

Supplementary Table 1: Details of the cohort

	Horse	Age (yrs)	Height (cm)	Breed ^a	Sex ^b	Main use ^c	In work ^d	Shod? ^e	Lameness history	Most affected limb ^f
Sound	1	13	150	Cob	m	Dressage (Medium)	y	n	n/a	n/a
	2	5	168	ISH	m	Eventing (BE100)	y	y	n/a	n/a
	3	17	148	Welsh C	m	Low level schooling	y	y	n/a	n/a
	4	4	178	ID	g	Low level schooling	y	front	n/a	n/a
	5	6	168	ISH	g	Evening (2*)	y	y	n/a	n/a
Forelimb Lame	6	14	168	ISH	g	Eventing (5*)	y	y	Chronic mild lameness RF; still schooling and competing at high level	RF
	7	21	147	ISH	g	Eventing (BE100)	y	y	History of chronic lameness; diagnosed bilateral pedal osteitis in fore feet; most affecting RF	RF
	8	14	174	Warmblood	g	Low level dressage	y	y	Recovering from acute tendon injury to RF	RF
Hindlimb Lame	9	5	166	ISH	m	Eventing (BE100)	y	y	Suffering acute LH lameness after sustaining injury to hock in fall	LH
	10	18	170	ISH	g	Retired eventer (2*)	y	y	Chronic lameness due to arthritic changes in hocks most affecting LH	LH
	11	16	168	ISH	g	Hacking	y	y	Chronic RH lameness associated with kissing spine and age-related arthritic changes	RH
	12	16	156	ISH	m	Low level schooling	y	y	Acute, RH lameness associated with kissing spine	RH
	13	8	166	Westfalian	m	Low level schooling	y	y	Acute, RH lameness associated with kissing spine	RH
	14	16	158	ISH	g	Low level schooling	n	y	History of chronic hindlimb lameness due to arthritic changes most affecting RH	RH
	15	18	165	ISH	m	Retired showjumper (Grade A)	n	y	Severe chronic hindlimb lameness due to tenosynovitis most prevalent in RH	RH
	16	14	168	Warmblood	m	Medium dressage	n	n	Acute, severe, lameness in LF and less pronounced lameness of RH	LF,RH

Morphological details of the cohort of sound and lame horses. The lameness histories of lame horses are given. Horses are organized into sound, forelimb lame, hindlimb lame, and the horse (Horse 16) which had severe lameness in the left fore (LF) and right hind (RH).

^aBreed of horses: ISH = Irish sports horse; Welsh C = Welsh Section C

^bSex of horses: m = mare; g = gelding

^cHorse's main use: details in brackets indicate the highest level the horse competed at; BE = British Eventing

^dIf the horse was in work at the time of data collection: y = yes; n = no s s

^eDetails of whether the horse was shod or not: y = yes; n = no; front = shod in both front feet only

^fDetails of the most affected limbs in lameness cases: LF = left fore; RF = right fore; LH = left hind; RH = right hind