FINLAND SEMINAR PROGRAM

Seminar venue: Wiurila Manor, Viurilantie 126, 24800 Halikko (Salo),
http://www.wiurilankartano.fi/en/
Seminar dates: Friday 11.8.2017

	Seminar
8:30 – 9:00	Registration
9:00 – 9:50	Forelimb Lameness, Where Do We Start? – Dr. Sherman Canapp
9:50 – 10:40	Hind Limb Lameness, Where Do We Start? – Dr. Sherman Canapp
10:40 – 10:50	Break
10:50 – 11:40	Musculoskeletal Diagnostic Ultrasound for Sports Related Injuries – Dr. Debra Canapp
11:40 – 12:30	Musculoskeletal Ultrasound as a Guide for Canine Rehabilitation – Dr. Debra Canapp
12:30 – 1:30	Lunch
1:30 – 2:20	How to Incorporate Platelet Rich Plasma (PRP) Into Your Practice – Dr. Sherman Canapp
2:20 – 3:10	How to Incorporate Stem Cell Therapy Into Your Practice – Dr. Sherman Canapp
3:10 – 3:20	Break
3:20 – 4:10	Intra-articular Injections for Osteoarthritis – Dr. Sherman Canapp
4:10 – 5:00	Rehabilitation Therapy Following Regenerative Medicine - Dr. Debra Canapp

Lecture Summaries:

"Forelimb Lameness, Where Do We Start?" – Dr. Sherman Canapp
This lecture includes an in-depth overview of challenging forelimb conditions. Conditions including supraspinatus tendinopathy, medial shoulder syndrome, traumatic fragmented medial coronoid process (jump down syndrome) will be discussed. Orthopedic examination findings including passive and dynamic testing, gait analysis, and advanced diagnostic techniques will be described in the lecture. Treatment options including rehabilitation therapy, surgical treatments and regenerative medicine therapies will be discussed. Where appropriate, orthopedic devices will be discussed and demonstrated. Return to function, retraining, and prevention will also be included.

"Hind limb Lameness, Where Do We Start?" – Dr. Sherman Canapp
This lecture includes an in-depth overview of challenging hind limb conditions. Conditions including iliopsoas strains, cranial cruciate ligament insufficiency, meniscal injuries will be discussed. Orthopedic examination findings including passive and dynamic testing, gait analysis and advanced diagnostic techniques will be described in the lecture. Treatment options including rehabilitation therapy, surgical treatments and regenerative medicine therapies will be discussed. Where appropriate, orthopedic devices will be discussed and demonstrated. Return to function, retraining,

and prevention will also be included.

"Musculoskeletal Diagnostic Ultrasound for Sports Related Injuries" –Dr. Debra Canapp
This talk introduces concepts, techniques, and 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.

"Musculoskeletal Ultrasound as a Guide for Canine Rehabilitation" –Dr. Debra Canapp
This talk covers introduction to concepts and techniques for diagnosing thru to monitoring soft tissue sports-related injuries during the rehabilitation process. It will provide knowledge on how to utilize ultrasound in clinically relevant musculoskeletal regions. Case based presentation will take the attendee through how to modify their rehabilitation program depending on the stage of healing of the injury based on diagnostic ultrasound assessment.

"How to Incorporate Platelet Rich Plasma (PRP) Into Your Practice" – Dr. Sherman Canapp
This lecture includes an in-depth overview of the use of platelet rich plasma (PRP) therapy for the treatment of various orthopedic conditions in dogs. A detailed description of PRP including a breakdown of the components, mechanism of action, 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. PRP collection, processing, and injection techniques will be described. Indications for use including osteoarthritis, tendon, and ligament injuries will be discussed. PRP treatment protocols will be shared and post-injection rehab programs will be described for the various conditions and treatments.

"How to Incorporate Stem Cell Therapy Into Your Practice" – Dr. Sherman Canapp
This lecture includes an in-depth overview of the use of stem cell therapy for the treatment of various orthopedic conditions in dogs. 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 allogeneic 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. Adipose and bone marrow collection, processing, and injection techniques will be described. Indications for use including osteoarthritis, tendon, and ligament injuries will be discussed. Stem cell treatment protocols will be shared and post-injection rehabilitation programs will be described for the various conditions and treatments.

"Intra-articular Injections for Osteoarthritis" – Dr. Sherman Canapp
This lecture includes an in-depth discussion of the various products and technologies currently available for intra-articular treatment of osteoarthritis in the canine. Products and technologies for the treatment of osteoarthritis 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).

Workshop venue: HYT Areena, Maorlantie 1, 24800 Halikko (Salo), http://www.ehyt.info/etusivu
Workshop dates: Saturday 12.8.2017 or Sunday 13.8.2017

Workshop program:

	Day 2 & Day 3 (Day 1 – seminar)
8:30	Registration
9:00	"Soft Tissue Forelimb and Hind limb Injuries Review" – Dr. Sherman Canapp
9:30	Forelimb Palpitation Laboratories – Drs. Sherman and Debra Canapp, Dr. Tiiu Toijala
10:00	Hind limb Palpitation Laboratories – Drs. Sherman and Debra Canapp, Dr. Tiiu Toijala
10:30	Break
10:45	"Diagnostic Musculoskeletal Ultrasound" lecture – Dr. Debra Canapp
12:00	Lunch
1:00	Diagnostic Musculoskeletal Ultrasound Laboratories – Dr. Debra Canapp
2:30	Break
2:45	"Intra-articular Injections Review" lecture – Dr. Sherman Canapp
3:15	Platelet Rich Plasma & Bone Marrow Aspiration Collection & Processing Laboratories – Dr. Sherman Canapp
3:45-5:30	Intra-articular Injections Laboratories – Dr. Sherman Canapp

Lecture/Laboratories Summaries:

"Soft Tissue Forelimb and Hind limb Injuries Review" –Dr. Sherman Canapp
Forelimb and hind limb soft tissue injuries are common and can be challenging to diagnose. This lecture covers a review of the most common sprains and strains and the various techniques utilized to determine the diagnoses. Clinical presentation, lameness assessment, physical exam, diagnostics, and various treatment options ranging from rehab to surgery to regenerative medicine will be discussed.

Forelimb and Hind Limb Laboratories
Attendees will learn proper palpitation techniques in exams for common forelimb conditions (including shoulder, elbow, and carpus injuries) and hind limb conditions (hip, stifle, and tarsus injuries) with live dogs.

"Diagnostic Musculoskeletal Ultrasound" –Dr. Debra Canapp
This talk covers review of scanning tips for diagnostic musculoskeletal ultrasound. This will offer special scanning techniques producing the best quality imaging of targeted areas. Applications,

equipment, scanning principles, tendon, ligament, artifacts, and muscle general traits, trauma presentation and healing assessment will be discussed.

Diagnostic Musculoskeletal Ultrasound Laboratories
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.

"Intra-articular Injections Review"–Dr. Sherman Canapp
This lecture includes a review of the various products and technologies currently available for intra-articular treatment in the canine. Products and technologies 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).

Platelet Rich Plasma & Bone Marrow Aspiration Collection & Processing Laboratories
Attendees will learn collection techniques for platelet rich plasma (PRP) and bone marrow aspiration in a clinical setting. In-house processing techniques will be discussed and demonstrated.

Intra-Articular Injections Laboratories
Attendees will learn and practice concepts and techniques for intra-articular regenerative medicine injections, including platelet rich plasma, bone marrow aspiration, and hyaluronic acid injections for the shoulder, elbow, carpus, hip, stifle, and hock. Attendees will practice principles for clinically-relevant intra-articular regenerative medicine injections in a clinical setting on cadavers.