

2023 Scientific meeting of the ECVSMR

EQUINE PROGRAM

Thursday 20/07/2023 PRE-CONGRESS DAY

8h30-18h00 Registration

WORKSHOPS - Detailed program online (<https://ecvsmr2023.colloque.inrae.fr>)

8h00-12h00: **Equine Sports Medicine Workshop**, Dr Valérie Deniau and Dr Emmanuelle Van Erck-Westergen. Grosbois training center for racing trotters (bus transportation).

13h00-15h30: **Clinical Anatomy of the Equine Limbs**, Pr Jean-Marie Denoix and Pr Nathalie Crevier-Denoix. Dissection room, EnvA (Maisons-Alfort).

15h30-16h00 *Coffee break*

RESIDENT FORUM (16h-18h)

Moderators: Annamaria Nagy and Marion Mucha

16h00-16h20 **A functionalized nanogel combining prolonged mechanical and biological effects as a novel intra-articular treatment for osteoarthritis in the horse: a double- blinded, controlled and randomized safety study.**

Terlinden A, Jacquet S, Cuiller A, Cassé F, Legendre F, Manivong S, Garcia A, Roullin G, Moldovan F, Banquy X, Galéra P, Audigié F, Demoor M, Bertoni

16h20-16h40 **Improvement of gastric ulcer and ridden horse pain ethogram**



scores with diet adaptation in sport horses.

Pineau V, Woort F, Julien F, Vernant M, Lambey S, van Erck-Westergren E

16h40-17h00 An ex-vivo study evaluating potential iatrogenic damage after using the axial sesamoidean approach for synoviocentesis of the equine digital flexor tendon sheath.

Gruyaert M, Jansen F, Oosterlinck M

17h00-17h20 Effect of speed on variations of the vertical displacement of the trunk in horses at trot on a water treadmill: preliminary results.

Fraschetto C, Jacquet S, Moiroud C, Audigié F, Chateau H, Hattrisse C, Denoix JM

17h20-17h40 Pilot study to investigate intra- and interobserver agreement on calculation of pressure plate data in lame trotting dogs.

Bogaerts E, Brondeel C, Coppieters E, Broeckx B, Van Ryssen B, Samoy Y

EVENING PROGRAM

19h00-21h00 Welcome reception and announcement of the winners of the VAHL Award



Friday 21/07/2023 DAY 1

08h00-8h45 **Registration**

08h45-9h00 **Opening ceremony – Maarten Oosterlinck, Jean-Marie Denoix**

9h00-9h45 Keynote

Moderator: Renaud Leguillette

Virginia Reef (New Bolton Center, USA)

Equine performance and safety: When heart matters.

09h45-10h15 Coffee break

Moderators: Emmanuelle Van Erck and Maarten Oosterlinck

10h15-11h15 Free communications

10h15-10h30 **Influence of spinal surgery on the biomechanics of the equine thoracolumbar spine**

Natalie Baudisch, Henning Meyer, Christoph Lischer, Anna Ehrle

10h30-10h45 **Agreement among veterinarians and a smartphone computer vision method for equine lameness assessment during lameness examination: preliminary findings**

Ilaria Grossi, Marco Pepe, Elin Hernlund, Francesca Beccati

10h45-11h00 **Magnetic resonance imaging findings in the metacarpophalangeal joint of 31 showjumping horses in full work and competing regularly**

Annamaria Nagy, Sue Dyson



11h00-11h15 **Assessment of the severity of aortic valve regurgitation by spectral Doppler of aortic and carotid blood flow in horses.**

Alexander Dufourni, Gunther van Loon, Annelies Decloedt

11h15-11h40 Poster flash session

11h40-12h00 Clinical cases: Forelimb lameness induced by subclavian artery impairment

Jean-Marie Denoix, Maria Castellanos Alonso

12h00-13h30 Lunch, Poster session

12h45-13h30 Preparatory session for the ECVSMR residents examination

Florian Buchner, Annamaria Nagy

13h30-17h30 SESSION 1: How to combine welfare and performance?

Moderators: H el ene Bourguignon (FNCH) - Arnaud Duluard (SECF), and Alberic Th ery (FEI)

1- Claire Scicluna and Jean-Yves Gauchot (France):

The veterinary profession in the XXI century: from technicity to prevention, an ethical issue.

2- Esther Siegers and Ellen Reolfsema (Vet Fac Utrecht, The Netherlands):

What are the manifestations of discomfort related to overtraining or over-exploitation in the horse at work (except signs of lameness or axial pain)?

3- St ephane Montavon (Switzerland):

Management for performance - ethical and regulatory aspects in Europe

4- Rachel Murray (Rosssdales, UK) and Liz Brown (British Equestrian, UK)

How to combine welfare and performance in the Sport horse, in practice?



15h10-15h40 Coffee break

5- Hélène Pasquet (*Vethippodome, France*) and Emmanuel Clayeux (Steeple chasers' trainer, France):

How to combine welfare and performance in the Steeple chasers, in practice?

6- Jean-Marie Denoix (CIRALE, France):

Management of equine athletes without injections?

7- Jean-Marc Sène (human medicine, *Santé Plus Sport, France*):

Injections for the management of human athletes: rules and alternatives

Questions and Answers

19h30: Gala dinner (boat trip on the Seine)

Saturday 22/07/2023 DAY 2

08h00-8h30 Registration

8h30-9h30 Free communications 2

Moderators: Virginie Coudry and Barbara Riccio

08h30-08h45 **Comparative effect of water treadmill training, lunging and treadmill training during rehabilitation of horses with back pain**

Tobias Geiger, Liesa Rogge, Julien Delarocque, Florian Geburek

08h45-09h00 **Computed tomographic evaluation of the sagittal ridge of the third metacarpal bone in Thoroughbred racehorses in their first year of training: a longitudinal study**

Koppány Boros, Sue Dyson, Annamária Nagy



09h00-09h15 **Pilot study to evaluate potential prognostic value of Doppler signal of superficial digital flexor tendinopathies in horses at the end of their rehabilitation program**

Adeline Tischmacher, Audrey Beaumont, Jean-Marie Denoix, Nathalie Crevier-Denoix

09h15-09h30 **Preliminary observations in EIPH horses receiving by inhalation a soluble form of curcumin (NDS27)**

Luis Mendoza, Charlotte Sandersen, Isabelle Caudron, Jean-Philippe Lejeune, Thierry Franck, Didier Serstejn

9h30-10h00 SESSION 2: Exercise physiology

Moderator: Lisa Katz

Renaud Leguillette (Univ Calgary, Canada)

Cardio-respiratory physiology of the swimming horse

10h00-10h30 Coffee break

10h30-12h00 SESSION 3: Rehabilitation of tendinopathies

Moderator: Didier Serstejn

10h30-11h10 **Hans Zwerver** (Sports Valley, Medical Center, Univ. Groningen, The Netherlands)

Tendon injury rehabilitation in the human athlete

11h10-12h **Nathalie Crevier-Denoix and Jean-Marie Denoix** (INRAE-EnvA, CIRALE, France)

The Tendinact project: rehabilitation of SDFT tendinopathy in steeplechasers, with controlled exercise and close clinical and functional follow-up.

12h00-13h30 Lunch, Poster session



13h30-15h30 SESSION 4: Bone - Fatigue fractures

Moderator: Jean-Marie Denoix

13h30-14h00

Fabrice Audigié (CIRALE, France)

Fatigue versus rest: diagnostic imaging of associated bone alterations in the equine athlete

14h-15h30 Keynotes

Sue Stover (UC Davis, USA)

Etiopathogenesis of fatigue fractures.

Chris Riggs (Hong Kong Jockey Club Equine Welfare Research Foundation Director) - [Online](#)

Management of fatigue fractures in racehorses

15h30-16h00 *Coffee break*

16h00-17h45 SESSION 5: Respiratory conditions limiting performance

Moderator: Virginia Reef

Lisa Katz (Vet Fac Dublin, Ireland)

Diagnosing upper respiratory tract abnormalities in your equine athlete: is it as easy as it appears?

Renaud Leguillette (Univ Calgary, Canada)

Mild moderate equine asthma in performance horses

Lisa Katz (Vet Fac Dublin, Ireland)

An update on Exercise-Induced Pulmonary Hemorrhage in the equine athlete

Closing session

