

Locomotion in Practice 2023

WHERE SCIENCE MEETS PRACTICE ON MUSCULOSKELETAL FUNCTION,
USE OF ORTHOBIOLOGICS, AND PERFORMANCE OF EQUINE AND CANINE
ATHLETES

UTRECHT UNIVERSITY THE NETHERLANDS SEPTEMBER 1 -3, 2023

In person, online live and on demand.

ORGANIZED BY: International Conference on Canine and Equine
Locomotion & Equine High-Performance Sports Group.



We are happy to announce that the International Conference on Canine and Equine Locomotion, the Equine High-Performance Sports Group and Utrecht University Veterinary School have joined forces to organize LOCOMOTION IN PRACTICE 2023. This 3-day event will help you as veterinarians, human doctors, trainers, physiotherapists or other professionals in practice to make better informed decisions regarding the prevention, treatment and rehabilitation of patients / athletes under your care.

Spectacular advancements in locomotion analysis, sports physiology, regenerative medicine and orthobiologics are transformed into new products and protocols for practice. Making the right choices as a practitioner for your patients and combining it with existing therapies and habits is a daily challenge. The program provides a platform to learn about the science behind the novelties, applicability and proof in practice and sharing real life and real case experience.

The Equine High Performance Sports Group INC. | www.EHPSG.com Joop
Loomans Executive Director | +31 653641514 | jloomans@oculusinsights.net

THURSDAY AUGUST 31ST

INFORMAL WELCOME DINNER PARTY WITH ICEL9 SCIENTIFIC MEETING PARTICIPANTS AND LOCOMOTION IN PRACTICE 2023 PARTICIPANTS.

19:30 Restaurant LE:EN

FRIDAY SEPTEMBER 1ST

REGENERATIVE MEDICINE AND ORTHOBIOLOGICS

Platelet Biology and Clinical Application

09:00 General introduction and setup of the combined program between ICEL and EHPSG

09:10 Understanding the potential of platelet rich plasma and setting realistic expectations.

09:40 Platelet rich plasma, and platelet lysate: key similarities and differences. 10:05

Evidence based approaches for the use of PRP in human practice.

10:30 Coffee break

11:00 PRP manufacturing controversies / or when to choose another product.

11:30 Using platelets in combination with other therapies.

12:00 Timing of treatment with platelets

12:30 Lunch break

13:30 News Hour on other current and future orthobiologics development in Europe and North America

14:30 Rehabilitation strategies after the use of Orthobiologics

15:00 Coffee break

15:30 Round Table. Discussions to target when to choose an orthobiologic and strategies to make best decisions. Cases should be followed thru to discussions on recheck exams, rehab strategies and adjunctive treatments. This will then be discussed during the roundtable session. Roundtable presenters will also have clinical case material to present to the audience and encourage discussion).

17:00 End

SATURDAY SEPTEMBER 2ND

MOTION ANALYSIS

08:30 Objective gait analysis in equine daily practice

09:10 Objective gait analysis for longitudinal monitoring

09:35 Kinematic gait analysis in (lame) dogs

10:00 Kinetic measurements in the canine clinical practice

10:25 Coffee break

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RECOVERY AND REHABILITATION

10:45 Objective assessment of posture and relationship to function in recovery

11:10 Exercise testing in relation to recovery

11:35 Surface EMG for locomotion muscle activity

12:00 Aqua training in horses

12:25 Lunch break

PARALLEL SESSION 1 - WORKSHOPS

13:30 Gait analysis systems horse

Exercise testing horse

Pressure plate dogs

Water treadmill dogs

PARALLEL SESSION 2 - REGENERATIVE MEDICINE AND ORTHOBIOLOGICS - FOCUS ON JOINTS

13:30 Relevant current Equine, Canine, or Human publications on joints

13:55 Modulation of joint homeostasis. What are we trying to accomplish?

14:20 What is used in human Osteo Arthritis and why?

14:45 How to adapt the choice of treatment to the specific joint of interest?

15:10 The role of feed and supplements in joint homeostasis?

15:35 Coffee break

16:05 Stem cells, availability, allogeneic vs autologous, Europe vs North America

16:30 Round Table. Discussions to target when to choose an orthobiologic and strategies to make best decisions. Cases should be followed thru to discussions on recheck exams, rehab strategies and adjunctive treatments. This will then be discussed during the roundtable session. Roundtable presenters will also have clinical case material to present to the audience and encourage discussion).

17:30 Drinks & Snacks

SUNDAY SEPTEMBER 3RD

FROM NECK TO TAIL

08:30 Imaging in the equine neck

08:55 Cervical instability syndromes and their treatment

09:20 The importance of the neck in locomotion and how to strengthen it

09:45 Arriving at a diagnosis of a primary neck pain

10:15 Coffee break

10:45 Anatomical variation in the back and clinical interpretation / implication

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11:10 Lower back issues in dogs

11:35 Novel treatment modalities and research in human and canine backpain 12:00 Relationship

between the neck, back, gluteal muscles, hips and stifles – A cross-species perspective 12:30

Fundamentals of compensatory injury in Athletes

12:45 Lunch break

PERFORMANCE ENHANCEMENT AND INJURY MITIGATION – CURRENT STATE-OF-THE-ART AND FUTURE DIRECTIONS

13:45 Sport Horse Management: Where have we been? Where are we now? Where are we going?

14:10 A multidisciplinary approach to managing athletes.

14:40 Role of footing and farriery in equine athletic performance, soundness and longevity.

15:05 Coffee break

15:30 Rider and trainer perspective of building strength.

16:00 Roundtable Discussion with Audience Interaction one prominent rider, farrier, vet, therapist, canine trainer – stimulate discussion about the future of animal athlete management and how we, as a community, can work together.

17:00 End

Speakers, Panelists, Moderators committed to date:

Kirk Peck, John Peroni, Kit Miller, Marc Koene, Mark Revenaugh, Philippe Benoit, Tim Ober, Rahul Desai, René van Weeren, Elin Hernlund, Aagje Hardeman, Marie Rhodin, Barbara Bockstahler, Gillian Tabor, Emmanuelle van Erck, Ineke Smit, Kathryn Nankervis, Harold Brommer, Joop Loomans, Stefanie Veraa, Hilary Clayton, Tijn Spoormakers, Björn Meij, Marianna Tryfonidou, Lars Roepstorff, Nikae te Moller, Tim Worden, Filipe Serra Braganca, Isabell Werth, Aimee Colbath.

Our Audience:

This **Locomotion in Practice 2023 program** focuses on the veterinary profession and other health professionals like scientists, farriers, physiotherapists etc. It will also be acknowledged as official continuing education by providing a RACE certificate for the professional attendees. We know from our first experience with companion animal practitioners that there is a lot of interest, and that the equine and human audience is also interested in this translational aspect.

In 2022 we had 297 registrations for our online Equine Regenerative Medicine and Orthobiologics Summit. Most of the participants would also appreciate and attend an in-person meeting. The ICEL meeting normally attracts 175 participants.

For this year on Friday at the University, we have 175 scientists (cap) doing workshops at the Equine- and Companion Animal Clinics related to the ICEL9 Scientific Meeting and 200 participants (cap) for the Locomotion in Practice Program.

On the Saturday and Sunday, we will have 200 participants (cap) per day.

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All presentations of the Locomotion In Practice 2023 program will be broadcasted and remain available on demand for one year on our digital platform.