

Recent Peer-Reviewed References

Brounts SH, Lund JR, Whitton RC, Ergun DL, Muir P. Use of a novel helical fan beam imaging system for computed tomography of the distal limb in sedated standing horses: 167 cases (2019–2020). *J Am Vet Med.* 2022;260(11):1351-1360. doi.org/10.2460/javma.21.10.0439

Brounts SH, Henry T, Lund JR, Whitton RC, Ergun DL, Muir P. Use of a novel helical fan beam imaging system for computed tomography of the head and neck in sedated standing horses: 120 cases (2019–2020). *J Am Vet Med.* 2022;260(11): 1361-1368. doi.org/10.2460/javma.21.10.0471

Recent Abstracts

Lund JR, Brounts SH, Ergun DL, Muir P. Computed tomography scanning of the head, neck, and distal limbs of the sedated standing horse using a novel vertical and horizontal robotic helical fan beam system. *Veterinary Surgery* 2019;48:e1135.

Older Peer-Reviewed References

Radtke A, Morello S, Muir P, Bleedorn J. Application of computed tomography and stereolithography to correct a complex angular and torsional limb deformity in a donkey. *Veterinary Surgery* 2017;46:1131-1138.

Dubois M-S, Morello S, Rayment K, Markel MD, Vanderby Jr. R, Kalscheur VL, Hao Z, McCabe RP, Marquis P, Muir P. Computed tomographic imaging of subchondral fatigue cracks in the distal end of the third metacarpal bone in the Thoroughbred racehorse can predict crack micromotion in an ex-vivo model. *PLoS One* 2014;9:e101230.

Muir P, Peterson AL, Sample SJ, Scollay MC, Markel MD, Kalscheur VL. Exercise-induced metacarpophalangeal joint adaptation in the Thoroughbred racehorse. *Journal of Anatomy* 2008;213:706-717.

Bentley VA, Sample SJ, Livesey MA, Scollay MC, Radtke CL, Kalscheur VL, Muir, P. Morphologic changes associated with functional adaptation of the navicular bone in horses. *Journal of Anatomy* 2007;211:662-672.

Morgan JW, Santschi EM, Zekas L, Scollay-Ward MC, Markel MD, Radtke CL, Sample SJ, Keuler NS, Muir P. Comparison of radiography and computed tomography to evaluate metacarpo- and metatarsophalangeal joint pathology of paired limbs of Thoroughbred racehorses sustaining a severe condylar fracture. *Veterinary Surgery* 2006;35:611-617.

Muir P, McCarthy J, Radtke CL, Markel MD, Santschi EM, Scollay MC, Kalscheur VL. Role of endochondral ossification of articular cartilage and adaptation of the subchondral plate in the development of fatigue microcracking of joints. *Bone* 2006;38:342-349.

Da Costa Gómez T, Barrett JG, Sample SJ, Radtke CL, Kalscheur VL, Lu Y, Santschi EM, Scollay MC, Markel MD, Muir P. Up-regulation of site-specific remodeling without accumulation of microcracking and loss of osteocytes. *Bone* 2005;37:16-24.

Da Costa Gómez T, Radtke C, Kalscheur VL, Swain CA, Scollay MC, Edwards RB, Santschi EM, Markel MD, Muir P. Effect of focused and radial extracorporeal shockwaves on equine third metacarpal/third metatarsal bone microdamage. *Veterinary Surgery* 2004;33:49-55.

Stepnik MW, Radtke CL, Scollay MC, Oshel PE, Albrecht RM, Santschi EM, Markel MD, Muir P. Scanning electron microscopic examination of third metacarpal/third metatarsal bone failure surfaces in Thoroughbred racehorses with condylar fracture. *Veterinary Surgery* 2004;33:2-10.

Radtke CL, Danova NA, Scollay MC, Santschi EM, Da Costa Gomez T, Markel MD, Muir P. Macroscopic changes in the distal ends of the third metacarpal and metatarsal bones of Thoroughbred racehorses with condylar fractures. *American Journal of Veterinary Research* 2003;64:1110-1116.