

Year	Status	Grantee	Title/Topic	Description
2016	Submitted for Publication	Jennifer Symons, PhD	Comparing distal limb nuclear scintigraphy of sport horses and racehorses	<p>The purpose of this study is to examine differences in sites and incidence of injury between horses of different disciplines, specifically sport horses and racehorses. Nuclear scintigraphy is an ideal imaging modality based on its high sensitivity and ease of imaging the entire skeleton. Study subjects include sport horses and racehorses presenting with lameness or poor performance that was investigated with nuclear scintigraphy. Imaging reports will be reviewed for sites of increased radiopharmaceutical uptake (IRU). IRU sites will be compared between sport horses and racehorses using relative risk. Similarly, IRU sites will be compared for sidedness (left, right, or bilateral) and fore/hind differences. Identifying differences in IRU sites will promote understanding of the relationship between discipline-specific biomechanical tasks and associated limb loading. Understanding these relationships may allow for future development of methods for injury prevention.</p>