

Mijn realisaties, activiteiten en bijdragen m.b.t. de uitbouw en ontwikkeling van onderzoek

**Publikatie output kan gevonden worden via de UGent Bibliografie:**

<https://biblio.ugent.be/person/801001244384>

**Er werden reeds 6 Phds succesvol verdedigd, waarvan de laatste 3 afgelopen zomer.**

1. **Mathilde Pluim.** The Effect of High-Power Laser Therapy in Tendinitis and Desmitis in the Horse. Ghent University. Faculty of Veterinary Medicine (07/06/2022). Promotors: Prof. Catherine Delesalle, Prof. Ann Martens , Prof. Katrien Vanderperren and Prof. René Van Weeren. De video van de verdediging is te vinden op onze website:

SUPER PROUD OF OUR RESEARCH TEAM! PhD defence Dr. Mathilde Pluim

[THE EFFECT OF HIGH-POWER LASER THERAPY ON TENDINITIS AND DESMITIS IN THE HORSE](#)



PROMOTOR:  
PROF. DR. C. DELESALLE

CO-PROMOTOREN:  
PROF. DR. A. MARTENS  
PROF. DR. K. VANDERPERREN  
PROF. DR. J.R. VAN WEEREN

DEPARTMENT OF TRANSLATIONAL PHYSIOLOGY, INFECTIOLOGY AND PUBLIC HEALTH  
RESEARCH GROUP OF COMPARATIVE PHYSIOLOGY, GHEENT UNIVERSITY, BELGIUM  
2022

7th June 2022

GHENT UNIVERSITY  
Department of Translational Physiology, Infectiology and Public Health, Research Group of Comparative Physiology Prof. Delesalle

<https://www.excophysio.com/research-group-of-comparative-physiology.html>

2. **Elisabeth-Lidwien Verdegaal.** Thermoregulation in Exercising Horses : Aspects of Temperature Monitoring during Field Exercise. Ghent University. Faculty of Veterinary Medicine ; **Joint PhD with the University of Adelaide.** School of Animal and Veterinary Science (13/07/2022). Promotors: Prof. Catherine Delesalle, Prof. Gordon S. Howarth and Prof. Todd J. McWhorter.

SUPER PROUD OF OUR RESEARCH TEAM! PhD defence Dr. Lidwien Verdegaal

[THERMOREGULATION IN EXERCISING HORSES](#)



JOINT PhD between Ghent University, Belgium & Adelaide University, Australia

PROMOTORS  
Prof. dr. C. Delesalle  
Faculty of Veterinary Medicine Ghent University, Belgium  
Prof. G. Howarth  
Dr T. McWhorter  
School of Animal and Veterinary Science,

13th July 2022


GHENT UNIVERSITY  
Department of Translational Physiology, Infectiology and Public Health, Research Group of Comparative Physiology Prof. Delesalle

<https://www.excophysio.com/research-group-of-comparative-physiology.html>

3. **de Meeûs, Constance.** Differential Effect of Exercise on Bioenergetics and Plasticity of the Equine Muscle. Ghent University. Faculty of Veterinary Medicine (15/06/2022). Promotors: Prof. Catherine Delesalle, Prof. Luc Leybaert and Prof. Ward De Spiegelare. De video van de verdediging is te vinden op onze website.

SUPER PROUD OF OUR RESEARCH TEAM! PhD defence Dr. Constance de Meeus d'Argenteuil

**DIFFERENTIAL EFFECT OF EXERCISE ON BIOENERGETICS AND PLASTICITY OF THE EQUINE MUSCLE.**



PROMOTOR:  
PROF. DR. C. DELESALLE

COPROMOTORIEN:  
PROF. DR. I. LEYBAERT  
PROF. DR. W. DE SPIEGELAERE

DEPARTMENT OF TRANSLATIONAL PHYSIOLOGY, INFECTIOLOGY AND PUBLIC HEALTH  
RESEARCH GROUP OF COMPARATIVE PHYSIOLOGY, GHEENT UNIVERSITY, BELGIUM  
2022

15<sup>th</sup> June 2022

GHEENT UNIVERSITY  
Department of Translational Physiology, Infectiology and Public Health, Research Group of Comparative Physiology, Prof. Delesalle

<https://www.excophysio.com/research-group-of-comparative-physiology.html>

4. **Veronique Saey:** Phenotypical characterization of aortic rupture in Friesian horses. Ghent University. Faculty of Veterinary Medicine (12/09/2016): Promotors: Prof. Koen Chiers, Prof. Gunther van Loon, Prof. Catherine Delesalle
5. **Margreet Ploeg:** Challenging Friesian horse diseases -Aortic rupture and megaesophagus. Joint PhD with Utrecht University, Faculty of Veterinary Medicine (27/10/2015). Promotors: Prof. Catherine Delesalle, Prof. Koen Chiers, Prof. Andrea Gröne, Prof. René van Weeren
6. **Sara Torfs.** Complications and Prognostic Factors in Equine Surgical Colic. Ghent University. Faculty of Veterinary Medicine (16/10/2012). Promotors: Prof. Piet Deprez, Prof. Catherine Delesalle and Prof. Gunther van Loon

**Op dit moment lopen er 4 PhDs waarvan 3 in hun eindfase:** deze van Sanne Journee (full time dierenartsen praktijk Friesland, NL), Berit Boshuizen (full time Dipl. ECEIM Dierenkliniek Wolvega, Friesland, NL), Carmen Vidal Moreno de la Vega (AAP binnen ons research team sinds 2018). Lorie De Mare combineert een full time residency ECEIM op de Faculteit Diergeneeskunde in Luik met een PhD in ons team. Status lopende PhDs:

1. Sanne Journee. Title PhD:

Promotors: Cathérine Delesalle, Henricus Journee, Kathlyn Laval en Steve Reed.

**Steve Reed**, DVM, Dipl. ACVIM, earned his DVM at The Ohio State University, followed by a residency at Michigan State University. He started his academic teaching career at Washington State University from 1979-1983, and then returned to Ohio State where he spent 26 years as a professor and mentor in the equine medicine department. Reed is a Diplomate in the American College of Veterinary

Internal Medicine and is a noted author and editor of numerous scientific articles and textbooks. He has spoken at many state, national, and international meetings. His primary research interests include equine neurologic diseases. He is currently an internal medicine specialist and shareholder at Rood & Riddle Equine Hospital, Emeritus Professor of The Ohio State University, an Adjunct Professor at the University of Kentucky, and the chairman of the Grayson-Jockey Club Research Advisory Committee. Professor Reed is author and co-author of numerous scientific publications, including the core reference book "Equine Internal Medicine", Elsevier Health Science, Elsevier Health Sciences, ISB 1437708854, 9781437708851 that was authored by Stephen M. Reed, Warwick M.

Bayly, Debra C. Sellon. Besides that he was also author of the reference book: Equine Neurology (Martin Furr & Steven Reed).

Publications PhD :

**1. Design and optimization of a novel method for assessment of the motor function of the spinal cord by multipulse transcranial electrical stimulation in horses**

Sanne Journée (UGent) , Henricus Louis Journée, Cornelis Marinus de Bruijn and Catherine Delesalle (UGent)(2015) JOURNAL OF EQUINE VETERINARY SCIENCE. 35(10). p.793-800. Impact Factor: 1.583

**2. State-of-the-art diagnostic methods to diagnose equine spinal disorders, with special reference to transcranial magnetic stimulation and transcranial electrical stimulation**

Sanne Journée (UGent) , Constance De meeûs (UGent) , Lorie De Maré (UGent) , Berit Boshuizen (UGent) , Katrien Vanderperren (UGent) , Louis Journée, Marco de Bruijn, Wilhelmina Bergmann and Catherine Delesalle (UGent)

(2019) JOURNAL OF EQUINE VETERINARY SCIENCE. 81. Impact Factor: 1.583

**3. Comparison of Muscle MEPs From Transcranial Magnetic and Electrical Stimulation and Appearance of Reflexes in Horses.**

Sanne Lotte Journée<sup>1,2†</sup> , Henricus Louis Journée<sup>3,4,5 \* †</sup> , Hanneke Irene Berends<sup>5</sup> , Steven Michael Reed<sup>6,7</sup> , Cornelis Marinus de Bruijn<sup>8</sup> and Cathérine John Ghislaine Delesalle<sup>2</sup>. FRONTIERS IN NEUROSCIENCE Sept 2020. Impact Factor 3.566

**4. Extramuscular Recording of Spontaneous EMG Activity and Transcranial Electrical Elicited Motor Potentials in Horses: Characteristics of Different Subcutaneous and Surface Electrode Types and Practical Guidelines.**

Sanne Lotte Journée<sup>1,2†</sup> , Henricus Louis Journée<sup>3,4 \* †</sup> , Stephen Michael Reed<sup>5,6</sup> , Hanneke Irene Berends<sup>4</sup> , Cornelis Marinus de Bruijn<sup>7</sup> and Cathérine John Ghislaine Delesalle<sup>2</sup>. FRONTIERS IN NEUROSCIENCE july 2020. Impact Factor 3.566

**5. Trapezius MEPs from TES and TMS: reference data, characteristic differences and intradural motor velocities in horses.** Sanne Lotte Journée, Henricus Louis Journee, Hanneke Irene Berends, Steven Michael Reed, Cornelis Marinus De Bruijn,

Wilhelmina Bergmann and Cathérine John Ghislaine Delesalle. FRONTIERS IN NEUROSCIENCE, Impact Factor 3.566; febr 2022

**6. An orientation on the diagnostic relevance of equine TES MEPs by comparing cervical radiological, myographic and histopathologic examinations at different ataxia grades.** Sanne Lotte Journée<sup>a,b</sup>, Henricus Louis Journée<sup>\*c,d,e</sup>, Wilhelmina Bergmann<sup>f</sup>, Ilias Chantziaras<sup>g</sup>, Katrien Vanderperren<sup>h</sup>, Els Raesi<sup>i</sup>, Steven Michael Reed<sup>j,k</sup>, Cornelis Marinus de Bruijn<sup>l</sup>, Hanneke Irene Berendse<sup>m</sup>, and Cathérine John Ghislaine Delesalle<sup>b</sup>. FRONTIERS IN NEUROSCIENCE: Status: under review of co-authors

Het PhD boekje is grotendeels geschreven. Planning verdediging dit najaar.

2. Berit Boshuizen. Title PhD: The equine gut-muscle axis: in sickness and health

Promotors: Prof. Delesalle, Prof. Bert De Vriendt, Prof. Van Immerseel

Publications PhD:

**IMPORTANT:** Berit was 30% practical assistant in my Research team from ..... She then started a residency (2016) for **which I was supervisor together with Dr. De Bruijn of Wolvega Equine Clinic. Berit obtained successfully her title as Diplomate of the European College of Equine Internal Medicine in 2022**



### **1. Inflammatory bowel disease (IBD) in horses : a retrospective study exploring the value of different diagnostic approaches.**

Berit Boshuizen, Margreet Ploeg, Jeroen Dewulf, Sanne Klooster, Marco de Bruijn, Marie-Thérèse Picavet, Katrien Palmers, Lukas Plancke, Hilde De Cock, Mathijs Theelen and Catherine Delesalle. (2018) BMC VETERINARY RESEARCH. 14. Impact Factor: 2.741

### **2. Diaphragmatic hernia with focal megaesophagus: An extremely rare combination.**

Berit Boshuizen, Marco de Bruijn, Lutz Goehring, Cathérine Delesalle. EVE July 2020. Impact Factor: 0.63

### **3. Flexibility of equine bioenergetics and muscle plasticity in answer to different types of training. An integrative approach, questioning existing paradigms.**

Constance de Meeûs d'Argenteuil\*, Berit Boshuizen\*, Maarten Oosterlinck, Don van de Winkel, Ward De Spiegelaere, Cornelis Marinus de Bruijn, Klara Goethals, Katrien Vanderperren, Cathérine John Ghislaine Delesalle. \*shared first authorship. Plos One. Impact Factor: 3.2

### **4. Effect of aleurone supplementation on glucose metabolism and fecal microbiome in untrained healthy horses.**

Berit Boshuizen\*, Carmen Vidal Moreno de Vega\*, Lorie de Maré, Constance de Meeûs, Jean de Oliveira, Guilherme Hosotani, Filip Van Nieuwerburgh, Yannick Gansemans, Dieter Deforce, Catherine Delesalle: Status: ready for submission

\*shared first authorship. FRONTIERS IN VETERINARY SCIENCE. Impact Factor: 3.12

**5. Profiling the aerobic window of horses in response to training by means of a modified Lactate Minimum Speed test: flatten the curve.** Lorie De Maré, Berit Boshuizen, Carmen Vidal Moreno De Vega, Constance De Meeûs D'Argenteuil, Lukas Plancke, Yannick Gansemans, Filip Van Nieuwerburgh, Dieter Deforce, Jean Eduardo De Oliveira, Guilherme Hosotani and Cathérine Delesalle. FRONTIERS IN PHYSIOLOGY. Impact Factor: 4.134

## **6. Effect of oral aleurone supplementation on glucose and insulin dynamics and fecal microbiome of horses in training.**

Berit Boshuizen, Lorie de Maré, Constance De Meeus, Carmen Vidal Moreno de Vega, Jean De Oliveira, Yannick Gansemans, Tim Meese, Filip Van Nieuwerburgh, Dieter Deforce, Catherine Delesalle. Status: under review of co-authors

3. Carmen Vidal Moreno De La Vega. Title PhD : Equine muscular plasticity in answer to training.

Promotors:

Publications:

### **1. Effect of aleurone supplementation on glucose metabolism and fecal microbiome in untrained healthy horses.**

Berit Boshuizen\*, Carmen Vidal Moreno de Vega\*, Lorie de Maré, Constance de Meeûs, Jean de Oliveira, Guilherme Hosotani, Filip Van Nieuwerburgh, Yannick Gansemans, Dieter Deforce, Catherine Delesalle. FRONTIERS IN VETERINARY SCIENCE. Impact Factor: 3.12. \*shared first authorship

**2. Dynamics of training and acute exercise-induced shifts in muscular glucose transporter (GLUT) 4, 8 and 12 expression in locomotion versus posture muscles in healthy horses.** Carmen Vidal Moreno de Vega<sup>1\*</sup>, Diète Lemmens<sup>1\*</sup>, Constance de Meeûs d'Argenteuil<sup>1</sup>, Berit Boshuizen<sup>1,2</sup>, Lorie de Maré<sup>1</sup>, Luc Leybaert<sup>3</sup>, Klaartje Goethals<sup>4</sup>, Jean Eduardo de Oliveira<sup>5</sup>, Guilherme Hosotani<sup>5</sup>, Dieter Deforce<sup>6</sup>, Filip Van Nieuwerburgh<sup>6</sup>, Lindsey Devisscher<sup>7</sup>, Catherine Delesalle<sup>1</sup>. \* shared first authorship. FRONTIERS IN PHYSIOLOGY. Impact Factor 3.89. Status: submitted.

### **3. Baseline physiological parameters in posture versus locomotion muscles across equine breeds. What can we learn from the horse?**

Carmen Vidal Moreno de Vega<sup>1</sup>, Constance de Meeûs d'Argenteuil<sup>1</sup>, Berit Boshuizen<sup>1,2</sup>, Lorie De Mare<sup>1</sup>, Yannick Gansemans<sup>3</sup>, Filip Van Nieuwerburgh<sup>3</sup>, Dieter Deforce<sup>3</sup>, Klara Goethals<sup>4</sup>, Ward De Spiegelaere<sup>5</sup>, Luc Leybaert<sup>6</sup>, Lidwien Verdegaal<sup>7</sup>, Cathérine Delesalle<sup>1</sup>. Status: under review of the co-authors.

Het PhD boekje is grotendeels geschreven. Planning verdediging dit najaar of aankomend voorjaar

4. Lorie De Mare. Title Phd: Standardized exercise testing in horses

Promotors:

Publications:

### **1. Standardized exercise tests in horses : current situation and future perspectives.**

Lorie De Maré, Berit Boshuizen, Lukas Plancke, Marco de Bruijn and Catherine Delesalle (2017) VLAAMS DIERGENEESKUNDIG TIJDSCHRIFT. 86(2). p.63-72

**2. Profiling the aerobic window of horses in response to training by means of a modified Lactate Minimum Speed test: flatten the curve.** Lorie De Maré\*, Berit Boshuizen\*, Carmen Vidal Moreno De

Vega, Constance De Meeûs D'Argenteuil, Lukas Plancke, Yannick Gansemans, Filip Van Nieuwerburgh, Dieter Deforce, Jean Eduardo De Oliveira, Guilherme Hosotani and Cathérine Delesalle. FRONTIERS IN PHYSIOLOGY. Impact Factor: 4.134. \* shared first authorship

Verder ontvangen wij op regelmatige tijdstippen **stagesstudenten uit binnen-en buitenland**, die dan meelopen in het research team en het lopende onderzoek:

**-Daisy Hendriks en Jill Vanlerberghe** Professional bachelor Medical Imaging Odisee hogeschool, Brussels, Belgium (2017-2018). ' MR-evaluatie van met laser behandelde iatrogene peesletsels, met de ' interosseuspees' van het paard als onderzoeksmodel.

**-Bo Hopmans** (10 weeks internship)(2018-2019), HAS Hoge school Den Bosch, Dier- en Veehouderij, 1. Heeft het voedingssupplement aleurone invloed op de inspanningscapaciteit van het paard? 2. Preference test: bepalen van een voorkeursbeen. Bachelor internship. Major thesis.

**-Nhlanhla Makatini** (10 weeks internship)(2018-2019), Aeres University of Applied Sciences, Almere, The Netherlands, Bachelor applied biology. Longitudinal follow-up of muscle fibre typing in three strategical muscles in answer to trotter training.

Bachelor internship. Major thesis. Erasmus programme.

**-Elisabeth De Sutter**: Honours Programme, Ghent University (2019-2020). The effect of 8 weeks of dry treadmill training on muscle fibre type composition of the pectoralis profundus and vastus lateralis muscles in Friesian horses.

**-Rui Menezes** (2019-2020). Faculty of Veterinary Medicine, Evora University, Portugal. Master dissertation: Intralesional treatment with mesenchymal stem cells in horses with suspensory ligament desmitis and superficial digital flexor tendonitis

**-Miranda Swierstra** (2019-2020). Faculty of Veterinary Medicine, Utrecht University, The Netherlands. Master scription: Eosinophilic IAD in Sporthorses.

**-Nynke Veenstra** (2019-2020). Van Hall Larenstein, The Netherlands. Major Biomedical Research: Eosinofiele astma bij paarden

**-Diete Lemmens** (6 months internship 2023). Hasselt University, Master in Biotechnology. Longitudinal follow-up of Fuel-mobilizing hormone levels, glucose/insulin dynamics, and glucose transporter expression in response to harness training. Master dissertation.

**-Joëlle Melis** (6 months internship starting September 2023). Hoge School Den Bosch, Bachelor Biologie. Metabolic characterization of the horse during transport & training

**Verder worden er op dit moment 5 projecten met Industriële partners uitgewerkt en 1 project met de Faculteit Geneeskunde:**

- Linkage of Mannan oligosaccharides (MOS) molecular structures to their physiological potential
- Stress monitoring during air and over the road transportation in horses and dogs
- Aerobic window metabolic characterization in horses in training
- Inflammatory Airway disease in Standardbreds in training and competition
- non invasive in ovo gender assessment in chickens
- Biomarker identification for optimization of education of working dogs involved in facilitating identification of presence of explosives and/or fire accelerator substances
- Genetic typology of Aortic rupture and mega-esophagus in the Friesian horse as hereditary diseases. (Prof. Paul Coucke & Patrick Sips).

Er wordt veel aandacht besteed aan het promoten van de research output van het Research Team:

Er werd een eigen website gecreëerd: [www.Excophysio.com](http://www.Excophysio.com)



*Screenshot van de openingpagina van onze website*

Verder worden onze onderzoeksresultaten op regelmatige basis gepresenteerd niet alleen op congressen, maar ook via social media, bijvoorbeeld podcast, online, etc



## Podcast EVJ: High Power laser therapy, Mathilde Plum, PhD

Apple Podcasts Preview



### EVJ in Conversation Podcast, No. 60, Nasal oxygen therapy in hospitalised neonatal foals & Histological tissue healing following laser treatment in a model of suspensory ligament branch injury

Equine Veterinary Journal Podcasts

Technology

[Listen on Apple Podcasts ↗](#)

In this podcast, Emily Floyd discusses Nasal high flow oxygen therapy in hospitalised neonatal foals, and Mathilde Plum discusses her article Histological tissue healing following high-power laser treatment in a model of suspensory ligament branch injury.

[Episode Website ↗](#)

[More Episodes](#)

37 min

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## Tijdschrift Hippisch ondernemer Nederland. PhD Lidwien Verdegaal

### Thermoregulatie tijdens arbeid bij sportpaarden

Hittestress en oververhitting bij paarden kunnen, net als bij mensen, een echt risico vormen. Door de recente klimaatverandering neemt dat risico alleen maar toe, zeker tijdens outdoorwedstrijden. Even zorgwekkend is het toenemende bewijs dat uitsluitend de meer ernstige klinische gevallen van arbeid gerelateerde hittestress/hitteberoerte worden herkend. Veel milde gevallen van hittestress blijven helaas onder de radar.

**H**et probleem blijkt dus veel groter dan gedacht. Een veel voorkomende misvatting is dat hitteberoerte alleen paarden treft in zeer hete en vochtige weersomstandigheden. Maar hittestress is een wezenlijk risico, onafhankelijk van welk continent het paard gehouden wordt.

#### TEMPERATUURPIL

Tot nog toe was er eigenlijk geen zicht op de real-time ontwikkeling van de kernlichaamstemperatuur van paarden tijdens verschillende types arbeid (waaronder racen of endurance-wedstrijden) in echte veldomstandigheden. Wel werd al veel onderzoek verricht in laboratorium-

omstandigheden op bijvoorbeeld een loopband.

Tijdens een recent wetenschappelijk onderzoek is het gebruik van een temperatuurpil bij paarden gevalideerd, die door het darmstelsel reist en continu de kernlichaamstemperatuur meet tijdens arbeid. Deze 'temp-pil' blijkt accuraat en praktisch in gebruik! In een vervolgonderzoek werd de thermoregulatie (het vermogen van een paard om de lichaamstemperatuur te reguleren) tussen twee totaal verschillende types arbeid, met name endurance versus draver-racen, vergeleken, bij normale buitentemperatuur.

*'Paardeneigenaren moeten zeer alert zijn op temperatuur in het kader van welzijn van hun paard, ook na het beëindigen van de arbeid'*

#### HERSTEL

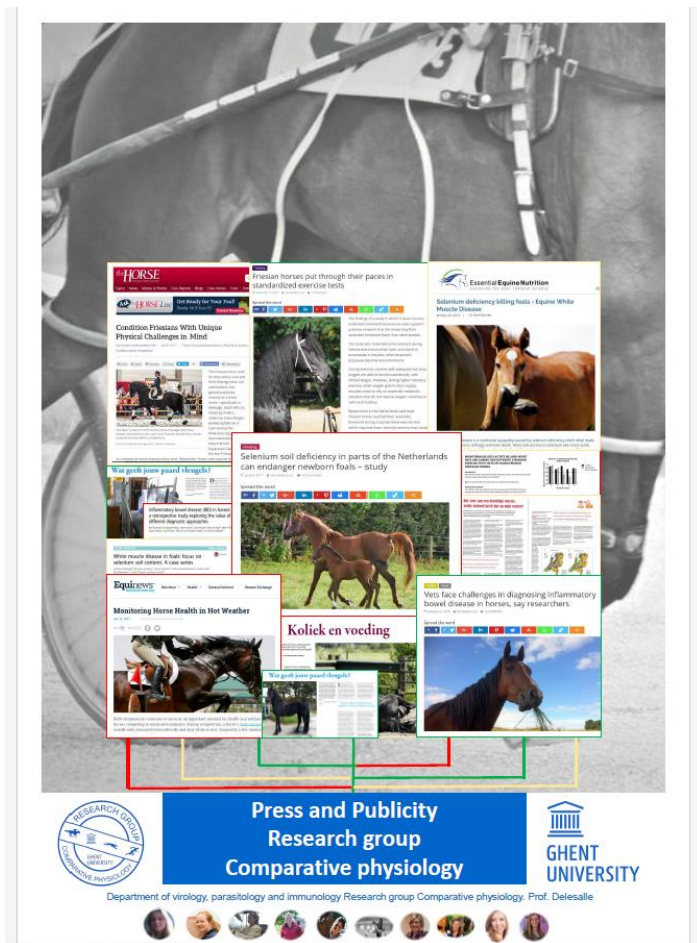
Dit onderzoek leverde veel nieuwe inzichten. Allereerst werd het duidelijk dat er zeer grote individuele verschillen bestaan hoe paarden met hun thermoregulatie omgaan. Individuele en structurele temperatuurmonitoring is dan ook cruciaal om effectief het welzijn te kunnen waarborgen. Verder toonde het onderzoek aan dat de lichaamstemperatuur na 40 km endurance arbeid, tijdens de 60 minuten rustpauze naar de start/begin temperatuur herstelde (normaal lichaamstemperatuur waarde is tussen 37.4-38.0°C). Wat echter wel bleek was dat de temperatuur niet zo snel herstelde als de

#### LIDWIEN-ELISABETH VERDEGAAL

Dit artikel bevat een samenvatting van de belangrijkste bevindingen van het promotieonderzoek van dierenarts-specialist Inwendige ziekten paard Dr. Lidwien-Elisabeth Verdegaal, hoofddocent paardengeneeskunde aan de Universiteit van Adelaide in Australië. Het promotieonderzoek, getiteld: "Thermoregulatie in exercising horses: Aspects of temperature monitoring during field exercise", was een samenwerking tussen de Universiteit van Adelaide, Australië en de Universiteit van Gent, België (Prof Cathérine Dolesalle).







*Compilatie van artikels aangaande het onderzoek van ons team, voor leken publiek verschenen in de Internationale pers*

### **Presentaties van de onderzoeksresultaten van onze onderzoeksgroep op Nationale en Internationale Conferences:**

1. Diete Lemmens, Carmen Vidal Moreno de Vega, 2, and Cathérine Delesalle. Dynamics of training and acute exercise-induced shifts in muscular glucose transporter (GLUT) expression and validation of fuel-mobilizing hormone levels in tear fluid in horses. Poster presentation. MOSA conference Maastricht 27 & 28<sup>th</sup> June 2023.
2. Berit Boshuizen, Lorie de Maré, Constance De Meeus, Lindsey Devisscher, Carmen Vidal Moreno de Vega, Jean De Oliveira, Guilherme Hosotani, Yannick Gansemans, Tim Meese, Filip Van Nieuwerburgh, Dieter Deforce, Catherine Delesalle. Effect of aleurone on glucose & insulin dynamics and gut microbiome in trained horses. Poster presentation: Winter Conference 2022/23 – Architecture of food: processing, structure and health, London, UK, 24 - 25 January 2023.

3. Verdegaal, Elisabeth-Lidwien J.M.M., Gordon S. Howarth, Todd J. McWhorter, and Catherine Delesalle. 2022. Skin Surface Temperature Is Not a Reliable Proxy for the Thermoregulatory Response in Endurance Horses. In *Equine Exercise Physiology, 11th International Conference, Abstracts*.
  4. National Annual Australian Veterinary Association (AVA) conference, June 2023. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, van Oijen, LAAM, Delesalle, CJG. 'Skin surface temperature is not a reliable proxy for the thermoregulatory response in endurance horses', poster presentation and Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, van Oijen, LAAM, Delesalle, C. 'Thermoregulatory response by gastrointestinal pill in endurance and trotter horses', poster presentation.
  5. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Delesalle, CJG. 'Skin surface temperature is not a reliable proxy for the thermoregulatory response in endurance horses', 8 min oral presentation, National Conference Australian Society for Medical Research (ASMR), Adelaide, Australia, June 2023
  6. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Delesalle, CJG. 'Skin surface temperature is not a reliable proxy for the thermoregulatory response in endurance horses', 3 min oral presentation & poster, 11th International Conference Equine Exercise Physiology (ICEEP), Uppsala, Sweden, June 2022
  7. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Delesalle, CJG. 'Continuous monitoring of the thermoregulatory response by gastrointestinal pill in endurance and trotter horses during field exercise', 30 min oral presentation, prestigious International Havemeyer meeting 'Poor Performance meeting', Montana, USA, May 2022
  8. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Delesalle, CJG. 'Continuous monitoring of thermoregulatory responses by a gastrointestinal pill in endurance horses and trotters during field exercise', 12 min oral presentation, National Conference Australian Society for Medical Research (ASMR), prestigious Nominated Ross Wishart Award as 1 of 4 nominees, Adelaide, Australia, June 2022
  9. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Boshuizen, B, Franklin, SH, Moreno de Vega, CV, Jonas, SE, Folwell LE, and Delesalle CJG. 'Continuous Monitoring of the Thermoregulatory Response in Endurance Horses and Trotter Horses During Field Exercise: Baseline for Future Hot Weather Studies', 5 min oral presentation, virtual, Calgary International Equine Symposium, Canada, May 2021
  10. Verdegaal, E-LJMM, Howarth, GS, McWhorter, TJ, Boshuizen, B, Franklin, SH, Moreno de Vega, CV, Jonas, SE, Folwell LE, Caraguel, CGB, Dewulf, J, and Delesalle CJG. 'A longitudinal follow-up of the thermal response to the metabolic heat load in endurance horses and Standardbreds during field exercise', 3 min oral presentation, virtual conference, 12th International Congress of the European College of Equine Internal Medicine (ECEIM), Nov 2020
5. De Maré, Lorie, Berit Boshuizen, Carmen Vidal Moreno de Vega, Constance De meeûs, Lukas Plancke, Yannick Gansemans, Filip Van Nieuwerburgh, Dieter Deforce, Jean de Oliveira, and Catherine Delesalle. 2021. Profiling the Aerobic Window (AW) of Horses in Response to Training by

Means of a New LMS (Lactate Minimum Speed) Test : Flatten the Curve. In Calgary International Equine Symposium : Innovation and Discovery, Abstracts.

6. Pluim, Mathilde, Katrien Vanderperren, Ann Martens, René van Weeren, Jeroen Dewulf, and Catherine Delesalle. 2020. High-Power Lasertherapie Zur Nutzung Bei Schäden Des Fesselträgers : Eine Standardisierte Studie. In Leipziger Tierärztekongress, 10, Zusammenfassungen.

7. Pluim, Mathilde, Ann Martens, Katrien Vanderperren, René van Weeren, Maarten Oosterlinck, Jeroen Dewulf, Mihmoun Kichouh, Bert van Thielen, Marc Koene, Antonio Luciani, Lukas Plancke, and Catherine Delesalle. 2020. High-Power Laser Therapy Improves Healing of the Equine Suspensory Branch in a Standardized Lesion Model : Research Abstract. In AAEP Virtual Convention, Abstracts.

6. Boshuizen, Berit, Constance De meeûs, Lorie De Maré, Carmen Vidal Moreno de Vega, J De Oliveira, Yannick Gansemans, Filip Van Nieuwerburgh, Dieter Deforce, and Catherine Delesalle. 2020. Effect of Oral Aleurone Supplementation on Glucose and Insulin Dynamics of Horses in Training. Oral presentation. 11th International Conference Equine Exercise Physiology (ICEEP), Uppsala, Sweden, June 2022

7. De Maré, Lorie, Berit Boshuizen, Constance De meeûs, Lukas Plancke, Carmen Vidal Moreno de Vega, Jean de Oliveira, Yannick Gansemans, Filip Van Nieuwerburgh, Dieter Deforce, and Catherine Delesalle. 2020. Validation of a New LMS (Lactate Minimum Speed) Exercise Test for Optimal Assessment of the Aerobic Window of Sport Horses. In Proceedings of the 13th ECEIM Congress, 37.

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