

Curriculum Vitae

Personalia



Name: Dr. Inge Dagmar Wijnberg
Date of birth: 28th of October 1965
Place of birth: Leeuwarden, The Netherlands, NL
Address: Eikenlaan 2b, 3749 AG Lage Vuursche, NLD

Education

2018: 16-21 april 2018 GOLAMA course AMC,NLD
2017: 14-27 oktober 2017 BIUPAMA course AMC, NLD
2004 - De facto Specialist European College of Equine Internal Medicine
2002 - PhD: "The diagnostic possibilities on EMG needle examination in the horse."
2001 - Art. 9 officer (Laboratory Animal Officer).
2000 - Specialist KNMvD Equine Internal Medicine
1990 - Postdoctoral grade Veterinary Medicine, Utrecht University "with Merits" (met
genoegen").
1987 - Doctorate Veterinary Medicine.
1984 - Propadeuse Veterinary Medicine.
1983 - Start study Veterinary Medicine, Utrecht University, NL.
1983 - Graduation Gymnasium beta of the RSG "Winkler Prins" Veendam.
1977 - Gymnasium beta at the RSG "Winkler Prins" Veendam.
1972 - Primary school "het Kompas", second and third year in one year.

Additional qualifications/ courses

2018- Golama course on health care in low income countries. Academic Medical Centre, Amsterdam, NL and KIT(Koninklijk Instituut voor de Tropen) Amsterdam NL.
2017- BIUPAMA course infectious diseases and exotic pathology, Dept of Infectious diseases and Tropical Medicine, Academic Medical Centre, Amsterdam, NL.
2013- SKO- (senior qualification teaching) Utrecht University, NL .
2005 - BKO (basic qualification teaching) Utrecht University, NL.
2001- Course scientific writing in the English Language.
1996- Preceptor ship cardiology and ultrasound of 10 weeks, University of Pennsylvania, USAs supervised by Prof. Dr. Virginia Reef.
1991- Laboratory training Dept Immunobiology RIVM, Bilthoven, The Netherlands; supervised by Prof. A. Osterhaus.
1989- Course Tropical Veterinary Medicine supervised by Prof. dr. F. Jongejans and Pathology Exotic Animals UU, NL. Supervised by Prof. dr. P. Zwart).
1988 - Study in the United States of America in order to achieve an additional Doctorate grade. (Intensive care, radiology, anesthesiology, Equine medicine and Surgery Univ. Missouri, preceptor ship Brookfield Zoo).

Management/coaching courses

2012- The lecturer as coach
1012- Coaching of promovendi

- 2011- Interpersonal functionality, Bureau Turner, NL
- 2009- Personal functionality in work situations by Team Time, NL
- 2008 - Post Academical Education course: Leadership for (Young) Professionals
Utrecht, School of Governance (USBO). Utrecht University, NL
- 2004 - Handling emotions during stressfull work situations by School for
Coaching, NL

Employment

- 2016- September 2016- current: Senior advisor (microbiology) and bioterrorism CEAG (Coördinatie centrum Expertise Arbeidsomstandigheden en Gezondheid/ Expert Center Force Health Protection) Ministry of Defence Doorn, NL
- 2016- September 2016- current 20 /100 position as Assistant Professor Equine Internal Medicine, Dept. of Equine Sciences. Fac. Vet. Med. Utrecht University, NL. Research and organization, clinical teaching, post-academical training.
- 2003 - September 2016 : Assistant Professor Equine Internal Medicine, Dept. of Equine Sciences. Fac. Vet. Med. Utrecht University, NL. Tasks: research and organization, bachelor organization and (pre)clinical teaching, post-academical training , patient care as Specialist Equine Internal Medicine
- 2002 - Junior professor/ Scientist / Veterinary Specialist, Dept. of Equine Sciences, Internal Medicine Section, Utrecht University. "Graduate School of Animal Health". Research performance and organization, and preclinical teaching, clinical teaching.
- 1999 - Specialist Equine Internal Medicine KNMvD. Internal Medicine Section and Nutrition of Large Animals, Fac. Vet Med. Utrecht University.
- 1995 - Resident in Equine Internal Medicine at section of Internal Medicine, Dept of Large Animal Medicine and Nutrition, Faculty of Veterinary Medicine, Utrecht University. Veterinarian mixed practice de Meern/Vleuten.
- 1994 - Management, evaluation and supervisor of a cow transport of 1000 Holstein Friesian cows to Ukraine; continued practical work Hallum/Ferwerd until
- 1993 - Junior Researcher Department of Immunobiology of the RIVM in Bilthoven, Supervision by Prof Dr. A. Osterhaus. Lecturer Seal Sanctuary Pieterburen. Veterinarian Culemborg small animal practice
- 1991 - Veterinarian in mixed private practice DAP Didam
- 1990 - Veterinarian in mixed private practice in Woerden.
- 1984 - 1990: Weekend-children-farm supervisor in Utrecht Kanaleneiland

National (research) cooperation

- TNO Rijswijk, NL
- KNHS, Ermelo, NL
- Animal Breeding and Genetics Centre, Wageningen UR, Livestock Research, NL
- Department of Toxicology RIVM , Bilthoven, NL
- Department of Pharmacology and Toxicology, Faculty of Veterinary Medicine, Utrecht,NL
- Dept Biochemistry Wilhelmina Children's Hospital, Utrecht UMCU, Department of clinical neurophysiology (EMG), Utrecht, NL
- Dept Biochemistry and Metabolic, Radboud Hospital Nijmegen,NL
- Dept Immunobiology Erasmus University, Rotterdam, NL
- IRAS, Faculty of Veterinary medicine, Utrecht,NL
- UMCU, Dept. of Pharmacology, Utrecht, NL
- UMCU, Dept. of Neurology, Utrecht, NL
- UMCU, Dept of Clinical Neurophysiology, Utrecht
- UMCU, Department of (neuro)Pathology, Utrecht
- UMCU, Department of Radiotherapy, Utrecht.

- UMCG, Department of Movement Technology, Groningen, NL
- The Hague School for Movement Technology, The Hague, NL
- UMCL, Department of Clinical Neurophysiology (AEEG), Leiden, NL
- Dept. Movement Sciences, Medicine Faculty, University Maastricht, NL

International (research) cooperation partners

- NATO Food water safety and Veterinary services Working group
- NATO Counter improvised Explosive Military Working Dog Panel
- NATO Biomed Panel
- EDA (European Defence Agency),CAPTECH Human Factors and CBRN Brussel, Belgium
- University of Barcelona, Spain : EMG normative data+ training Prof Cunnileras in EMG
- University of Bern, Switzerland: EMG in clinical neck cases, correlation with imaging+ training staff member University hospital
- University of Brno, Czech Republic: clinical and theoretical training neurology and cardiology requested
- University of Buenos Aires Argentina: workshops and theory training on location
- University of Cordoba, Spain: Research on surface EMG in stringhalt horses.Workshops and theory training; research cooperation phenotype bended neck crest Andalusian horses and Friesian (on hold)
- University of Hannover, Germany: research phosphor metabolism cows, ongoing second study in preparation if funding is definitive
- University of La Plata Argentina: workshop and theory training on location
- University of Pennsylvania, USA : MRV research
- University of St George, Grenada, WI: Visiting professor in neuro, muscle, neonate, cardio
- University of Zurich, Switzerland: Research genetic abnormalities NF and Haflinger
- Rossdale's , Newmarket, UK: research Atrial fibrillation effect of medication.

Relevant research organization experience

- Development protective devices in cooperation TU Enschede, NLD and MOD USA.
- Project coordinator diagnostic research TNO for CBRN division Ministry of Defence
- Governmental Expert NLD for the EDA (European defence agency) CAPTECH (Capability Technology) CBRN (chemical, biological, Radiological, Nuclear agents) and Human Factors for Ministry of Defence.
- Initiation, development and participation of Research project on outcome of 10 years of Cardiac patients of the UKP population in cooperation with Dept. of Diagnostic Imaging, UU, NL 2016-
- Initiation, development and participation of Research project developing TAEEM interpretation cards in cooperation with Dept. of Clinical Neurophysiology WKZ, UMC Utrecht, UU, NL.2017-
- Initiation, development and participation of Research project on cardiac markers in elite sport horses in cooperation with the KNHS, 2015-
- Initiation, development and participation of Research project on telemetric ambulatory EEG (TAEEM) in horses, Fac. Vet. Med., UU, NL.2014-16.
- Initiation, development and participation of Research project on Brain stem auditory responses measurements in horses, in cooperation with Dept. of Clinical Neurophysiology WKZ , UMC Utrecht, UU, NL.2015-17.
- First co-promotor PhD tract LJ Hardeman The potential role of *Clostridium Botulin* in the treatment of Equine Laminitis. 2016. Initiation, design and coaching.
- Initiation, development and participation of Research project on efficacy of regulation of AF

in Royal Dutch Sport horses in cooperation with Dr. C. Marr, Rosedale's, UK.2015.

- Initiation, development and participation of Research project on effect of training in Cardiac parameters in Elite Royal Dutch Sport horses, in cooperation with Dept. of Diagnostic Imaging, UU, NL.2013-14.
- Participation research project on Goat dystonia in cooperation with Dept. of Food Animal, UU, NL.2013-ongoing.
- Development and participation of Research program on Hypophosphatemia in Dairy cattle in cooperation with Dept. of Food Animal, UU, NL and University of Hannover, Germany, 2012-ongoing.
- Development and supervision research project on HRV in endurance horses in cooperation with Dr. M. Sleeper, UPenn, USA. 2011-12.
- Initiation, development and participation Research project Clinical relevance of Neck lesions in foals and adult horses in cooperation with Dept. of Pathobiology and Diagnostic Imaging, UU, NL. 2008- ongoing.
- Research on congenital Myotonia in NF ponies together with University of Bern, Swiss.
- Initiation and Development of the "Excellent Trace" Research project, Faculty of Veterinary Medicine Botox[®] as a potential treatment of acute laminitis. 2010-15.
- Participation in PhD project University of Cordoba, Spain of Dr. C. Rodriguez on surface EMG and locomotion in horses.
- First co-promotor: The effect of Head and neck position on the equine Athlete. J. Sleutjens. ISBN: 978-90-5335-692-0. Initiation, designs and coaching.
- Initiation and Development of the "Excellent Trace" Research project, Faculty of Veterinary Medicine 2008-09 on the topic of influence of equine head and neck position on variables of respiratory, neuromuscular and welfare parameters including HRV.
- Initiation and Development of Research project, Faculty of Veterinary Medicine. Botox[®] as a potential treatment of hypermetria/spasticity in the horse. 2010.
- Initiation and organization pharmacological research study on dose interval of Cefquinome in (neonatal) foals versus adults in cooperation with the Dept. of Pharmacology and Toxicology and the industry (Intervet) 2007-2008.
- Member research team PhD of Dr. C. Westermann on the topic of metabolic myopathies in the horse 2005-2008.
- Copromotor Dr. Klien van Dam "Training induced adaptations in horse skeletal muscle" Faculty of Medicine, University of Maastricht. 2003-2006.
- Initiation and co-organization PhD program of 3 AIO's Internal Medicine Section, joint venture Fac. of Medicine Maastricht and Fac. Vet. Med. Utrecht. 2002-2007.
- Initiation and organization Clinical trial on the use of Phenytoin in ventricular dysrhythmias 2000.
- Initiation development clinical neurophysiology Equine Section, UU in conjunction with UMC Utrecht and division Neurophysiology and (neuro) Pathology since 1999.

Governmental / organization experience

- 2018- Secretariat IBCT MOD
- 2017- Dutch MOD representative NATO cIED military working dog panel.
- 2016- Expertise Point of contact Veterinary affairs
 - MOD military working dog
 - MOD Transport hygiene
- 2016- Dutch MOD representative NATO Biomed panel.
- 2016- Dutch MOD representative for NATO Food water safety and Veterinary services Working group
- 2014-september 2016- Member Faculty educational program committee

- 2012-september 2016- Member Faculty quality control basic and senior qualification committee
- 2012-september 2016- Chairman Educational Committee Clinical reasoning second year bachelor.
- 2009-2011- Chairman Educational Program Committee Bachelor development Clinical Reasoning (UU).
- 2007-2016- Member Hygiene Committee.
- Since 2006 Member Resident Faculty Residence Committee.
- 2006-september 2016- Chairman Educational Committee Bachelor program development Circulation,
Member Bachelor program Committee Neurology and
Member Bachelor Program Committee Clinical Lessons. (UU).
- Since 2004 Program Director European College of Equine Internal Medicine UU.
- 2002-2016 Tutor Professional Behaviour UU.
- 1996-2016 September. Supervision and organisation of Neonatal Foal ICU.

Other governmental experiences

- 2017-: Project manager research Bio threat TNO- MOD
- 2017-: Project manager research Diagnostic in Bio threats with TNO-MOD
- 2017: President Board of members Animal Protection Society the Netherlands (DB Nederland)
- 2017-: member AANN research group
- 2017 -: Dutch representative MOD NLD in NATO Counter improvised Explosive Military Working Dog Panel
- 2016: Dutch representative MOD NLD in NATO Biomed Panel
- 2016-: EDA CAPTECH CBRN expert advisor for MOD NLD , European Defence Agency, Brussel, Belgium
- 2010-september 2016: LO member UU Abvakabo (Co-direction Union for employees Utrecht University)
- 2008-september 2016: Board of direction (participation Union) UU Abvakabo
- 2004-2015: Member Technical Committee KNMvD (Post Academical Education)
- 2015-current: Vice president Board of members Animal Protection Society the Netherlands
- 2012-15: Member Board of Direction Animal Protection Society region Utrecht
- 2000-2002: Member PODium, for PhD students.
- 1995-2001: VVE chairman Antonie van Leeuwenhoeklaan Soesterberg, NL
- 1987: Member Student representative Committee 4th yr. Fac. Veterinary Medicine, UU, NL

Varia

- Specialty Chief Editor . Frontiers in Veterinary Science. Section Comparative and Clinical Medicine since 2016.
- Member expert panel Baekeland VLAIO BE 2016: evaluation for funding
- Veterinary Advisor Dutch Top Animal: advisor supplement producer
- Member scientific committee ECEIM congress November 2015 Utrecht NL
- Member scientific committee 7th congress on EEHNC March 2015 Gent BE
- Member Specialization Committee KnMvD since 2013
- Veterinary Advisor DARC (Dutch Arabian Race horse Society) since 2013

- Visiting Professor Universidad Nacional del Litoral, Argentina. Topic: Equine Cardiology. 27th March -1th April 2014
- Visiting Professor St George University Grenada West Indies. January 25th – February 15th 2014
- Member PhD Defense Committee of Dr. Cristova Navas de Solis PhD Thesis on Studies in Equine Cardiology. University of Barcelona, Spain. December 4rd 2013
- Visiting Professor EU project at Faculty of Veterinary Medicine, Equine Clinic , Brno University, Brno, Cz. October 21st to 25th. 2013
- Contribution to: Chapter 10. In: Equine locomotion second ed. Eds W Back and Hilary Clayton. 2013. *The neck and back*, Claudia Wolschrijn, Fabrice Audigé, Inge D. Wijnberg, Christopher Johnson, Jean- Marie Denoix ,Willem Back . pp. 199-227
- Referee for expert opinion on research project submitted to Pet Charitably Trust UK 2012.
- Member Veterinary inspection Committee Stud Book Dutch miniature horses 2005-2014
- Invited speaker Second World Arabian Racing Conference, Berlin NL 8th June 2012 “Veterinary matters and Nutrition”
- Invited speaker “The role of women in Arabian horse racing” Second World Arabian Racing Conference, the Hague, NL 17th June 2011
- Member Scientific Committee 7th ISES Conference 2011
- Publication “ Diergeneeskundig memorandum “ no 1. 2011. Equine Cardiology. (Co-authors M. van Emst, B. Gorrissen and S. Veraa)
- Member Scientific Committee VJD 2007-2010

Funding

- Co -author funding request phosphate study cows with Hannover
- Main author funding request KNHS cardiac marker study
- Co -author funding request co research with Dept. of Pathobiology, pathology section on neck pathology and correlation with pathology and diagnostic imaging
- Provider scientific motivation funding telemetric EEG system (St.Nydier) and research study (UKP)
- First author funding request cardiology research with Diagnostic Imaging on echocardiography in Elite sport horses.
- Main author funding request study BEAR testing
- Main author funding requests master study on Immunoglobuline diagnostic tests
- Motivator for private funding PhD tracts Dr. J. Sleutjens/ Dr. L.C. Hardeman
- Main author funding request Intervet cephalosporin research

Lekenartikelen:

2017

Doof paard: schrikachtig of juist niet? Bit 2017

List of published scientific publications

1. Bergmann W, Bergknut N, Veraa S, Gröne A, Vernooij H, [Wijnberg, ID](#), Back W, Grinwis GCM. Intervertebral Disc Degeneration in Warmblood Horses: Morphology, Grading, and Distribution of Lesions. *Vet Pathol.* 2018 Jan 1:300985817747950. doi: 10.1177/0300985817747950. [Epub ahead of print] PubMed PMID: 29301464.
2. [Wijnberg, I.D.](#), S.H. Franklin. The heart remains the core: cardiac causes of poor performance in horses compared to human athletes. *Comparative Exercise Physiology, Special issue on critical issues for equine performance.* 2017; 13 (3): 149-174. ISSN 1755-2540, ISSN 1755-2559 online, DOI 10.3920/CEP170012.
3. Veraa S, Bergmann W, van den Belt AJ, [Wijnberg, I.D.](#), Back W. Ex vivo- computed, tomographic evaluation of morphological variations in equine cervical vertebrae. *Veterinary Radiology & Ultrasound*, sept 57(5) 482-488, 2016.
4. [Wijnberg, I.D.](#), Franssen, H. The potential and limitations of quantitative electromyography in equine medicine. *Veterinary Journal*. On invitation. *Vet J.* (209) 23–31, 2016
5. Jose-Cunilleras, E., [Wijnberg, I.D.](#) Quantitative motor unit action potential analysis of supraspinatus, infraspinatus, deltoideus and biceps femoris muscles in adult Royal Dutch sport horses. *Equine Veterinary Journal*, 48 (2), pp. 234-239, 2016.
6. Hardeman, L.C., van der Meij, B.R., Back, W., van der Kolk, J.H., [Wijnberg, I.D.](#) The use of electromyography interference pattern analysis to determine muscle force of the deep digital flexor muscle in healthy and laminitic horses *Veterinary Quarterly*, 36 (1), pp. 10-15, 2016.
7. Grünberg, W., Scherpenisse, P., Dobbelaar, P., Idink, M.J., [Wijnberg, I.D.](#) The effect of transient, moderate dietary phosphorus deprivation on phosphorus metabolism, muscle content of different phosphorus-containing compounds, and muscle function in dairy cows (2015) *Journal of Dairy Science*, 98 (8), pp. 5385-5400.
8. Ploeg, M., Gröne, A., Saey, V., de Bruijn, C.M., Back, W., van Weeren, P.R., Scheideman, W., Picavet, T., Ducro, B.J., [Wijnberg, I.D.](#), Delesalle, C. Oesophageal Dysfunction in Friesian Horses: Morphological Features. *Veterinary Pathology*, 52 (6), pp. 1142-1147, 2015.
9. [Wijnberg, I.D.](#), Bergmann, W., Veraa, S. Neurological neck problems, diagnostics and prognosis in the horse [Diagnose und prognose neurologischer erkrankungen der halswirbelsäule beim pferd]. On invitation. *Praktische Tierarzt*, 96 (2), pp. 150-158, 2015
10. Lotstra RJ, van den Broek J, Power T, Marr CM, [Wijnberg ID](#). Clinical Research Abstracts of the British Equine Veterinary Association Congress 2015. *Equine Vet J.* Sep;47 Suppl 48:28. P63. 2015 doi: 10.1111/evj.12486_63.
11. G. J. Zandstra, [I.D. Wijnberg](#). Evaluation of several screening tests for determination of the IgG concentration of foals with turbidimetric immunoassay as reference method. *Proceedings BEVA UK 2015.* *Equine Vet J.* Sep; 47 Suppl 48 P 92-93, 2015 doi: 10.1111/evj.12486_36.
12. Hardeman LC, van der Meij BR, Back W, van der Kolk JH, [Wijnberg ID](#). Clinical Research Abstracts of the British Equine Veterinary Association Congress 2015. *Equine Vet J.* Sep;47 Suppl 48:16. 2015 doi: 10.1111/evj.12486_36.

13. Sleutjens J, Cooley AJ, Sampson SN, [Wijnberg ID](#), Back W, van der Kolk JH, Swiderski CE. The equine cervical spine: comparing MRI and contrast-enhanced CT images with anatomic slices in the sagittal, dorsal, and transverse plane. *Vet Q.* ;34(2):74-84. 2014. doi: 10.1080/01652176.2014.951129. Epub 2014 Aug 30.
14. L.Hardeman, B. v.d. Meij, [I.D.Wijnberg](#). Determination of equine deep digital flexor muscle volume based on distances between anatomical landmarks. *Research in Veterinary Science*, 97 398–400, 2014.
15. Smiet, E., Dierendonck, M.C.V., Sleutjens, J., Menheere, P.P.C.A., van Breda, E., de Boer, D., Back, W., [Wijnberg, I.D.](#), van der Kolk, J.H. Effect of different head and neck positions on behaviour, heart rate variability and cortisol levels in lunged Royal Dutch Sport horses . *Veterinary Journal*, Vol 202, Issue 1, 26-32, 2014.
16. [Inge D. Wijnberg](#), Justin Maarse, Willem te Kampen, Stephanie Veraa. Cardiac morphology and heart murmurs in elite Dressage and Eventing horses. *Proceedings ICEEP Chester UK* **EVJ** S46, p 26. 2014.
17. [Wijnberg, I.D.](#), Hardeman, L.C., van der Meij, B.R., Veraa, S., Back, W., van der Kolk, J.H. The effect of Clostridium botulinum toxin type A injections on motor unit activity of the deep digital flexor muscle in healthy sound Royal Dutch sport horses. *Veterinary Journal*, 198 (SUPPL1), pp. E147-E151.2013.
18. Oosterlinck, M., Hardeman, L.C., van der Meij, B.R., Veraa, S., van der Kolk, J.H., [Wijnberg, I.D.](#), Pille, F., Back, W. Pressure plate analysis of toe-heel and medio-lateral hoof balance at the walk and trot in sound sport horses . *Veterinary Journal*, 198 (SUPPL1), pp. e9-e13. 2013.
19. Hardeman, L.C., van der Meij, B.R., Oosterlinck, M., Veraa, S., van der Kolk, J.H., [Wijnberg, I.D.](#), Back, W. Effect of Clostridium botulinum toxin type A injections into the deep digital flexor muscle on the range of motion of the metacarpus and carpus, and the force distribution underneath the hooves, of sound horses at the walk. *Veterinary Journal*, 198 (SUPPL1), pp. e152-e156. 2013.
20. [Wijnberg ID](#); van der Ree M; van Someren P. The applicability of ambulatory electroencephalography (AEEG) in healthy horses and horses with abnormal behavior or clinical signs of epilepsy. *Vet Quarterly* 33 (3), pp. 121-131. 2013.
21. te Pas, M.F.W., [Wijnberg, I.D.](#), Hoekman, A.J.W., de Graaf-Roelfsema, E., Keizer, H.A., van Breda, E., Ducro, B., van der Kolk, J.H. Skeletal muscle transcriptome profiles related to different training intensities and detraining in Standardbred horses: A search for overtraining biomarkers. *Veterinary Journal* 197 (3) , pp. 717-723.2013
22. van der Kolk, J.H., Boelens, R., Halkes, S.B.A., [Wijnberg, I.D.](#), de Sain-van der Velden, M.G.M., Ippel, J.H. Some notes on fatal acquired multiple acyl-CoA dehydrogenase deficiency (MADD) in a two-year-old warmblood stallion and European tar spot (*Rhytisma acerinum*). *Veterinary Quarterly*, 33 (1), pp. 51-55. 2013
23. van der Ree M, [Wijnberg I. D.](#) A review on epilepsy in the horse and the potential of Ambulatory EEG as a diagnostic tool. *Veterinary Quarterly*. 2012 Sep;32(3-4):159-67. Epub 2012 Nov AEEG in horses, a review.

24. Ankringa, N., [Wijnberg, I.D.](#), Boerma, S., Ijzer, J. Copper-associated hepatic cirrhosis in a Friesian horse.(2012) *Tijdschrift voor diergeneeskunde*, 137 (5), pp. 310-314.
25. [Wijnberg, I.D.](#), Owczarek-Lipska, M., Sacchetto, R., Mascarello, F., Pascoli, F., Grünberg, W., van der Kolk, J.H., Drögemüller, C. A missense mutation in the skeletal muscle chloride channel 1 (CLCN1) as a candidate causal mutation for congenital myotonia in a New Forest pony (2012) *Neuromuscular Disorders*, 22 (4), pp. 361-367
26. de Graaf-Roelfsema, E., Keizer, H.A., van Breda, E., [Wijnberg, I.D.](#), van der Kolk, J.H. Effects of intensified training and subsequent reduced training on glucose metabolism rate and peripheral insulin sensitivity in standardbreds. (2012) *American Journal of Veterinary Research*, 73 (9), pp. 1386-1393.
27. Sleutjens, J., Smiet, E., van Weeren, R., van der Kolk, J., Back, W., [Wijnberg, I.D.](#) Effect of head and neck position on intrathoracic pressure and arterial blood gas values in Dutch Warmblood riding horses during moderate exercise. (2012) *American Journal of Veterinary Research*, 73(4), pp. 522-528.
28. Smiet, E., Haritova, A., Heil, B.A., Fink-Gremmels, J., [Wijnberg, I.D.](#) Comparing the pharmacokinetics of a fourth generation cephalosporin in three different age groups of New Forest ponies.(2012) *Equine Veterinary Journal*, 44 (SUPPL. 41), pp. 52-56.
29. Westermann, C.M., Dorland, L., [Wijnberg, I.D.](#), de Sain-van der Velden, M.G.M., van Breda, E., Barneveld, A., de Graaf-Roelfsema, E., Keizer, H.A., van der Kolk, J.H. (2012)Amino acid profile during exercise and training in Standardbreds. *Res in Vet Sci*.
30. [Wijnberg, I.D.](#), Graubner, C., Auriemma, E., van de Belt, A.J., Gerber, V. Quantitative motor unit action potential analysis in 2 paraspinal neck muscles in adult Royal Dutch Sport Horses(2011) *Journal of Veterinary Internal Medicine*, 25 (3), pp. 592-597.
31. Graaf-Roelfsema, E., Keizer, H.A., [Wijnberg, I.D.](#), Van Der Kolk, J.H. The incidence and severity of gastric ulceration does not increase in overtrained Standardbred horses(2010) *Equine Veterinary Journal*, 42 (SUPPL. 38), pp. 58-61.
32. Elgersma, A.E., [Wijnberg, I.D.](#), Sleutjens, J., Van Der Kolk, J.H., Van Weeren, P.R., Back, W.A pilot study on objective quantification and anatomical modelling of in vivo head and neck positions commonly applied in training and competition of sport horses(2010)*Equine Veterinary Journal*, 42 (SUPPL. 38), pp. 436-443.\
33. [Wijnberg, I.D.](#), Sleutjens, J., Van Der Kolk, J.H., Back, W. Effect of head and neck position on outcome of quantitative neuromuscular diagnostic techniques in Warmblood riding horses directly following moderate exercise(2010) *Equine Veterinary Journal*, 42 (SUPPL. 38), pp. 261-267.
34. Sleutjens, J., Voorhout, G., Van Der Kolk, J.H., [Wijnberg, I.D.](#), Back, W. The effect of ex vivo flexion and extension on intervertebral foramina dimensions in the equine cervical spine(2010) *Equine Veterinary Journal*, 42 (SUPPL. 38), pp. 425-430.
35. van der Kolk JH, [Wijnberg ID](#), Westermann CM, Dorland L, de Sain-van der Velden MGM, Kranenburg LC, Duran M, Dijkstra JA, van der Lugt JJ, Wanders RJA, Gruys E. Equine acquired multiple acyl-CoA dehydrogenase deficiency (MADD) in 14 horses associated with ingestion of

Maple leaves (*Acer pseudoplatanus*) covered with European tar spot (*Rhytisma acerinum*). *Molec Genet and Metab.* 2010; 101 (2-3): 289-291.

36. [Grünberg W](#), [Sacchetto R](#), [Wijnberg I.D.](#), [Neijenhuis K](#), [Mascarello F](#), [Damiani E](#), [Drögemüller C](#). Pseudomyotonia, a muscle function disorder associated with an inherited ATP2A1 (SERCA1) defect in a Dutch Improved Red and White cross-breed calf. [Neuromuscul Disord](#). 2010 Jul; 20(7):467-70.
37. Bowman FG, van Ginneken MM, Noben JP, Royackers E, de Graaf-Roelfsema E, [Wijnberg ID](#), van der Kolk JH, Mariman EC, van Breda E. Differential expression of equine muscle biopsy proteins during normal training and intensified training in young standardbred horses using proteomics technology. *Comp Biochem Physiol Part D Genomics Proteomics*. 2010 Mar;5(1):55-64. Epub 2009 Nov 13.
38. de Graaf-Roelfsema E, Veldhuis PP, Keizer HA, van Ginneken MM, van Dam KG, Johnson ML, Barneveld A, Menheere PP, van Breda E, [Wijnberg ID](#), van der Kolk JH. Overtrained horses alter their resting pulsatile growth hormone secretion. *Am J Physiol Regul Integr Comp Physiol*. 2009 Aug;297(2):R403-11
39. Westermann CM, Dorland L, Votion DM, de Sain-van der Velden MG, [Wijnberg ID](#), Wanders RJ, Spliet WG, Testerink N, Berger R, Ruiter JP, van der Kolk JH. Acquired multiple Acyl-CoA dehydrogenase deficiency in 10 horses with atypical myopathy. [Neuromuscul Disord](#). 2008 May;18(5):355-64. Epub 2008 Apr 11.
40. [Wijnberg ID](#), van Dam KG, de Graaf-Roelfsema E, Keizer HA, van Ginneken MM, Barneveld A, van Breda E, van der Kolk JH. (Over) trainings effects on quantitative electromyography and muscle enzyme activities in Standardbred horses. *J Appl Physiol*. 2008 Dec;105(6):1746-53. Epub 2008 Oct 2.
41. van den Burg MM, Eizema K, de Graaf-Roelfsema E, van Breda E, [Wijnberg ID](#), van der Kolk JH, Everts ME. Effects of acute exercise and long-term exercise on total Na⁺,K⁺ -ATPase content and Na⁺,K⁺ -ATPase isoform expression profile in equine muscle. *Am J Vet Res*. 2009 Jul;70(7):895-901.
42. [Wijnberg ID](#). Schrama,SAE., Elgersma, AE., Maree, JTM, de Cocq P, and Back, W. Quantification of surface EMG signals to monitor the effect of a Botox[®] treatment in six healthy ponies and two horses with stringhalt. [Equine Vet J](#). 2009 Mar;41(3):313-8.
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Proceedings/presentations at scientific meetings as first author.

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 - a. The neurological exam
 - b. Differential diagnosis of equine ataxia
 - c. Epilepsia in the horse
 - d. Headshaking syndrome
2. Wijnberg ID. Identification and evaluation of the neurological patient using surface EMG: what are the possibilities?. Proceedings LBH: 9th Leipziger Tierärztekongress – Tagungsband 2. P 204-209 18-20 januari 2018. **On invitation.**
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4. Inge D. Wijnberg , Lotte C. Hardeman , Bram R. van der Meij, Maarten Oosterlinck, Stefanie Veraa, Johannes H. van der Kolk , Willem Back, Wijnberg ID, Hardeman L. The effect of Clostridium botulinum toxin type A (Botox) injections into the deep digital flexor muscle in sound horses and the potential to treat laminitic horses. Proceedings conference on Clinical Microbiology and CLinical Pharmacology 18-21 october 2017. Rome Italy. **On Invitation.**
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6. Wijnberg ID. The role of neurophysiological techniques in diagnosing neck problems. German Equine Veterinary Association, GEVA. 28 October 2016. Berlin, GER. Proceedings GEVA 28-29 Oct 2016 GER. pp. 39-46. **On invitation.**
7. Wijnberg ID. The heart remains the core: the basis of cardiology and causes of poor performance. ICEEP Midterm meeting. 14 October 2016. **On invitation**
8. I.D. Wijnberg, D.M. Dickhoff. Sports performance of descendants of CLCN1 gene mutation carrier New Forest Pony Stallions. Proceedings ECEIM 2015, Utrecht NL, p 104.
9. I.D. Wijnberg. Practical application of EMG in horses. Proceedings ECEIM 2015 Utrecht NL, p 21-25. **On invitation.**
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14. Inge D. Wijnberg. The practical application of Quantitative EMG. Proceedings ACVIM, June 2013, Seattle, USA. pp. 263-265. **On invitation.**
15. Inge D. Wijnberg , Lotte C. Hardeman , Bram R. van der Meij , Stefanie Veraa , Willem Back , Johannes H. van der Kolk. The use of needle electromyography to quantify the effect on muscle activity after Clostridium botulinum toxin type A (Botox) injection in the deep digital flexor muscle in healthy sound Royal Dutch Sport horses. Proceedings ICEL 7 Sweden, June 2012. P154.
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19. I.D. Wijnberg. Tissue oxygen delivery in (problematic) neonate foals, a complex matter for the clinician. Proceedings EVECCS, Utrecht, the Netherlands June 2011. pp. 163-170. **On invitation.**
20. I.D. Wijnberg, Sleutjens J, Van Der Kolk JH, Back W. Effect of head and neck position on outcome of quantitative neuromuscular diagnostic techniques in Warmblood riding horses directly following moderate exercise. ICEEP8, Cape town South Africa.
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28. I.D. Wijnberg, S.A.E. Schrama, A. Elgersma, J.T.M. Maree, P. de Cocq en W. Back. Quantification of surface EMG signals in healthy ponies and in two warmbloods with stringhalt treated with Botox® . Proceedings ICEL 6 2008, Cabourg, France. Proceedings p. 53.
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31. I.D. Wijnberg, S.A.E. Schrama, J.T.M. Maree, P. de Cocq en W. Back. Botox® als een nieuw wapen tegen hanentred. Proceedings Symposium 2007 UKP Utrecht, the Netherlands. p. 35.
32. I.D.Wijnberg. Het verschil in bloedparameters tussen veulen en volwassen paard, en wanneer stuur ik een ziek veulen door. Proceedings Symposium Bloedlink van jongs af aan leren interpreteren. Vhiver december 2006. s pp 36-39.**On Invitation.**
33. I.D. Wijnberg. EMG differences in myopathy and neuropathy. Proceedings Espom Aachen GER, Aug. 2006. pp. **On Invitation.**
34. I.D.Wijnberg. K van Dam, E. de Graaf-Roelfsema, H.A. Keizer, E. van Breda, and J.H. van der Kolk. Electromyographic analysis in Standardbreds during early overtraining. Proceedings ICEEP Aug. 2006 Fontainebleau France. p. 85.
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Proceedings co-author since 2011

1. N. D’Fonseca, [I.D.Wijnberg](#), M de Ruiter-Villani, C. Navas de Solis, , E. Roelfsema. The nfluence of an excessice diet rich in fat and Carbohydrates on blood pressure in Shetland pony mares over time. Proceedings ECEIM 2017. Budapest, Hongary.
2. E. Roelfsema, M. E. Harmannij, M de Ruiter-Villani, C. Navas de Solis, [I.D.Wijnberg](#). Residual effects of high energy diet on blood pressure in obese Shetland ponies. Proceedings ECEIM 2015 Utrecht, NL p 124.
3. R.J.Lotstra, J van den Broek, T. Power, C.M. Marr, [I.D. Wijnberg](#). Retrospective observational study on the outcome of medical treatment of atrial fibrillation. Proceedings BEVA UK 2015. p264. . Equine Vet J. 2015 Sep;47 Suppl 48:28. doi: 10.1111/evj.12486_63.
4. L.C. Hardeman, B.R.vd Meij, W. Back, J.H.van der Kolk, [I.D.Wijnberg](#). The use of electromyography including interference pattern analysis to determine muscle force of the deep digital flexor muscle in case of equine laminitis. Proceedings BEVA UK 2015. P253. Equine Vet J. 2015 Sep;47 Suppl 48:16. doi: 10.1111/evj.12486_36.

5. G. J. Zandstra, [I.D.Wijnberg](#). Evaluation of several screening tests for determination of the IgG concentration of foals with turbidimetric immunoassay as reference method. Proceedings BEVA Uk 2015. P 92-93. Equine Vet J. 2015 Sep;47 Suppl 48: doi: 10.1111/evj.12486_36.
6. Westermann, CM, [Wijnberg ID](#). Quantitative EMG of the Dorsal cricoarythenoid muscle (DCAM) in the standing unsedated horse. Proceedings WEAS. Calgary 2013, p35.
7. M. Oosterlinck, L.C. Hardeman, B.R. Van Der Meij, S. Veraa, J.H. Van Der Kolk, [I.D. Wijnberg](#), F. Pille, W. Back Pressure plate analysis of toe-heel and medio-lateral hoof balance at the walk and trot in sound sport horses. Proceedings ICEL 7, Stromsholm, Sweden 2012.p 93
8. C. Plaza , A.M. Galisteo F. Miró , J.M. Vilar , L. Hardeman , B. Van der Meij , W. Back, [I. D. Wijnberg](#). Electromyography activity of the extensor and flexor muscles of the carpus in warmblood horses at the walk and the trot in hand. Proceedings 26 June ICEL 7 Stromsholm, 2012,Sweden p 55
9. Lotte C. Hardeman, Bram R. van der Meij, Maarten Oosterlinck, Stephanie Veraa, Johannes H. van der Kolk, [Inge D. Wijnberg](#), Willem Back. Clostridium botulinum toxin type A (Botox) injections into the deep digital flexor muscle modifies the locomotion of sound horses. Proceedings 28 June. ICEL 7 Stromsholm, Sweden 2012. p153
10. E.J Cunilleras, [I.D.Wijnberg](#). Quantitative motor unit action potential analysis of supraspinatus, infraspinatus, deltoideus and Biceps femoris muscles in adult Royal Dutch Sport horses. Proceedings ECEIM Edinburg. 2012 JVIM, vol26,2. L03. p 424.
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12. Plaza Rodríguez, Carolina,Miró Rodríguez, Francisco, Jonker Rianne, Van der Ree Marleen,Willem Back, [Wijnberg Inge](#). Comparison of electromyographic signals from the hind limb muscles of a healthy horse and a horse with severe stringhalt. XII International congress on equine medicine and surgery Sevilla Spain, 25 and 26 th of November 2011.
13. Plaza Rodríguez, Carolina, Martinez Galisteo, Alfonso,Lotte Hardeman, Van der Meij Bram,Willem Back,[Wijnberg Inge](#). Electromyography activity of the extensor and flexor muscles of the carpus in horses at trot. XII International congress on equine medicine and surgery Sevilla Spain, 25 and 26th of November 2011.
14. L.C. Hardeman, Van Der Meij , B.R.; [Wijnberg I.D.](#), Van Dierendonck, M; Van Der Kolk, J.H., Back.W. Objective detection of locomotion asymmetry using a 3D inertial sensor gait analysis –system in sound horses.7th ISES conference October Utrecht 2011 NL: p. 82.
15. B.R. van de Meij, L.C. Hardeman. A.A.H.Lamers, V.B.M. Gouverneur, [I.D.Wijnberg](#). Weight Estimation of horses and pony's using a commercial horse weight tape. Proceedings European Veterinary Conference Voorjaarsdagen 2011, Amsterdam, NL, p. 366.
16. M. van der Ree, P. van Someren, [I.D.Wijnberg](#). AEEG as a diagnostic tool for epilepsy in horses. Proceedings European Veterinary Conference Voorjaarsdagen 2011, Amsterdam, NL, p 370.

(Post) Academical Education on invitation

1. 2018. 26th of June . Equine Cardiology Workshop. Interpretation of Cardiac arrhythmias. Vhiver. Utrecht, NL. Lecture and practical sessions
2. 2017. 14th November. Equine Cardiology Workshop. Interpretation of Cardiac Murmurs. Vhiver. Utrecht, NL.
3. 2017. 6th October. Inge D. Wijnberg, Anneloes I. Herbold. Wat is de beste methode om een Brain Stem Auditory Evoked Potential test (BEAR) uit te voeren om het gehoor te testen bij het paard. Symposium UKP Paard en Tijd okt 2017 Utrecht NLD.
4. 2017. 29 September- 1 October. Equine Cardiology Case Days . ArbeidsGruppe Pferd. Tierklinik Lüsche, Germany.
5. 2017. 30-31th of March. Clinical workshop EMG. Evidensia Specialisthästsjukhuset Strömsholm.
6. 2016. 3rd of November. Equine Neonatology. Accreditation course. GGP KNMvD. Nijmegen.NL.
7. 2016. 16th October. ICEEP midterm meeting. EMG workshop. Utrecht, NLD.
8. 2016. 13th October . Equine Neonatology. Accreditation course. GGP KNMvD. Zwolle.NL
9. 2016.13th April. Staff presentation TAEEM in horses, what can we learn from human medicine. UMCU Utrecht, NL.
10. 2016. 9th March. Equine Neonatology. Accreditation course. GGP KNMvD. Zwolle.NL
11. 2016. 10-13th March. Workshop Equine Cardiology. Arbeids Gruppe Pferd. Munich, Germany Co-lecturers: Mary Durando, Gunther van Loon
12. 2016. February. Equine Neonatology. Accreditation course. GGP KNMvD. Vianen NL
13. 2015 7th October. Diseases of the foal. Vhiver Symposium Equine Reproduction. Utrecht NL.
14. 2015 Symposium UKP. I.D.Wijnberg: Een retrospectieve studie naar de uitkomst van medicinale behandeling van Atrium Fibrillatie.5th November. Utrecht NL
15. 2015. 5th November. Workshop EMG ECEIM congress. Utrecht, NL
16. 2015. 19-21th June Workshop neurological Case days. Munich, Ger. Cancelled by the organization.
17. 2015. 8th April FES. Practical application of EMG. De Bilt NL.
18. 2014. October. Acute death in Sport horses, a review. Vhiver Utrecht NL.
19. 2014. 18th September. Peripheral and central nerve injury, how to make a difference? 16th Lustrum Symposium Solleysel NL. Utrecht, NL.

20. 2014. 18th September. Headshaking in practice. 16th Lustrum Symposium Solleysel, Utrecht, NL
21. 2014.18th September. Clinical demonstration Neurological patient 16th Lustrum Symposium Solleysel Utrecht,NL.
22. 2014.1thApril. Cardiac workshop. Universidad Nactional del Litoral,Esperanza, Argentina.
23. 2014 29th March. Cardiac workshop. Cicade Buenos Aires, Argentina.
24. 2014. 31th March. Determination of clinical relevance of murmurs and arrhythmias in sport horses. Universidad National del Litoral, Esperanza, Argentina. **On invitation.**
25. 2014.31th March. Practical application of electromyography in medical and sportive conditions. Conferencia Internacional de Caballos de Deporte Cicade 2014, Buenos Aires, Argentina. **On invitation.**
26. 2014. January. Brain disorders affecting the horse: Vhiver, UU,Utrecht, NL
27. 2013. October: Horse Welfare & Equine Sports International Symposium Baarlo, NL.
Rollkur, updates on scientific research on this topic.
28. 2013. October 3rd. Proveto: Meet the expert, Neurologic or lame. Neuromuscular disorders, peripheral nerve disorders. Utrecht, NL.
29. 2013. October 18th-20th. Neurology Case Days. Arbeitsgruppe Pferd. Muggenhausen Germany. Co- lecturers Monica Aleman, Richard Piercy, Barry Grant.
30. 2013. April. Focus on Equine spine, Bodegraven NL. The practical application of EMG needle examination in the horse.
31. 2012. 27th November. Congenitale Myotonie. Minisymposium Vhiver fokkerij.
32. 2012. 3rd October. Symposium Solleysel. "Springen dansen rennen stoppen en weer doorgaan". Lid Wetenschappelijke advies commissie.
33. 2012. 29th February. Cardiac evaluation of the endurance horse in the field , what is relevant and what is not ? .Endurance Veterinarians of the Endurance society NL. Utrecht, NL.
34. 2012. December.Dutch equine Internal Medicine Specialist Meeting: Cardiology declarations endurance Sports horses. NL
35. 2011. 22th November. Boehringer Ingelheim Intervision: Welfare of the horse in relation to the neck
36. 2011. 4th November. Symposium UKP . [I.D.Wijnberg](#), M van der Ree, P van Someren. Ambulatory EEG, what, why and when.
37. 2011. 4th November. Symposium UKP. Esmee Smiet, Machteld van Dierendonck, Janneke Sleutjens, [Inge Wijnberg](#), Eric van Breda, Wim Back en Han van der Kolk. The Head and Neckposition, does it induce stress?.

38. 2011. 11th October. Vhiver: I.D.Wijnberg: Physiological an Pathological arrhythmias
39. 2011. 11th October. Vhiver: I.D.Wijnberg: Polyneuropathies.
40. 2011. 16th September GGP Lustrum: I.D. Wijnberg. Cervical spine: neurological diagnostics using EMG techniques
41. 2011. March. Boehringer Ingelheim Intervision: Equine Cardiology.
42. 2010. September. Boehringer Ingelheim Intervision: Welfare of the horse in relation to the neck.
43. 2010. 16th May. Basis of EMG and research applications. Equine Neurology Case Days. Bonn Germany.
44. 2010. April . EMND and Grass sickness. DANS . Voorjaarsdagen Amsterdam ,NL
45. 2009. April. Cardiac Workshop an lectures. Poor performance in athletic horses XII international course on equine sport horse. Cordoba 23-25 April 2009.
46. 2008. 1th October. Focus on Equine Spine, advanced course. Recent developments on EMG techniques including the application of Botox in hypermetric horses. Barneveld. The Netherlands.
47. 2008. 13th July: CESMAS conference on equine Sports Medicine and Science, the acute poorly performing sport horse. Workshop ECG/EMG. 2007 Focus on Equine spine, Barneveld. Focus on Equine spine, Barneveld. EMG plays an important role in neuromuscular locomotion disturbances.
49. 2007. Focus on Equine spine, Barneveld. The practical application of EMG needle examination in the horse.
50. 2005. Focus on Equine spine, Barneveld. EMG plays an important role in neuromuscular locomotion disturbances. 2005. Focus on Equine spine, Barneveld. The practical application of EMG needle examination in the horse.
52. 2004. 6-8th April. Invited workshop and lectures at Bristol University.
53. 2004. 23th January. Equine practitioners. Neuromuscular disturbances; Neck problems; How do I recognize cervical problems with quantitative EMG analysis.
54. 2003. 18th December. Equine practitioners. The equine athlete with decreased performance. "myogenic" problems in the athletic horse (including the myocardium).
55. 2003. 21th March. Equine practitioners: Diseases of neonatal foals: blood value interpretation.
56. 2003. 23th January. Equine practitioners: Diseases of neonatal foals: blood value interpretation.
57. 2002. June. LMND in the horse. Presentation for the scientific staff of the Department neurology and clinical neurophysiology UMC Utrecht.
58. 2001. 31th May. Equine practioners: Clinical application of EMG needle examination.
59. 2000. 28th November. Large animal practitioners: Clinical application of EMG needle examination.