



Advanced Canine Orthopedic Sports Medicine & Regenerative Medicine Workshop

Sep 7-9, 2018 | Oquendo Center

Subject to change.

Day 1: Friday, September 7, 2018

Time	Topic	Instructor
8:00-9:00a	Introduction to Diagnostic Musculoskeletal Ultrasound This talk covers review of relevant normal anatomy and scanning tips for clinically relevant sport related injuries. This will offer special scanning techniques producing the best quality imaging of targeted areas. Applications, equipment, scanning principles, tendon, ligament, and muscle general traits, trauma presentation and healing assessment will be discussed.	Dr. D. Canapp
9:00-10:00a	Shoulder Musculoskeletal Ultrasound This talk covers introduction to concepts and techniques for diagnosing soft tissue sports-related injuries of the canine shoulder. This provides knowledge on how to utilize diagnostic ultrasound in clinically relevant musculoskeletal regions. The primary area of topic would include shoulder anatomy. Techniques and anatomical landmarks of the shoulder will be discussed.	Dr. D. Canapp
10:00-11:00a	Carpal/Tarsal Musculoskeletal Ultrasound This talk covers introduction to concepts and techniques for diagnosing soft tissue sports-related injuries of the canine carpal and tarsal areas. This provides knowledge on how to utilize diagnostic ultrasound in clinically relevant musculoskeletal regions. The primary area of topic would include carpal and tarsal anatomy. Techniques and anatomical landmarks of the carpal and tarsal areas will be discussed.	Dr. D. Canapp
11:00a-12:00p	Iliopsoas/Stifle Musculoskeletal Ultrasound This talk covers introduction to concepts and techniques for diagnosing soft tissue sports-related injuries of the canine iliopsoas and stifle. This provides knowledge on how to utilize diagnostic ultrasound in clinically relevant musculoskeletal regions. The primary area of topic would include iliopsoas and stifle anatomy. Techniques and anatomical landmarks of the iliopsoas and stifle will be discussed.	Dr. D. Canapp
12:00-1:00p	Lunch	
1:00-5:00p	Wet Lab - Musculoskeletal Ultrasound (shoulder, carpal, tarsal, iliopsoas, stifle) This lab covers introduction to concepts and techniques for diagnosing soft tissue sports-related injuries. This provides knowledge on how to utilize diagnostic ultrasound in clinically relevant musculoskeletal regions. The primary area of topic would include iliopsoas, stifle, shoulder, and carpal/tarsal areas. Techniques and anatomical landmarks will be demonstrated and practiced on cadavers.	

Day 2: Saturday, September 8, 2018

Time	Topic	Instructor
8:00-9:00a	PRP: Evidence Based Medicine Participants will learn an in-depth analysis of the platelet rich plasma (PRP) technology and current literature. A detailed description of PRP including a breakdown of the components, mechanism of actions, and biological activities will be discussed. The optimal PRP components (platelet concentrations, monocytes, lymphocytes, red blood cells, and neutrophils) will be covered. All commercially available canine PRP systems will be discussed in-depth and results of the multi-center prospective study comparing systems head-to-head will be presented.	Dr. S. Canapp
9:00-10:00a	Stem Cells: Evidence Based Medicine Participants will learn an in-depth analysis of the stem cell therapy technology and current literature. A detailed description of stem cell therapy technologies including adipose derived stromal vascular fraction (SVF), adipose derived cultured progenitor cells (ADPC), bone marrow aspirate concentrate (BMAC), cultured bone marrow derived stem cells, and allogenic cells will be discussed. Commercially available patient-side canine stem cell systems and mail-out stem cell companies will be discussed along with pros and cons of each technology addressed.	Dr. S. Canapp
10:00-11:00a	How to Incorporate Regenerative Medicine Into Your Practice This talk covers introduction to concepts and techniques for diagnosing soft tissue sports-related injuries of the canine carpal and tarsal areas. This provides knowledge on how to utilize diagnostic ultrasound in clinically relevant musculoskeletal regions. The primary area of topic would include carpal and tarsal anatomy. Techniques and anatomical landmarks of the carpal and tarsal areas will be discussed.	Dr. S. Canapp
11:00a-12:00p	Intra-articular Injections for Osteoarthritis Participants will learn various products and technologies currently available for intra-articular treatment of osteoarthritis (OA) in the canine. Products and technologies for the treatment of OA in dogs will include hyaluronic acid (HA), cortisone, biologics, and regenerative therapies (platelet rich plasma and stem cell therapy). Specific product description treatment protocols and processing will be included. The specific anatomical injection site landmarks will also be discussed (shoulder, elbow, carpus, hip, stifle, and hock).	Dr. S. Canapp
12:00-1:00p	Lunch	
1:00-1:30p	Wet Lab - Platelet Rich Plasma (PRP) Collection and Processing Attendees will learn collection techniques for platelet rich plasma (PRP) in a clinical setting. Attendees will also learn and practice effective processing techniques.	
1:30-2:00p	Wet Lab - Stem Cell Therapy Collection and Processing Attendees will learn and practice proper collection techniques for bone marrow aspiration. Attendees will learn in-house processing techniques for bone marrow aspirate to cover a variety of uses and indications. Attendees will understand techniques through cadaver work.	
2:00-4:00p	Wet Lab - Intra-Articular PRP/SCT/HA Injections	

Attendees will learn and practice concepts and techniques for intra-articular regenerative medicine injections, including hyaluronic acid (HA), stem cell (SCT), and platelet rich plasma (PRP) injections for the shoulder, elbow, carpus, hip, stifle, and hock. Attendees will learn principles for clinically-relevant intra-articular regenerative medicine injections in a clinical setting.

4:00-5:00p

Wet Lab - Musculoskeletal Ultrasound Guided PRP/SCT Injections

Attendees will learn and demonstrate scanning principles, landmarks, and applicable injection sites and techniques.

Day 3: Sunday, September 9, 2018

Time	Topic	Instructor
8:00a-12:00p	Diagnostic Needle Arthroscopy Attendees will learn concepts and techniques for diagnostic needle scope (needle arthroscopy), which is a tool for diagnosing intra-articular pathology as well as a diagnostic tool for objective follow-up.	Dr. S. Canapp
12:00-1:00p	Lunch	
1:00-5:00p	Wet Lab - Diagnostic Needle Scope Attendees will learn practice techniques for diagnostic needle scope (needle arthroscopy), which is a tool for diagnosing intra-articular pathology as well as a diagnostic tool for objective follow-up. Techniques and anatomical landmarks of the shoulder, elbow, and stifle will be discussed.	

WVC uses canine and feline cadavers in continuing education laboratories. The animals used have been humanely euthanized at an animal shelter for reasons unrelated to the educational laboratory.