



Building A Future In Orthopaedics

A-Z of Courses



Our Mission

Our mission is to provide high quality, accessible training for veterinary surgeons. Using suitably qualified and accomplished surgeons from around the world, our courses range from specialist orthopaedic procedures, such as Tibial Tuberosity Advancement (TTA) and locking plate application, to Lateral Suture, Patella Luxation and Introduction to Orthopaedics.

Our courses place a great deal of emphasis on practical experience, and we offer wet and dry labs wherever possible. This provides hands-on experience with the equipment and the procedure, without the stress of a live patient.

Our aim is to ensure that the delegates leave with the knowledge to confidently perform the procedures when back in practice, and we have an excellent network of specialist surgeons who will advise, discuss or critique their cases following the courses.

If you are interested in attending one of our workshops, please join our mailing list by emailing your name, practice details and areas of interest to info@securos.co.uk

Book two consecutive courses and get **FREE** accommodation and dinner

Speakers

Dr Kinley Smith

**MA VETMB PHD CERTSAS DIPECVS
MRCVS European specialist in small
animal surgery**

Kinley graduated from Cambridge Vet School in 2000 and worked in small animal practice where he gained a certificate in Small Animal



Surgery. This was followed by a PhD in cruciate ligament disease at University of Liverpool. He subsequently became Resident in Small Animal Surgery at Glasgow Vet School, from which he qualified as an ECVS Diplomate. Kinley's areas of clinical interest are traumatology and critical care; surgical and medical management of joint disease; wound management; and reconstructive surgery.

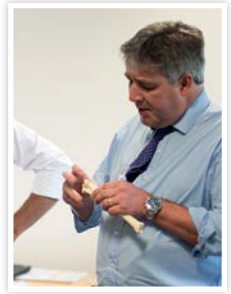
Duncan Midgley

BVMS CERTSAO MRCVS

Duncan graduated from Glasgow in 1991 and achieved his certificate in small animal orthopaedics in 1996.

He is a clinical director at Rutland House Referrals, St Helens where he has worked in orthopaedics for over 20 years.

His interests lie in all areas of orthopaedics and traumatology; specifically, cranial cruciate disease, application of locking plates, plate rod systems, and novel treatment for canine hip disease.



Prof. Filippo Maria Martini

DVM

Filippo is an Associate Professor of Veterinary Surgery at the University of Parma, Italy.

He graduated in Veterinary Medicine in 1993 and earned

a PhD in Orthopaedics of Domestic Animals in 1997. Filippo has been elected President of the Italian Society of Veterinary Orthopaedics and is also an Ambassador Member of AOVET. He is an author of some 80 works published in national and international journals.

His interests are orthopaedics and traumatology in dogs and cats, with a special focus on articular pathologies.



Courses

TTA Using Xgen (Forkless) Plate

Xgen
AmerisourceBergen

This course has been designed to be highly practical, offering the opportunity to practise the technique twice, once on a saw bone and then in the wet lab.

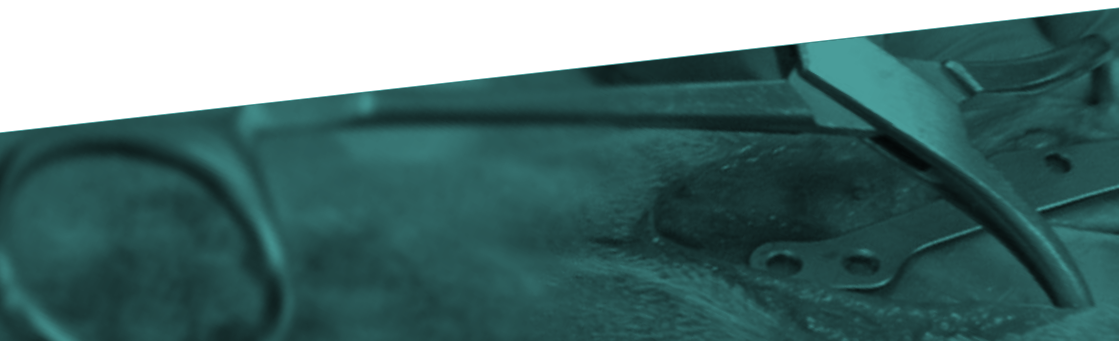
TTA has become one of the preferred techniques used in orthopaedic practice for the treatment of cranial cruciate ligament disease. It is more invasive than some of the other techniques and involves an osteotomy. We strongly recommend attending a practical course before attempting this technique.

Securos Orthopaedic Institute has trained many veterinary surgeons worldwide to a level where they feel confident to use this technique in practice.

In the morning session we will initially focus on the pathophysiology of cranial cruciate ligament disease and the theory that surrounds TTA. In addition, there will be an opportunity to practise using digital imaging software.

Course Objectives:

- Biomechanics of the cruciate ligament deficient stifle and tibial tuberosity advancement
- Patient assessment and selection of candidates for surgery
- Pre-operative surgical planning and implant selection
- Familiarisation with, and appropriate use of, TTA instrumentation
- Surgical technique taught in a dry lab and wet lab
- Post-operative management of patients
- Potential complications and how to deal with them



Cranial Closing Wedge Osteotomy (CCWO)

Cranial Closing Wedge Osteotomy has become a popular technique for the treatment of canine cranial cruciate ligament disease in dogs that have a steep tibial plateau or joint angle, such as West Highland Terriers. It can also be a preferred method of treatment in smaller dogs where techniques like TTA may be difficult. In the morning session we cover the key objectives before practicing the technique on saw bone and then in the wet lab for a hands-on practical.

Course Objectives:

- To understand the biomechanics of the cruciate ligament deficient stifle and cranial closing wedge Osteotomy
- To understand patient assessment and the selection of candidates for CCWO
- To understand pre-operative surgical planning and implant selection
- To develop familiarisation with and appropriate use of instrumentation
- To understand the post-operative management of patients
- To identify potential complications and how to avoid/deal with them
- To learn and practice the surgical technique taught in a dry lab and wet lab



Xray images provided by Neil Burton BVSc, DSAS (Orth), CertSAS, PGCert (TLHE), FHEA, MRCVS

PAX
AmerisourceBergen



Intermediate Fracture Management Forelimb (Day One)

We start the morning by discussing the methods used to stimulate bone healing. This is followed by a session examining the decision making process that influences our choice of approach and implant system. We will examine our approach to clinical cases, starting with our pre-operative evaluation, and look at the factors that could influence our post-operative management, fracture healing and complications.

We conclude the morning session with approaches to specific fractures of the radius/ulna and humerus, and case studies. Delegates are invited to bring their own cases for discussion in this segment.

The wet lab practical session will include surgical approaches to humeral shaft, condylar fractures and distal radial fractures particularly in toy breeds.

Course Objectives:

- Bone grafting and the synthetic alternatives to cancellous grafts
- Understanding the regional anatomy of, and applying it to, the surgical approaches to the humerus and radius
- Understanding the biomechanics of implant systems used in the treatment of fractures of the humerus and radius and ulna
- Decision making in the selection of implant systems
- Treating complications associated with forelimb fracture repair
- Practical application of implant systems to the humerus and radius in the wet lab using PAX and traditional compression plates



Intermediate Fracture Management Hindlimb (Day Two)

The second day of the course will focus on fractures of the hindlimb. We will start with a session on the development and use of minimally invasive fracture repair techniques.

This will be followed by the approach to the management of specific fractures of the hindlimb and pelvis, including comminuted tibial shaft, fractures of the malleolar, sacroiliac luxations and iliac shaft fractures, as well as complex femoral fractures and non-unions.

The afternoon will be devoted to the application of these techniques in the wet lab.

During the wet lab practical we will be using the PAX locking system as well as traditional compression plates.

Course Objectives:

- Understanding the regional anatomy of, and applying it to, the surgical approaches to the pelvis, femur and tibia
- Understanding the biomechanics of implant systems used in the treatment of fractures of the pelvis, femur and tibia
- Decision making in the selection of implant systems
- Treating complications associated with hindlimb fracture repair
- Practical application of implant systems to the pelvis, femur and tibia



Tibial Plateau Levelling Osteotomy (TPLO)

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Tibial plateau levelling osteotomies have become popular techniques for the treatment of canine cranial cruciate ligament disease. Whilst it is more invasive than some of the other techniques and involves an osteotomy, there is some evidence that it may produce better results than other surgeries long term. We strongly recommend attending a practical course before attempting these techniques.

Securos Orthopaedic Institute has trained many veterinary surgeons worldwide to a level where they feel confident to use what they have learned on the course in their clinical practice.

In the morning session we will initially focus on the pathophysiology of cranial cruciate ligament disease, the biomechanics of TPLO and surgical planning of the technique. In addition, there will be an opportunity to practise planning using digital imaging software.

The afternoon and following morning sessions will focus on familiarity with the instrumentation on sawbones and an opportunity to practice the technique in a wet lab.



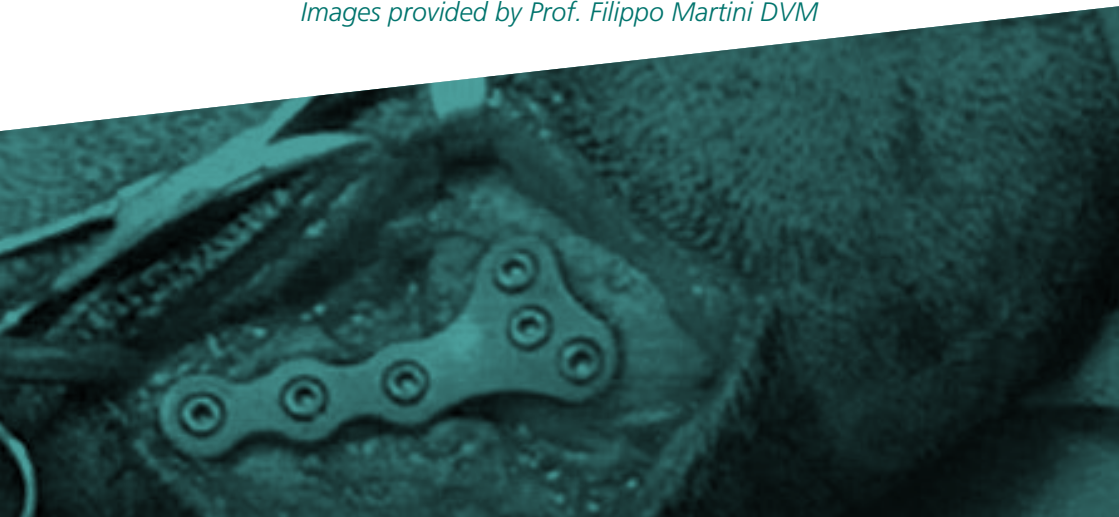
Image provided by Jeff Brouman, DVM, MS, DACVS, WestVet – Idaho

Course Objectives:

- To understand the biomechanics of the cruciate ligament deficient stifle and tibial plateau levelling osteotomy
- To understand patient assessment and the selection of candidates for TPLO
- To understand pre-operative surgical planning and implant selection
- To develop familiarisation with and appropriate use of instrumentation
- To understand the post-operative management of patients
- To identify potential complications and how to avoid and deal with them
- To learn and practice the surgical technique taught in a dry lab and wet lab



Images provided by Prof. Filippo Martini DVM





Double Pelvic Osteotomy (DPO)

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Double Pelvic Osteotomy (DPO) is a surgical technique for early treatment of Canine Hip Dysplasia (CHD) in growing dogs.

DPO is a technical evolution of Triple Pelvic Osteotomy that provide ilium and pubic osteotomy (avoiding ischium osteotomy) and ventro-lateral displacement of the acetabulum obtaining better coverage of the femoral head and avoiding active hip subluxation that happens in young dog with hips laxity secondary to CHD.



Avoiding continue episodes of active subluxation in young dogs of hip laxity secondary to CHD, DPO limits the development of the pathology and of DJD.

Iliac DPO osteotomy is stabilised by a dedicated plate and the technique is safer and with less post-surgical morbidity in comparison to TPO.

DPO candidates are young dogs between 5 and 8 month with early signs of CHD as joint laxity and active joint subluxation; during the course will define clinical and x-ray criteria for patient selection.

In the morning session we cover the key objectives before practicing the technique on saw bone and then in the wet lab for a hands-on practical.

Course Objectives:

- To understand the significance and the biomechanics of joint laxity in Canine Hip Dysplasia
- To understand patient assessment and the selection of candidates for DPO
- To understand clinical and x-rays steps for early diagnosis of CHD in growing dogs
- To familiarize with surgical anatomy of pelvis
- To develop familiarisation with and appropriate use of instrumentation
- To learn and practice the surgical technique taught in a dry lab and wet lab
- To understand the post-operative management of patients
- To identify potential complications and how to avoid/deal with them



Basic Principles of Fracture Repair

Day 1 Dry Lab Practical and Theory

This course is designed to build confidence in orthopaedics. In the morning session we will look at the diagnosis and treatment of common orthopaedic injuries that occur in day-to-day practice.

The main focus will be on fracture planning and methods of repair; these will encompass internal fixation methods including cerclage wire and tension bands, lag screw, I/M pin, plating and combinations of these.

We will familiarise you with specialist orthopaedic instrumentation and have the opportunity to use it in the practical dry lab afternoon session that will be structured around the morning's content.

Course Objectives:

- Familiarisation with standard nomenclature of implant systems
- Understanding the biomechanics of basic fractures
- Understanding the mechanics of implant systems
- Logical approach to patient management and assessment
- Familiarisation of the regional anatomy of the long bones
- Application of implant systems



Basic Principles of Fracture Repair

Day 2 Wet Lab Practical and Theory

The second day of the course will familiarise ourselves with approaches to the tibia, radius and ulna and femur before referring to a practical workbook to practice the application of compression plates in simple transverse fractures and plate rod in comminuted fractures.

This course is aimed to be highly practical spending most of the day in the lab.

Course Objectives:

- Understanding the regional anatomy of, and applying it to, the surgical approaches of long bones.
- Understanding the biomechanics of implant systems used in the treatment of fractures of the humerus and radius and ulna
- Decision making in the selection of implant systems
- Treating complications associated with forelimb and hind limb fracture repair
- Practical application of compression plates





PAX Masterclass

PAX

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The PAX locking system has become an accepted treatment option for common fracture repair, the PAX master class aims to take veterinary surgeons who have some experience with locking systems and help them to apply their knowledge in dealing with more challenging situation.

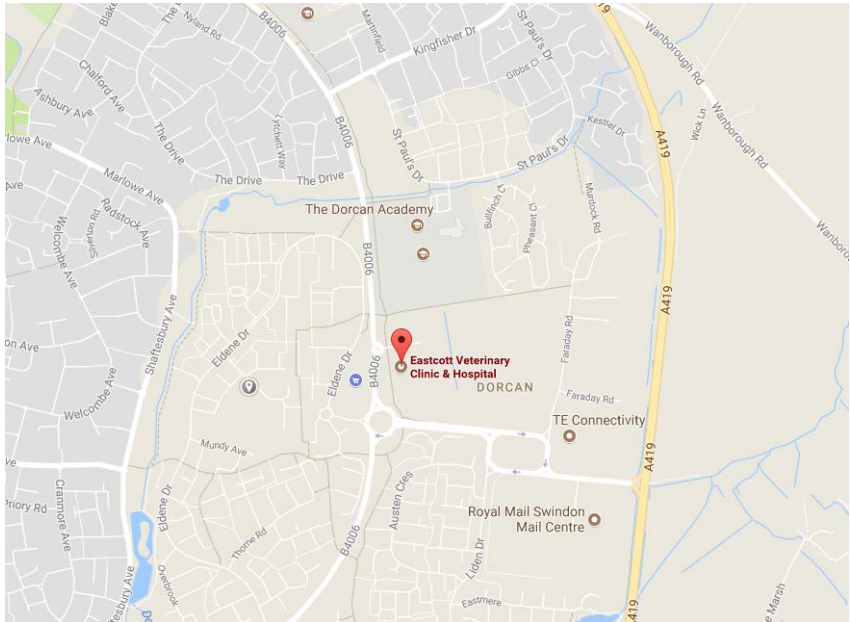
As this course is aimed at surgeons with some experience with locking systems, we will have a more limited lecture programme in order to focus on the fractures created in the wet lab and discussion.

Course Objectives:

- Review mechanics and application of PAX system
- Review the surgical approaches to humerus, femur and tibia
- Apply the PAX system to:
 - > Comminuted femoral shaft fractures
 - > MIPO application to tibia
 - > Lateral condylar and Y fractures of the humerus



How To Find Us



Central CPD Skills Lab - London Waterloo

**Eastcott Veterinary Clinic & Hospital - Edison Business Park, Hindle Way,
Off Dorcan Way, Swindon, Wiltshire**

Sat Nav Users: Please use postcode SN3 3FR

Testimonials

"Excellent, the super speakers are very approachable and helpful."

"Very comprehensive and practical. I feel confident to venture into doing."

"It rates as one of the best I've attended in 28 years!"

"I thought the course was excellent. It gave me a thorough background to the system and techniques, indications and pitfalls. The practical was well resourced and was sufficient to feel fully confident to start using the system in clinical cases."

