



Velferð íslenskra keppnis- og kynbótahrossa

Áhrif fyrirbyggjandi aðgerða

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RESEARCH

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Bit-related lesions in Icelandic competition horses

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Abstract

Background: Oral lesions related to the use of the bit and bridle are reported to be common findings in horses worldwide and represent an important animal welfare issue. In order to provide an overview of bit-related lesions in Icelandic competition horses, a field examination of the rostral part of the oral cavity was performed in 424 competition horses coming to the two major national horse events in Iceland in 2012. Records from repeated examination of 77 horses prior to the finals were used to assess potential risk factors.

Results: Mild lesions were recorded in 152 horses (36%) prior to the preliminary rounds. They were most often located in the commissures of the lips and the adjacent buccal mucosa ($n = 111$). Severe lesions were found in 32 (8%) horses. For 77 horses examined prior to the finals, the frequency of findings in the area of the mandibular interdental space (bars of the mandible) had increased from 8% to 31% ($P < 0.0001$). These findings were most often (16/24) regarded as severe. The presence of lesions on the bars was strongly associated to the use of curb bits with a port ($OR = 75$, $P = 0.009$).

Conclusions: Bit-related lesions were found to be a general problem in Icelandic competition horses. The type of bits used influenced both the location and the severity of the lesions. The use of curb bits with a port was found to be a decisive risk factor for lesions on the bars of the mandible, most of which were regarded as severe. The results also raised questions about the head and neck carriage demanded for the competition horses.

Keywords: Oral lesions, Ulcer, Bit, Carriage, Oral examination, Equine, Animal welfare

Niðurstöður skoðana fyrir forkeppni / forsýningu LM og ÍM 2012 og 2014

Forkeppni / sýningar	N	Engar athugas.	Áverkar í munnavikum/kinnum		Áverkar á kjálkabeini	
			vægir	alvarlegir	vægir	alvarlegir
Keppni 2012	350	189 54%	101 29%	18 5%	29 8%	13 4%
Kynbótas. 2012	208	121 58%	49 24%	9 4%	21 10%	8 4%
Keppni 2014	370	267 72%	56 15%	11 3%	28 8%	0
Kynbótas. 2014	241	163 67%	36 15%	2 <1%	31 13%	8 3%

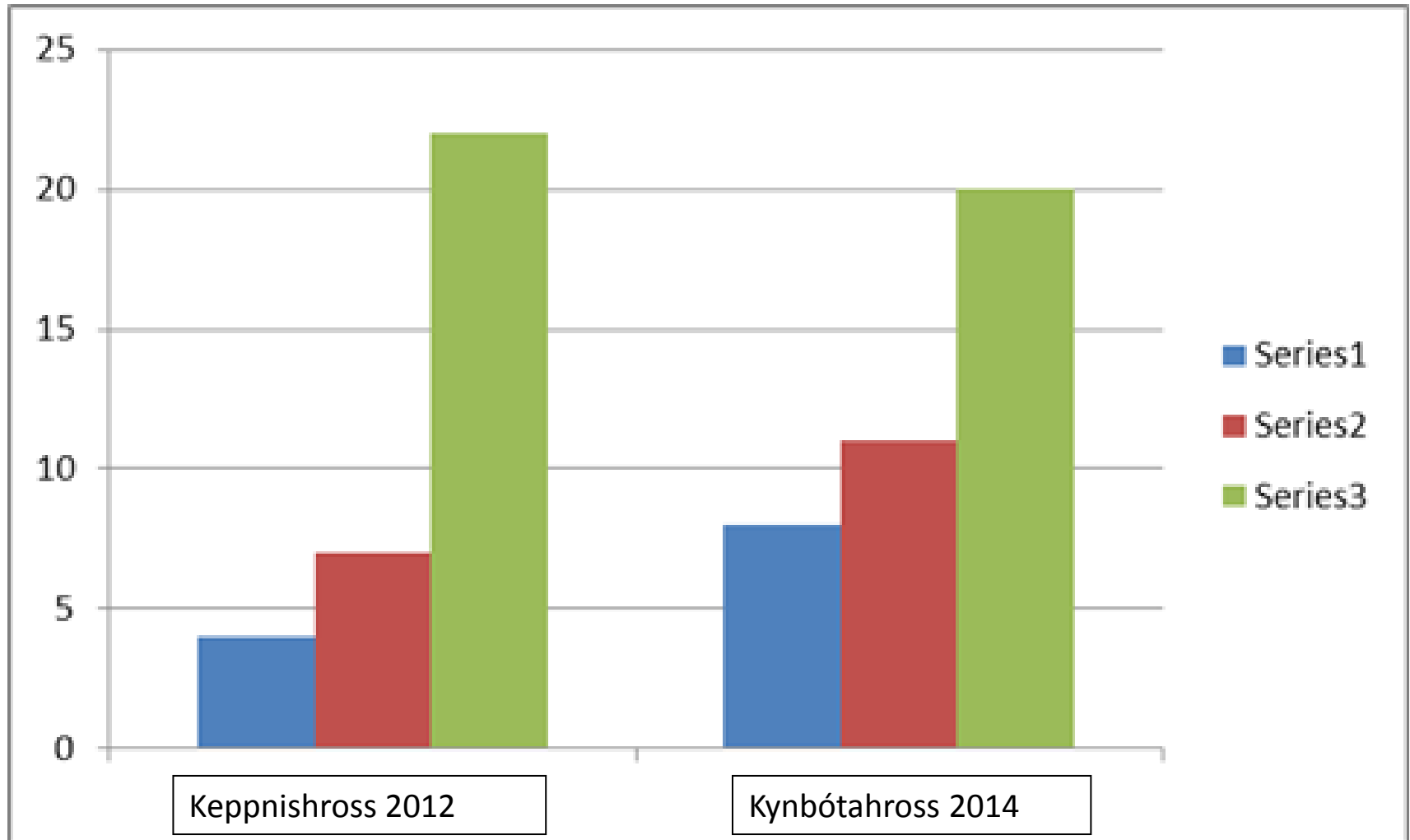
Niðurstöður skoðana fyrir milliriðla / yfirlitssýningu

Milliriðlar / yfirlit		Engar athugas	Áverkar í munnvikum/kinnum		Áverkar á kjálkabeini	
			vægir	alvarlegir	vægir	alvarlegir
Keppni 2012	91	35 38%	35 38%	7 8%	7 8%	7 8%
Keppni 2014	91	63 69%	11 12%	0	12 15%	1 1%
Kynbótas. 2014	230	104 45%	49 21%	4 2%	48 21%	25 11%

Niðurstöður skoðana fyrir úrslit / verðlaunaafh.

Milliriðlar / yfirlit		Engar athugas	Áverkar í munnvikum/kinnum		Áverkar á kjálkabeini	
	N	0	vægir	alvarlegir	vægir	alvarlegir
Keppni 2012	77	31 40%	20 26%	2 3%	7 9%	17 22%
Keppni 2014	72	45 63%	12 17%	1 <1%	10 14%	0
Kynbótas. 2014	80	45 56%	10 13%	4 5%	4 5%	16 20%

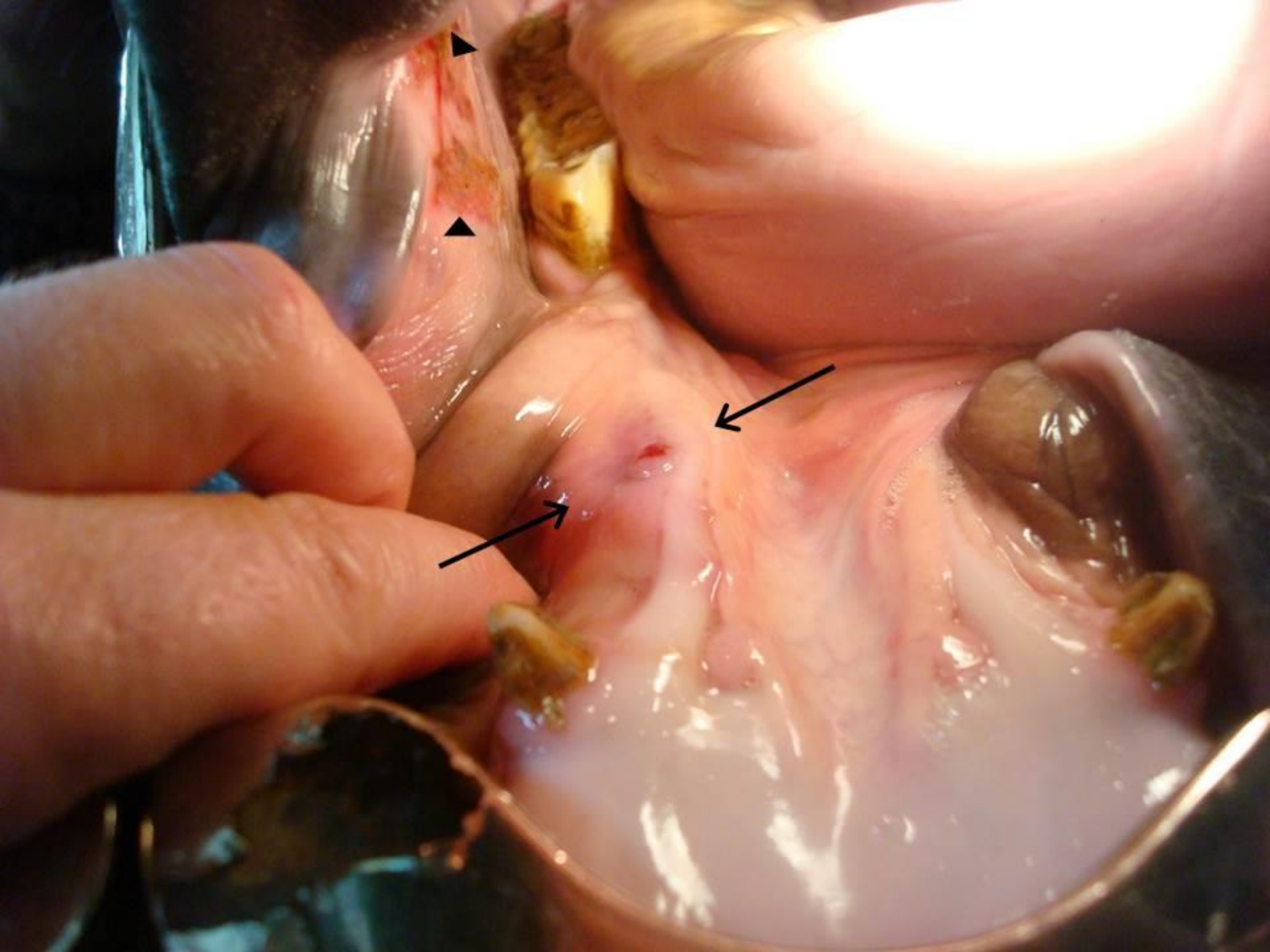
Þróun á tíðni alvarlegra áverka á kjálkabeini hjá keppnishrossum á LM 2012 og kynbótahrossum á LM 2014



Jákvæð áhrif af fyrirbyggjandi aðgerðum

- Fræðsla um munn hestsins og hættuna á áverkum virðist eiga þátt í að draga úr tíðni áverka í munnvikum og kinnum keppnis- og kynbótahrossa
 - Reiðmennska, dómgæsla
 - www.mouthofthehorse.com
- Bann við notkun á stangamélum er nauðsynlegt til að fyrirbyggja alvarlega áverka á kjálkabeini
 - Gildir nú bæði fyrir keppni og sýningar skv nýrri reglugerð um velferð hesta
- Nauðsynlegt að fylgjast með þróuninni
 - Halda áfram skoðunum á stórmótum
 - Áættumiðað eftirlit







The port takes the protective function of the tongue out of work















<http://mouthofthehorse.com/>

