

Kenneth H. McKeever, Ph.D., FACSM

PUBLICATIONS

Books:

1. *The Athletic Horse, Principles and Practice of Equine Sports Medicine*, 2nd Edition, Editors **Hodgson D, McKeever, K.H. and C. McGowan**, Elsevier, St. Louis, 2014.

Book Chapters:

1. **McKeever, K.H.** Equine Exercise Physiology. In: *The Biology of Domestic Animals*, Eds, Colin G. Scanes and Rodney Hill, CRC Press, Boca Raton, FL, Chapter 1, pp 3-17, 2017.
2. **McKeever, K.H.** Exercise and rehabilitation of the older horse. In: *Veterinary Clinics of North America, Equine Practice, Geriatric Medicine*, ed. Catherine McGowan. Elsevier, Philadelphia, Vol 32, pp. 317-330, 2016.
3. **Jose-Cunilleras, E. and McKeever, K.H.** Body fluids and electrolytes: responses to exercise and training. *Equine Sports Medicine and Surgery: Basic and Clinical Sciences of the Equine Athlete Second Edition*. Eds: K. Hinchcliff, A. Kaneps, R. Geor, Elsevier, Philadelphia, Section 2, Chapter 38, pp. 837-854, 2014.
4. **McKeever, K.H. and R.A. Lehnhard** Physiology of acid base balance and fluid shifts with exercise. In: *The Athletic Horse, Principles and Practice of Equine Sports Medicine, 2nd Edition*, Eds. D.R. Hodgson, K.H. McKeever, and C.T. McGowan, Elsevier, St. Louis, Section II, Chapters 6, pp. 69-87, 2014.
5. **McKeever, K.H., P. Davitt, and S. Arent.** Hormonal responses to exercise and training. In: *The Athletic Horse, Principles and Practice of Equine Sports Medicine, 2nd Edition*, Eds. D.R. Hodgson, K.H. McKeever, and C.T. McGowan, Elsevier, St. Louis, Section II, Chapters 7, pp. 88-107, 2014.
6. **McKeever, K.H. and R.A. Lehnhard.** Age and disuse in Athletes: Effects of detraining, spelling, injury, and aging. In: *The Athletic Horse, Principles and Practice of Equine Sports Medicine, 2nd Edition*, Eds. D.R. Hodgson, K.H. McKeever, and C.T. McGowan, Elsevier, St. Louis, Section II, Chapters 12, pp. 243-252, 2014. .
7. **McKeever, K.H.** Feed Supplements to Maintain Performance and Health, In: *Applied Equine Nutrition and Training – ENUTRACO 2011*, Ed: Arno Lindner, Wageningen Academic Press, Wageningen, Netherlands, pp. 179-191, 2011.
8. **McKeever, K.H.** Endocrine alterations in the equine athlete: an update. *Veterinary Clinics of North America, Equine Practice, Endocrine Diseases*, ed. Ramiro Toribio. Elsevier, Philadelphia, **McKeever - Page 9**
Vol. 27:197-218, 2011.
9. **McKeever, K.H. & M.E. Gordon** Endocrine alterations in the equine athlete. *Equine Exercise Physiology* Eds: K. Hinchcliff, A. Kaneps, R. Geor, Elsevier, Philadelphia, 5.2, 278-304, 2008.

10. **McKeever, K.H.** Body fluids and electrolytes: responses to exercise and training. *Equine Exercise Physiology* Eds: K. Hinchcliff, A. Kaneps, R. Geor, Elsevier, Philadelphia, Chapter 6.1, 328-346, 2008.
11. **McKeever, K.H.** Aging and how it affects the response to exercise in the horse. *In: Equine Geriatric Medicine and Surgery*, Ed: J. Bertone, Elsevier, Philadelphia, pp. 69-78, 2005.
12. **McKeever, K.H.** Does it Work? Testing the efficacy of feed supplements In: *Advances in Equine Nutrition III* Ed. Joseph D. Pagan. Nottingham University Press, Nottingham UK, pp. 65-68, 2005.
13. **McKeever, K.H.** Can feed cause a positive blood test in racehorses? In: *Advances in Equine Nutrition III* Ed. Joseph D. Pagan. Nottingham University Press, Nottingham UK, pp. 68-76, 2005
14. **McKeever, K.H.** Body fluids and electrolytes: responses to exercise and training. *Equine Sports Medicine and Surgery: Basic and Clinical Sciences of the Equine Athlete* Eds: K. Hinchcliff, A. Kaneps, R. Geor, Elsevier, Philadelphia, Chpt. 38, p. 853-871, 2004.
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17. **McKeever, K.H.** The endocrine system and the challenge of exercise. In: *Veterinary Clinics of North America: Equine Practice; Equine Endocrinology*, eds Messer, N.T. and P.J. Johnson. Saunders, Philadelphia, Vol. 18:321-354, 2002.
18. **McKeever, K.H.** Effect of exercise on fluid balance and renal function in horses. In: *Veterinary Clinics of North America: Equine Practice; Fluids, Electrolytes and Thermoregulation in Horses*, ed. K.W. Hinchcliff. Vol. 14: 23-44, 1998.
19. **McKeever, K.H.** Electrolyte and water balance in the exercising horse, In: *Nutrition Manual for Veterinarians*. American Association of Equine Practitioners and Purina Mills, Inc., St. Louis, Mo. Chapter 10, pp. 79-86, 1997.
20. **McKeever, K.H.**, Water and electrolytes and the prevention of thermal injuries. *Horse Industry Handbook*, American Youth Horse Council, Lexington, Chpt. 8, pp 861-863, 1994.
21. **McKeever, K.H.** Sympatholytic and Sympathomimetics. In: *Veterinary Clinics of North America: Equine Practice; Drug use in Performance Horses*, eds. K. Hinchcliff & R. Sams. Saunders, Philadelphia, Vol. 9, pp 635-647, 1993.

Journal Articles:

Published or in Press:

1. **Avenatti, R.C., K.H. McKeever, D.W. Horohov, K. Malinowski** Effects of age and submaximal exercise on physiological markers of stress, inflammatory cytokines, and HSP70 and HSP90 gene expression and protein content in whole blood and skeletal muscle in female Standardbred horses. *Comparative Exercise Physiology* (Accepted for Publication), 2017.
2. **Coffin, D., Causey, R., Staniar, B., Williams, C., McKeever, K., Gradil, C., Nadeau, J, Sanchez, A., Lichtenwalner, A., Biddle, A., and Cole K.** Equine Owners Research and Education Needs to Improve Gastrointestinal Health in Their Equids, *Journal of the National Association of County Agriculture Agents (NACAA)*, Volume 10, Issue 1, Article 3, 2017.
3. **McKeever, K.H.** Nutraceuticals: a goldmine but for whom? *Comparative Exercise Physiology* 13:121-126, 2017.
4. **Manso, H.C., Betros, C.L., Gordon, M.E., Manso, H.E.C.C., Watford, M, McKeever, K.H.** Effect of aging and training on body composition, concentrations of glutamine and other amino acids in plasma and skeletal muscle in mature Standardbred mares, 13:63-69, 2017.
5. **Janabi, Ali H.D., Amy S. Biddle, Dylan Klein, Kenneth H. McKeever.** The Effects of Acute Strenuous Exercise on Gut Microbiota in Standardbred Racehorses. *Comparative Exercise Physiology* 13:13-24, 2017.
6. **Janabi, Ali H.D., Amy S. Biddle, Dylan Klein, Kenneth H. McKeever.** Exercise Training Changes the Gut Microbiota of Standardbred Racehorses. *Comparative Exercise Physiology* 12:119-129, 2016.
7. **Janabi, Ali H.D. Lee J. Kerkhoff, Lori R. McGuinness, Amy S. Biddle, Kenneth H. McKeever.** Comparison between a Modified Phenol/Chloroform DNA Extraction method and a Commercial Kit using Regular and Next Generation Sequencing Techniques; *Journal of Microbiological Methods* 129:14-19, 2016.
8. **McKeever, K.H., B.A. McNally, R.A. Lehnhard, D.C. Poole.** Effect of erythropoietin on blood volume, VO_{2MAX} , and hemodynamics. *Respiration Physiology and Neurobiology*, 225: 38-47, 2016.
9. **Walker, A.J., S.M. Arent, and K.H. McKeever** Effectiveness of a supplement derived from dehydrated cantaloupe juice as a recovery aid for horses following strenuous exercise *Comparative Exercise Physiology* 11:213-221, 2015.
10. **Gordon, M.E., D.L. Thompson, and K.H. McKeever.** Effect of exogenous ghrelin infusion on feed intake and metabolic parameters of energy homeostasis in Standardbred mares. *Comparative Exercise Physiology* 10: 113-122, 2014.
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12. **Liburt, N.R., K. McKeever, D. Smarsh, K. Malinowski, R. Geor.** The hypothalamic-pituitary-adrenal axis response to stimulation tests before and after exercise training in old vs. young standardbred mares. *Journal of Animal Science* 91: 5208-5219, 2013.
13. **Norton, R.P., Lehnhard, RA, Kearns, C.F., McKeever, K.H.** Ephedra-induced alterations in cardiovascular function and thermoregulation during acute exercise in horses. *Comparative Exercise Physiology* 9:109-117, 2013.
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14. **Betros, C.L., N.M. McKeever, K. Malinowski, H.C. Manso, K.H. McKeever.** Effects of aging and training on resting and intrinsic heart rate in horses. *Comparative Exercise Physiol.* 9:43-50, 2013.
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16. **Baldassari, J., W.C. Franke, D.W. Horohov, A. Betancourt, and K.H. McKeever** Effects of quercetin on exercise potential and exercise-induced cytokines in the horse *Comparative Exercise Physiol.* 8:131-142, 2012.
17. **Watson, P, R.A. Lehnhard, S. Butterfield, and K.H. McKeever,** The metabolic cost to treadmill graded exercise: traditional vs. underwater. *Comparative Exercise Physiol.* 8:11-17, 2012.
18. **Manso, H.C. Filho, H.E. Manso, K.H. McKeever, S.R. Duarte, J.M.G. Abreu,** Heart rate of two breeds of four gaited horses to a simulated field gaited test *Comparative Exercise Physiol.* 8:41-46, 2012.
19. **McKeever, K.H., S.M. Wickler, T. Smith, D.C. Poole** Altitude not exercise increases plasma erythropoietin in equids. *Comparative Exercise Physiology* 7: 193-199, 2011.
20. **Aulisio, J.L., N.R. Liburt, K. Malinowski, and K.H. McKeever.** Training-induced alterations in rump fat thickness and plasma leptin concentration in young and old Standardbred mares. *Comparative Exercise Physiology* 7: 127-132, 2011.
21. **Lehnhard, R.A., A. Adams, A. Betancourt, D.W. Horohov, N.R. Liburt, J.M. Streltsova, W.C. Franke, K.H. McKeever.** Phenylbutazone blocks the cytokine response following a high intensity incremental exercise challenge in horses. *Comparative Exercise Physiology* 7:103-108, 2011.
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27. **Lehnhard, R.A., A. Szucsik, V. Balaskonis, K. Malinowski, and K. McKeever.** Effects of training and cessation of training on plasma tCO₂ concentration in Standardbreds. *Comparative Exercise Physiol.* 7:15-17, 2010.
28. **Balaskonis, V, A. Szucsik, R.A. Lehnhard, and K.H. McKeever** Effect of pelleted dietary supplements on plasma tCO₂ concentration in Standardbred horses. *Comparative Exercise Physiology* 7:43-48, 2010.
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44. **Gordon, M.E., K.H. McKeever, C.L. Betros, H.C. Manso, Filho** Exercise-induced alterations in plasma concentrations of ghrelin, adiponectin, leptin, glucose, insulin, and cortisol in horses. *The Veterinary Journal*, 173: 532-540, 2007.
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56. **Kearns, C.F., K.H. McKeever, K. Malinowski.** Changes in adiponectin and leptin are associated with changes in fat mass after clenbuterol treatment in horses. *Medicine and Science in Sport and Exercise* 38:262-267, 2006.
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