

Caudal compression of the infraorbital nerve: A novel surgical technique for treatment of idiopathic headshaking and assessment of its efficacy in 24 horses

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TABLE 1: Age, breed, sex, use and weight of 24 cases of horses subjected to surgery

Identity	Age (years)	Breed	Sex (mare/gelding)	Use	Weight (kg)
1	6	Irish Sports Horse	G	Dressage	660
2	4	Rhinelander	G	Dressage	516
3	8	Hanoverian	G	Dressage	615
4	10	TB x ID	G	Showjumping	618
5	14	Welsh X Haflinger	G	Mounted games	400
6	11	TB	G	General	570
7	10	Welsh Section D	G	General	540
8	1	TB x	M	Unbroken	350
9	10	Cob	G	General	450
10	13	TB	G	General	550
11	8	Belgian WB	G	Showjumping	575
12	12	TB x ID	G	General	561
13	8	TB x	G	General	465
14	7	Irish Sports Horse	G	Showing	620
15	7	WB x TB	G	Showing	628
16	6	Welsh Section D	G	General	410
17	12	Irish Sports Horse	M	General	645
18	14	Connemara	M	General	521
19	8	Cob x	M	General	587
20	9	Dutch WB	M	Dressage	553
21	10	Pony	G	General	345
22	10	Oldenburg	G	Dressage	550
23	6	Welsh Section D	M	General	490
24	4	TB	M	Eventing	590

TB = Thoroughbred; ID = Irish Draught; WB = Warmblood.

TABLE 2: Details (season, location, activity, meteorology, behaviour and presence of sores) headshaking occurrence and behaviour as reported by owner in 24 horses subjected to surgery for headshaking

Case	Seasonal	Occurs when in:		Lunge	Ridden	Occurs most in:			Type:		Nose rubbing	Strike nose	Facial sores
		Stable	Field			Sun	Rain	Wind	Horizontal	Vertical			
1	Yes	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	No
2	No	No	Yes	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	No
3	No	Yes	No	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	No
4	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	No
5	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes	Yes	No	No
6	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
7	Yes	No	No	Yes	Yes	No	No	No	No	Yes	Yes	No	No
8	No	Yes	Yes	UB	UB	No	Yes	Yes	No	Yes	Yes	Yes	No
9	Unknown	NR	NR	NR	Yes	NR	NR	NR	NR	NR	Yes	NR	NR
10	Yes	No	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No
11	Yes	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
12	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No
13	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	No
14	No	Yes	Yes	Yes	No	No	No	No	Yes	No	No	No	Yes
15	Unknown	No	No	No	Yes	NR	Yes	No	No	Yes	No	No	No
16	Yes	No	No	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
17	Yes	Yes	No	Yes	Yes	NR	Yes	No	Yes	No	No	Yes	No
18	No	Yes	No	No	Yes	No	No	No	No	Yes	No	No	No
19	Yes	NR	NR	NR	Yes	NR	NR	NR	No	Yes	NR	NR	NR
20	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
21	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
22	Unknown	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
23	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
24	Unknown	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

NR = not recorded; UB = unbroken.

TABLE 3: Details (number of coils) period of follow-up, post operative rubbing, second surgery success in 24 horses subject to surgery for headshaking and results of surgery

Case	No. coils left side	No. coils right side	Time to follow-up (months)	Post op nose rubbing	Success	2nd surgery performed	Time to follow-up (months)	Success
1	NR	NR	5	No	No	Yes	0.5	R
2	4	4	5	No	No	No	N/A	N/A
3	3	3	11	No	No	No	N/A	N/A
4	3	3	11	No	No	Yes	0.5	R
5	4	4	14	No	Yes	N/A	N/A	N/A
6	3	3	14	No	Yes	N/A	N/A	N/A
7	NR	NR	6	Yes	No	Yes	12	No
8	3	4	16	No	Yes	N/A	N/A	N/A
9	NR	NR	24	No	Yes	N/A	N/A	N/A
10	2	2	26	No	Yes	N/A	N/A	N/A
11	5	5	29	Yes	Yes	N/A	N/A	N/A
12	4	0	26	No	Yes	N/A	N/A	N/A
13	3	3	6	Yes	Yes	N/A	N/A	N/A
14	NR	NR	2.5	Yes	No	Yes	6	Yes
15	4	4	3	Yes	Yes	N/A	N/A	N/A
16	4	4	4	No	Yes	N/A	N/A	N/A
17	NR	NR	6	Yes	No	Yes	2	U
18	4	4	6	Yes	Yes	N/A	N/A	N/A
19	4	4	8	Yes	No	Yes	6	Yes
20	NR	NR	5	Yes	No	No	N/A	N/A
21	5	5	1	No	Yes	N/A	N/A	N/A
22	4	4	2.5	Yes	Yes	N/A	N/A	N/A
23	4	4	0.5	No	R	N/A	N/A	N/A
24	4	4	0.5	Yes	R	N/A	N/A	N/A

NR = not recorded; R = still convalescing from surgery (less than one month post operatively); U = unable to assess as has not returned to work after surgery for other reasons; N/A = not applicable.