



EQUINE ARTHRITIS

Diagnosis and New Technology

A GLOBAL APPROACH TO EQUINE ARTHRITIS

EQUINE ARTHRITIS EVENT

20th – 21st MARCH 2020

Crockstead Farm Hotel Uckfield East Sussex BN8 6PT

KEY TOPICS

- Early diagnostics in arthritic horses
- Diagnosis and identifying arthritic lameness
- Nutrition and its effect on arthritis
- Stem cells – what is the future for them?
- Overview in current imaging modalities
- Inflammation and resolution in soft tissue joint disease
- Truly correct equine movement and its relevance to performance
- Early intervention in foals – getting it right from day one
- Streamed wet-lab sessions: practical cadaver joint injections and distal limb dissection
- Pulling it all together – gait analysis case study session followed by 'How to proceed' panel discussion

PROGRAMME DAY ONE, 20 MARCH

DIAGNOSIS

9.15am	STREAMED Keynote speaker presentations	
9.35am	Early diagnostics in arthritic horses A general overview on the work that has been undertaken and is being carried out to diagnose early equine osteoarthritis (biomarker discovery), to identify therapeutic targets (by understanding the underlying mechanisms of osteoarthritis), to stratify equine osteoarthritis and, to treat osteoarthritis (extracellular vesicle studies).	Professor Mandy Peffers Wellcome Trust Clinical Intermediate Fellow University of Liverpool
10.20am	Equine lameness – a systematic guide on how to reach diagnosis	Andrew Crawford Director Sussex Equine Hospital
11.30am	Coffee and Trade Exhibition	
12.00pm	Nutritional impact on immune function Most people are aware of the substantial effects that nutrition, weight management, and the microbiome can have on body systems. This presentation goes some way to try to explain those effects and demonstrate how nutrition can support these systems without exacerbating undesirable effects.	Dr Helen Warren European Technical Manager Alltech
12.45am	Lunch and Trade Exhibition	
2.00pm	Imaging in arthritis An overview of current imaging modalities. Besides demonstrating the appearance of arthritic changes on images, this presentation will also highlight the pros and cons of the different modalities; helping to decide when to use which image modality and how horses could benefit from it.	Dr Dagmar Berner Lecturer Equine Diagnostic Imaging RVC
PRACTICAL WET-LAB SESSIONS – STREAMED		
	VETERINARY SURGEONS	OTHER PROFESSIONALS
2.45pm	Practical – joint injections into cadaver limbs Details to be confirmed	Distal limb dissection – joint pathology the inside story Andrew Casserly FWCF
4.30pm	Tea and Trade Exhibition	

SPEAKER PROFILES

Prof Mandy Peffers BSc MPhil PhD BVetMed FRCVS

Mandy has a degree in Animal Science from the University of Leeds, after which she completed her veterinary degree at the RVC in 1995. She spent 11 years in industry and private practice before returning to do her PhD and is currently a Wellcome Trust Clinical Intermediate Fellow studying 'The role of small nucleolar RNAs in cartilage ageing and disease'.

Andrew Crawford Cert ES (Orth), Dip ECVS, MRCVS

Andrew has published in peer-reviewed journals on topics including orthopaedic surgery and regenerative therapy for musculoskeletal injuries, has co-authored a chapter on equine orthopaedics, and has presented at conferences both internationally and within the UK. He works predominantly in orthopaedics as an equine surgeon in West Sussex.

Dr Helen Warren

After completing her PhD Helen spent five years lecturing to degree students

in animal and equine science before moving to industry. She is a trustee of the British Society of Animal Science, a qualified lecturer and a registered Animal Scientist. At Alltech she initiates European research projects, as well as delivering nutritional education and technical sales support.

Dr Dagmar Berner DrMedVet, Dipl. ECVDI, MRCVS

After graduating from the University of Leipzig Dagmar finished her residency in diagnostic imaging in 2015. She worked at the University in Vienna before joining the Equine Referral Hospital of the RVC in 2017, where she works as a lecturer in large animal diagnostic imaging. Dagmar holds the Diplomate of the ECVDI and a DrMedVet. Her research interests are diagnostic imaging of orthopaedic diseases in the equine distal limb with different modalities.

Andrew Casserly FWCF

Andrew trained with Michael Cerullo RSS and passed his RSS in 1978. He achieved the AWCF in 1984. He has trained 15 apprentices including his two sons, Jack and Ben, who now run the

family business and work closely with local equine vets in remedial cases. Andrew is a well known and successful competitor in shoeing competitions nationally and internationally. He is a Worshipful Company of Farriers examiner and judge and, gained his Fellowship of the Worshipful Company of Farriers in 2018.

Dr Debbie Guest BSc (Hons) PhD

Debbie gained a BSc in Genetics at the University of Leeds, followed by a PhD on the transcriptional control of neuronal differentiation in stem cells completed in 2005. She joined the Equine Fertility Unit in Newmarket as a post-doctoral scientist to derive and characterise equine embryonic stem cells. She continued this work when she moved to the Animal Health Trust in 2007, where she began to investigate the therapeutic potential of embryonic stem cells for treating horse tendon injuries. Her research group is now also conducting research to derive stem cells from horses and dogs with inherited diseases. These stem cells are being used to provide in vitro models

to study the diseases and aid the future development of new drugs for their treatment

Dr Jane Nixon MA Vet MB BSc MRCVS

Jane is a consultant equine vet to elite studs and world-class training establishments. She is BEF Director of Equine Development, and head vet to the Futurity and Bridge schemes examining on average 500 foals to 5 year olds annually. She is Chair of the BEF Horse Health Steering Group promoting equine biosecurity.

Fiona Bloom MSc BSc (Hons) MCSP MHCPC ACPAT Cat A

Fiona qualified as a chartered human physiotherapist in 2007 and spent 2 years working in acute care in the NHS before completing her MSc in Veterinary Physiotherapy at the Royal Veterinary College, University of London in 2011. She works in both human and veterinary physiotherapy, travelling internationally for competition horses. She is currently studying her PhD in Lameness in Endurance Horses.

PROGRAMME DAY TWO, 21 MARCH

TREATMENT AND PREVENTION

9.00am	"Truly correct" equine movement – the scientific answer and its relevance to performance enhancement and, osteoarthritis prevention and management. How this understanding can be taught and applied to help all aspects of the equine industry optimise equine posture and movement, aiding injury and osteoarthritis arthritis prevention and, performance enhancement.	Gavin Scofield D.O., Equine Osteopath
9.45am	Early intervention in foals – getting it right from day one. A collaborative approach to ensuring the best possible outcome from birth to four year old. Good conformation is just the beginning. The influence of good nutrition and correct foot balance to promote healthy development cannot be underestimated.	Dr Jane Nixon Dean Dibsall AWCF Emma Short, Nutritionist
11.00am	Coffee and Trade Exhibition	
	STREAMED PRESENTATIONS	
11.30am	Keynote speaker presentations	
	VETERINARY SURGEONS	OTHER PROFESSIONALS
11.45am	Stem cells – what is the future for them? Embryonic stem cells - Dr Debbie Guest Autologous stem cells - Dr Jay Dudhia Allogenic stem cells - Dr Jan Spaas	How can trimming and shoeing help the arthritic horse? Dean Dibsall AWCF
12.15am		An all encompassing approach to equine arthritis – looking at how mobility, strength, stability and flexibility can improve and maximise the performance and comfort of the ridden horse and, the team work required to achieve this. Fiona Bloom MSc BSc (Hons) MCSP MHCPAC ACPAT Cat A
1.00pm	Lunch and Trade Exhibition	
2.30pm	Inflammation and resolution in soft tissue joint disease – this research focuses on identifying the mechanisms underpinning the development of chronic inflammation and fibrosis in soft tissue disease of the joint. The over-arching goal is to discover novel therapeutic strategies to promote resolution of inflammation in chronically inflamed soft tissues of the joint, with a particular focus on tendinopathy and frozen shoulder. Prof Stephanie Dakin PhD BVetMed MRCVS	Panel discussion: Keeping the arthritic horse sound Suzannah Povey White Fiona Bloom Dean Dibsall Emma Short Jane Nixon
3.15pm	Pulling it all together – Interactive gait analysis and case study session followed by panel discussion incorporating 'What happens when the drugs don't work'	Dr.-Ing. Thilo Pfau, Royal Veterinary College Andrew Crawford and panel
5.15pm	End of conference	

Dr Jay Dudhia BSc (Hons) PgCert(VetEd) PhD FHEA
 Following pioneering studies at the RVC that led to the clinical use of MSCs for tendon injuries in the horse, Jay has established a Veterinary Medicine Directorate approved stem cell laboratory for the expansion and preparation of clinical grade MSCs for the equine and dog clinics to treat tendon and articular joint injuries. He acts as an examiner, both internal (University of London) and external for PhD or MSc/ MRes oral exams. He is currently external examiner for the MRes programme at the University of Liverpool.

Dr Jan Spaas PhD DVM
 Jan obtained a PhD scholarship

from Flanders Innovation and Entrepreneurship (VLAIO) then completed his PhD research at the Department of Comparative Physiology and Biometrics in the Faculty of Veterinary Medicine, Ghent University.

He co-founded Global Stem cell Technology (GST) to develop regenerative therapies for the treatment of musculoskeletal diseases in horses and dogs. He developed the first veterinary stem cell product that has been recommended for marketing authorisation in Europe.

Jan Spaas is inventor of 8 patents and key author of more than 25 peer-reviewed scientific publications.

Professor Stephanie Dakin PhD BVetMed MRCVS

After graduating as a veterinary surgeon from the RVC Stephanie undertook an internship specialising in equine orthopaedics at the Animal Health Trust, then spent 5 years in practice as an equine veterinary clinician.

She completed her PhD at the RVC researching the role of inflammation in equine tendinopathy, then moved to NDORMS, University of Oxford to translate her research from horse to human.

Gavin Scofield D.O.

Gavin is an International equine osteopathic pioneer who has been working with performance horses

throughout the world for the last 28 years, including over ten years with one of the British Equestrian teams.

Dr.-Ing. Thilo Pfau

After graduating in Information Technology from the Technical University of Munich Thilo completed his PhD, followed by a two year postdoc at the International Institute of Computer Science, Berkeley, California.

Thilo is Senior Lecturer in Bio-Engineering in the Department of Veterinary Clinical Sciences focussing on applied locomotor biomechanics and, is pioneering a multi-sensor GPS-enhanced gait analysis system.

HOW TO REGISTER

WEB:

www.pkwevents.co.uk

EMAIL:

info@pkwevents.co.uk

TWO
DAYS
ATTENDANCE
WILL EQUAL
15 HOURS
CPD

CONFERENCE PRICING

	20th March (one day)	21st March (one day)	Two days
Early Bird (until 1st Feb 2020)	£175	£175	£325
Student Price	£150	£150	£275
Normal Price	£200	£200	£350

WHO SHOULD ATTEND

Equine Arthritis: Diagnosis and New Technology was conceived to bring together not only the treating veterinary surgeons, but also those front line professionals most likely to have that vital first encounter with patient and owner. It will also provide valuable CPD for vets, practitioners and paraprofessionals working with equine arthritis.

This event is aimed at all equine or mixed practices, as it will provide excellent, high-level clinical research, alongside practical information to implement day-to-day. We have streamed some sessions to provide targeted, and appropriate content for vets and other professionals.

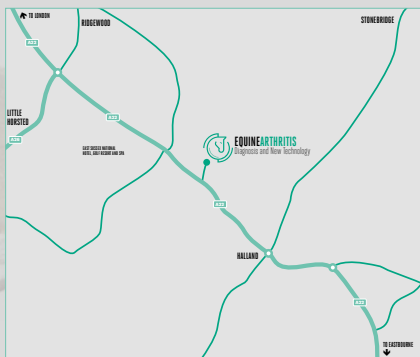
Professionals that should be attending include:

- Vets
- Vet Nurses
- Physiotherapists
- Chiropractors
- Osteopaths
- Sports Massage Therapists
- Saddlers
- Saddle fitters
- Farriers
- Apprentices

HOW TO GET THERE

Crockstead Farm Hotel, Eastbourne Road, Halland, BN8 6PT

Excellent links from M25 and M23. Mainline train station at Uckfield. Rooms available at the venue and at The East Sussex National Golf Resort 2 miles away.



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