



Effects of intravenous xylazine versus dexmedetomidine premedication with ketamine-midazolam-isoflurane anaesthesia for castration in horses

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Supplementary Table 1. Mean±SD values of sedative characteristics

Group I	Group II	t-value
3.00±0.00 ^a (0)	4.00±0.00 ^a (0)	-
Good	Excellent	-

Range for scores given in parenthesis. *t cannot be computed because the standard deviations of both groups are 0.

Supplementary Table 3. Statistical analysis of qualitative parameters of anaesthesia (Mann Whitney U-test)

Parameter	MW-U-value
Quality of induction	18.0 ^{NS}
Anaesthetic depth	18.0 ^{NS}
Recovery score	11.0 ^{NS}

**, significantly different at $P \leq 0.01$; *, significantly different at $P \leq 0.05$; ^{NS}, Not Significant at $P > 0.05$.

Supplementary Table 2. Mean±SD values of anaesthetic parameters

Parameter	Group I	Group II	t-value
Mean time for induction (Seconds)	19.3±2.1	20.8±2.4	1.116 ^{NS}
Quality of induction	1.00±0.00 ^a (0)	1.00±0.00 ^a (0)	-
Anaesthetic depth	0.00±0.00 ^a (0)	0.00±0.00 ^a (0)	-
Quality of muscle relaxation	1.50±0.55 (1)	1.00±0.00 (0)	2.236*

Range for scores given in parenthesis. *t cannot be computed because the standard deviations of both groups are 0. Means bearing similar superscripts do not differ significantly. **, significantly different at $P \leq 0.01$; *, significantly different at $P \leq 0.05$; ^{NS}, Not Significant at $P > 0.05$.

Supplementary Table 4. Mean±SD values of recovery parameters

Parameter	Group I	Group II	t-value
Duration of lateral recumbency (minutes)	21.0±4.9	21.3±6.2	0.102 ^{NS}
Duration of sternal recumbency (minutes)	17.3±11.0	9.6±2.7	1.646 ^{NS}
Number of attempts to stand	1.83±1.17	1.17±0.41	1.319 ^{NS}
Total time to stand (minutes)	38.3±8.0	31.0±4.7	1.921 ^{NS}
Recovery score	2.00±1.09 (3)	1.33±0.52 (1)	1.348 ^{NS}

Range for scores given in parenthesis. Means bearing similar superscripts do not differ significantly. **, significantly different at $P \leq 0.01$; *, significantly different at $P \leq 0.05$; ^{NS}, Not Significant at $P > 0.05$.