal Chiropractic Jurisprudence

Date of Course: Saturday, October 6, 2018

CE Hours Applicable: 1 (ONE) CE Hour | 5:00 p.m. - 6:00 p.m.

Location: The Inverness Hotel • 200 Inverness Dr. West • Englewood, CO 80111

Qualifications of the Instructor:

Dr. Rachel Wendt, DC is a native of Illinois and has been living in Colorado since 2013. She graduated from Hope College (Holland, MI) with her bachelors in Exercise Science and completed her chiropractic degree from National University of Health Sciences. Dr. Wendt hesitantly left her growing practice in Illinois after making the decision to move to Colorado in an effort to explore other regions of the country. While waiting for her Chiropractic license from the Department of Regulatory Agencies (DORA), she joined the Colorado Chiropractic Association (CCA) as a volunteer, and quickly moved on to become a full time staff member. She has served as their Executive Director since 2016.



Dr. Rachel Wendt, DC

Synopsis of Course:

Current and future Registered Animal Chiropractors shall complete an initial, one-time jurisprudence CE course consisting of one hour of continuing education that addresses animal chiropractic statutory, regulatory and policy provisions before being eligible for direct access to animal patients. Learning Objectives: Chiropractors who take this course will have a clear understanding of and ability to comply with:

- Chiropractic Practice Act requirements for Registered Animal Chiropractors C.R.S. 12-33.
- Relevant reportable disease requirements issued by the Colorado Department of Agriculture and the Colorado Department of Public Health, and others C.R.S. 35-50-108.
- Relevant regulations for licensing and immunization of dogs and equine patients in their locations.
- Contact information for Colorado State Veterinarian's Office, Colorado Department of Public Health and Environment Public Health Veterinarian, and any other applicable reporting agencies.

Expected Outcomes: Chiropractors who take this course will have a clear understanding of and ability to comply with the Chiropractic Practice Act requirements for Registered Animal Chiropractors. They will have a clear understanding of and ability to comply with relevant requirements issued by the Colorado Department of Agriculture and the Colorado Department of Public Health. They will be aware of relevant regulations for licensing and immunization in their locations,

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