

CanidGait®**2024****Assies M, Berger B, Stegen B, Rohwedder T, Doherr M, Böttcher P (2024)**

Evaluation of the Effects of an Undenatured Collagen Type-2-Based Nutraceutical (ARTHROSHINE® HA²) on Recovery Time after TPLO in Dogs: A Prospective, Randomized Study with Objective Gait Analysis as the Primary Outcome Measure. Animals 14(2): 298. <https://doi.org/10.3390/ani14020298>

Vannini R (2024)

Ganganalyse – Bewegung präzise analysieren. AgilityLive März/April, Medizin: 34-36.

2023**Lee SH, Cho J, Kim C, Lee D (2023)**

Effect of Physiotherapy and Treadmill Exercise in a Dog with Delayed Rehabilitation Following TPLO: A Case Report. Animals 13, 2778. Preprints 2023, 2023080650. <https://doi.org/10.20944/preprints202308.0650.v1>

Moser J, Haimel G, Barker-Benfield K, Leschnik K, Böttcher P (2023)

Fully Guided Synthetic Osteochondral Resurfacing of a Large Stifle OCD Lesion Using a Patient-Specific Implant and Drill Guides. VCOT Open 2023; 06(01): e8-e13. DOI: 10.1055/s-0042-1758680

Voit U, Söhnel K, Fischer MS (2023)

Therapie einer Lahmheit der linken Hinterextremität bei einer siebenjährigen Airedale Terrier Hündin mittels Akupunktur und objektive Verlaufskontrolle mit einem Ganganalysesystem (CanidGait®). Wien Tierarztl Monat - Vet Med Austria 110:Doc9. DOI: 10.5680/wtm000023

2022**Hassouna S, Allen M (2022)**

Designing a Custom Made 3D-Printed Drill Guides for Humeral Intracondylar Fissure: A Case Report. Conference 21st ESVOT Congress 2022, Poster. DOI: 10.13140/RG.2.2.30906.26569.

Keller A (2022)

Dr. Alex Keller: "Kein Tag ohne Gangbildanalyse!" HUNDERUNDEN #23, Dez.: 6-8. <https://just4vets.online/gefluester/alexandra-keller>

Lee S, Cha Y (2022)

The Effect of Animal Physiotherapy on Balance and Walking in Dog with Sciatic Nerve Injury and Degenerative Joint Disease, Case Report. Physical Therapy Rehabilitation Science 11: 279-84. <https://doi.org/10.14474/ptrs.2022.11.3.279>

Lee HJ, Lee HB, Lee KY, Roh YH, Jeong SM, Kim DY, Jeong J (2022)

Epineural Neuroorrhaphy of a Large Nerve Defect Due to Iatrogenic Sciatic Nerve Injury in a Maltese Dog. Veterinary Sciences 9(7): 361. <https://doi.org/10.3390/vetsci9070361>

Söhnel K, Fischer MS, Häusler K (2022)

Treadmill vs. overground trotting - a comparison of two kinetic measurement systems. Research in Veterinary Science 150: 149-155. <https://doi.org/10.1016/j.rvsc.2022.06.019>

2021**Fischer M, Keller A, Häusler K, Schibilla J, Söhnel K (2021)**

Projekt „Gangwerkentwicklung – Fortbewegung vom Welpen zum erwachsenen Hund“ - mehrjährige Studie ab Frühjahr 2021, Projektleiter Prof. Dr. Dr. h.c. Martin S. Fischer, Universität Jena. (Kontakt: martin.fischer@uni-jena.de)

Häusler K (2021)

Ganganalyse mit dem instrumentierten Laufband. Hands on-Manuelle und Physikalische Therapien in der Tiermedizin, 3(02): 70-75. DOI: 10.1055/a-1397-1347.

2020**Häusler K, Braun D, Liu NC, Penrose F, Sutcliffe M, Allen M (2020)**

Evaluation of the repeatability of kinetic and temporospatial gait variables measured with a pressure-sensitive treadmill for dogs. Am J Vet Res, 81(12): 922-928. <https://doi.org/10.2460/ajvr.81.12.922>

2019**Häusler K, Braun D, Liu NC, Allen MJ (2019)**

Kinetic and temporospatial gait parameters in dogs: reproducibility of an instrumented pressure-sensitive canine treadmill. Proceedings of the 10th International Symposium on Veterinary Rehabilitation and Physical Therapy; and the Summit of the American Association of Rehabilitation Veterinarians; and the American College of Veterinary Sports Medicine and Rehabilitation. Acta Veterinaria Scandinavica 61(1): A5. (Meeting abstract) <https://doi.org/10.1186/s13028-019-0439-3>

Keller A (2019)

Arthrose beim Hund multimodal managen.

Hands on-Manuelle und Physikalische Therapien in der Tiermedizin, 1(01): 9-15. DOI: 10.1055/a-0971-4616.

2017**Häusler K, Braun D, Liu NC, Allen MJ (2017)**

Kinetic and temporospatial gait parameters in dogs: reproducibility of an instrumented pressure-sensitive canine treadmill. University of Cambridge, Cambridge, UK (Poster).

FDMT / FDM / PDM ... Gait Analysis, Biomechanics**2024****Aghapour M, Affenzeller N, Lutonsky C, Peham C, Tichy A, Bockstahler B (2024)**

A validation study to analyze the reliability of center of pressure data in static posturography in dogs. Frontiers in Veterinary Science 11. DOI: 10.3389/fvets.2024.1353824.

2023**Affenzeller N, Lutonsky C, Aghapour M, Bockstahler B (2023)**

Changes in ground reaction forces during a startle response in a dog-implications for underlying painful conditions. Dog Behavior 9(1): Special Issue (Page 5): Proceedings of the 5th EVCBMAW European Veterinary College of Behavioural Medicine and Animal Welfare (Pisa, 19th-20th October 2023). doi 10.4454/db.v9i1

Beerts C, Broeckx SY, Depuydt E, Tack L, Van Hecke L, Chiers K, Van Brantegem L, Braun G, Hellmann K, De Bouvre N, Van Bruaene N, De Ryck T, Duchateau L, Van Ryssen B, Peremans K, Saunders JH, Verhoeven G, Pauwelyn G, Spaas JH (2023)

Low-dose xenogeneic mesenchymal stem cells target canine osteoarthritis through systemic immunomodulation and homing. Arthritis Research & Therapy 25(1),190. <https://doi.org/10.1186/s13075-023-03168-7>

Charalambous D, Lutonsky C, Keider S, Tichy A, Bockstahler B (2023)

Vertical ground reaction forces, paw pressure distribution, and center of pressure during heelwork in working dogs competing in obedience. Frontiers in Veterinary Science 10:1106170. DOI: 10.3389/fvets.2023.1106170.

Gungoren G, Demircioglu I, Demiraslan Y, Gezer Ince N (2023)

Determining the correlation between external structure and center of pressures (COP) analysis data of Aksaray Malakli dogs: A pilot study. Veterinaria 72(1): 101-12. DOI: 10.51607/22331360.2023.72.1.101.

Schmutterer JM, Augat P, Greinwald M, Meyer-Lindenberg A (2023)

Meniscal Load and Load Distribution in the Canine Stifle after Modified Tibial Tuberosity Advancement with 9 mm and 12 mm Cranialization of the Tibial Tuberosity in Different Standing Angles. (... zebris System CMS20BI) Vet Comp Orthop Traumatol 36(05): 241-249. DOI: 10.1055/s-0043-57046.

2022**Bieber B, Reicher B, Tichy A, Bockstahler B (2022)**

Changes in Ground Reaction Forces and Center of Pressure Parameters of Paws When Wearing Dog Boots in Dogs. *Frontiers in Veterinary Science* 9, 906277. DOI: 10.3389/fvets.2022.906277.

Charalambous D, Strasser T, Tichy A, Bockstahler B (2022)

Ground Reaction Forces and Center of Pressure within the Paws When Stepping over Obstacles in Dogs. *Animals* 12(13), 1702. DOI: 10.3390/ani12131702.

Lee JH (2022)

Clinical Application of Objective Gait Analysis Using Pressure Plate in Small Breed Dogs. Dissertation, Department of Veterinary Medicine, Graduate School of Konkuk University.

Virag Y, Gumpenberger M, Tichy A, Lutonsky C, Peham C, Bockstahler B (2022)

Center of pressure and ground reaction forces in Labrador and Golden Retrievers with and without hip dysplasia at 4, 8, and 12 months of age. *Frontiers in Veterinary Science* 9, 1087693. DOI: 10.3389/fvets.2022.1087693.

Weissenbacher A, Tichy A, Weissenbacher K, Bockstahler B (2022)

Influence of Two Types of Guide Harnesses on Ground Reaction Forces and Step Length of Guide Dogs for the Blind. *Animals* 12(18), 2453. <https://doi.org/10.3390/ani12182453>

2020**Alves ACE (2020)**

Short-term effects of underwater treadmill therapy on ground reaction forces of canine orthopaedic patients. Integrated Master's Dissertation in Veterinary Medicine. Lisboa: FMV-Universidade de Lisboa.

Ateşpare ZD, Gündemir O, Zenginler Y, Erdikmen DO, Demircioğlu İ (2020)

Center of Pressures (COP) Analysis Using Gait Analysis Systems in Belgian Malinois Dogs: A Pilot Study. *Dicle Üniversitesi Veteriner Fakültesi Dergisi* 13(1): 44-47. <https://dergipark.org.tr/en/pub/duvetfd/issue/55558/721367>

Gündemir O, Duro S, Kaya DA, Zenginler Y (2020)

Temporo-spatial and kinetic gait parameters in English setter dogs. *Anatomia, Histologia, Embryologia* 49(6): 763-769. DOI: 10.1111/ahe.12572.

Gündemir O, Alpak H, Erdikmen DO, Kaya DA (2020)

Evaluation of gait character of Akbaş and Kangal shepherd dogs by using pressuresensitive walkway. *Turkish Journal of Veterinary & Animal Sciences* 44(2), Article 34, 427-434. <https://doi.org/10.3906/vet-1911-56>; <https://journals.tubitak.gov.tr/veterinary/vol44/iss2/34>

Moreira JPL, Tichy A, Bockstahler B (2020)

Comparison of the Vertical Force Distribution in the Paws of Dogs with Coxarthrosis and Sound Dogs Walking over a Pressure Plate. *Animals* 10(6), 986. <https://doi.org/10.3390/ani10060986>

Reicher B, Tichy A, Bockstahler B (2020)

Center of Pressure in the Paws of Clinically Sound Dogs in Comparison with Orthopedically Diseased Dogs. *Animals* 10(8), 1366. <https://doi.org/10.3390/ani10081366>

Schnabl-Feichter E, Tichy A, Bockstahler B (2020)

Evaluation of a pressure plate for detection of hind limb lameness in cats. *PLoS ONE* 15(4): e0231904. <https://doi.org/10.1371/journal.pone.0231904>

2019**Becker Ch (2019)**

Pilotstudie zur Methodenentwicklung in der Ganganalyse mit dem Ziel einer Lahmheitsfrüherkennung anhand von dynamischen Messungen mittels laufband-integrierter, kapazitiver Sensoren. Bachelorthesis, Hochschule für Wirtschaft und Umwelt (HfWU) Nürtingen-Geislingen, GWP-Förderpreis 2019.

Becker Ch, Benz B, Stoll A (2019)

Pilotstudie zur Methodenentwicklung in der Ganganalyse mit dem Ziel einer Lahmheitsfrüherkennung anhand von dynamischen Messungen mittels laufband-integrierter, kapazitiver Sensoren.

Poster, Jahresversammlung des FN - GWP-Förderpreisverleihung 06.05.2019, Sofitel Hotel Hamburg.

2018**Schnabl-Feichter E, Tichy A, Gumpenberger M, Bockstahler B (2018)**

Comparison of ground reaction force measurements in a population of Domestic Shorthair and Maine Coon cats.

PLoS ONE 13(12), e0208085. <https://doi.org/10.1371/journal.pone.0208085>

2017**Schnabl-Feichter E, Tichy A, Bockstahler B (2017)**

Coefficients of variation of ground reaction force measurement in cats.

PLoS ONE 12(3), e0171946. <https://doi.org/10.1371/journal.pone.0171946>

Schwarz N, Tichy A, Peham C, Bockstahler B (2017)

Vertical force distribution in the paws of sound Labrador retrievers during walking.

The Veterinary Journal 221: 16-22. DOI: 10.1016/j.tvjl.2017.01.014.

2016**Bockstahler B, Tichy A, Aigner P (2016)**

Compensatory load redistribution in Labrador retrievers when carrying different weights – a non-randomized prospective trial. BMC Veterinary Research 12: 92. DOI 10.1186/s12917-016-0715-7.

2014**Strasser T, Peham C, Bockstahler B (2014)**

A comparison of ground reaction forces during level and cross-slope walking in Labrador Retrievers.

BMC Veterinary Research 10: 241. <http://www.biomedcentral.com/1746-6148/10/241>

2007**Zeiner H, Schobesberger H, Skalicky M, Stanek Ch (2007)**

Effect of different claw trimming methods on the pressure distribution under the bovine claw – an in vitro study.

Auswirkungen unterschiedlicher Methoden der Klauenkorrektur beim Rind auf die Druckverteilung an der Sohlenfläche – eine in vitro Studie. Berl. Münch. Tierärztl. Wochenschr. 120: 165–172. DOI 10.2376/0005-9366-120-165.

2004**Huth Ch (2004)**

Analyse der Entwicklung von Körper- und Klauenmaßen sowie der Druckverteilung unter den Klauen bei Jungrindern verschiedener Rassen. Inaugural-Dissertation, Tierärztliche Hochschule Hannover.

2002**Emmerich M (2002)**

Dreidimensionale Ultraschallmessung zur Bewegungsanalyse beim Pferd auf dem Laufband.

Inaugural-Dissertation, Tierärztliche Hochschule Hannover.

1995**Witte H, Lesch C, Preuschoft H, Loitsch C (1995)**

Die Gangarten der Pferde: Sind Schwingungsmechanismen entscheidend? Teil II: Federschwingungen bestimmen den Trab und den Galopp. Pfedeheilkunde 11(4), (Juli/August): 265-272.