



Clinico-physiological studies of atropine-tiletamine-zolazepam-sevoflurane anaesthesia with or without dexmedetomidine premedication in dogs

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Supplementary Table 1. Recording of anaesthetic reflexes in animals of both the groups (Median±SE)

Reflex	Group	0 min	5 min after preanaesthetic	5 min after induction	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
Muscle relaxation	A	1.00± 0.00 ^b	1.00± 0.00 ^b	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	3.00± 0.36 ^{ab}	1.50± 0.34 ^b
	B	1.00± 0.00 ^c	3.00± 0.00 ^{bc}	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.00 ^a	4.00± 0.21 ^{ab}
Palpebral reflex	A	0.00± 0.00 ^b	0.00± 0.00 ^b	1.00± 0.00 ^{ab}	2.00± 0.00 ^{ab}	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	2.00± 0.34 ^{ab}	0.00± 0.21 ^b
	B	0.00± 0.00 ^b	2.00± 0.00 ^{ab}	2.00± 0.00 ^{ab}	2.00± 0.00 ^{ab}	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	2.50± 0.22 ^{ab}
Pedal reflex	A	0.00± 0.00 ^b	0.00± 0.00 ^b	2.00± 0.00 ^{ab}	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	1.50± 0.49 ^{ab}	0.00± 0.00 ^b
	B	0.00± 0.00 ^c	2.00± 0.00 ^{bc}	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.21 ^{ab}
Analgesia	A	0.00± 0.00 ^c	0.00± 0.00 ^c	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.17 ^{ab}	2.00± 0.36 ^{abc}	0.50± 0.34 ^{bc}
	B	0.00± 0.00 ^c	2.00± 0.00 ^{bc}	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.00 ^a	3.00± 0.21 ^{ab}

Medians with different superscripts within row differ significantly (P<0.05).

Supplementary Table 2. Recording of biochemical parameters in animals of both the groups (Mean±SE)

Parameter	Groups	Time interval (h)				
		0	0.5	1	6	24
Glucose (mg/dl)	A	71.21±1.53 ^c	83.50±1.22 ^b	89.13±1.43 ^a	82.87±0.88 ^b	74.73±1.47 ^c
	B	72.01±1.74 ^d	87.73±1.62 ^b	94.81±1.64 ^a	89.05±1.21 ^{ab}	78.74±1.44 ^c
Total Protein (g/dl)	A	6.47±0.31	6.31±0.31	6.25±0.32	6.29±0.32	6.39±0.31
	B	6.47±0.32	6.12±0.32	6.03±0.33	6.17±0.33	6.39±0.32
Serum Albumin (g/dl)	A	2.94±0.11	2.71±0.10	2.64±0.11	2.69±0.11	2.83±0.10
	B	2.98±0.11	2.62±0.10	2.52±0.12	2.61±0.09	2.85±0.10
Serum Urea Nitrogen (mg/dl)	A	21.18±0.83	19.48±0.83	19.41±0.83	19.94±0.85	21.97±0.84
	B	21.40±0.91	20.51±0.91	20.97±0.85	21.20±0.81	21.89±0.83
Serum Creatinine (mg/dl)	A	1.27±0.10	1.19±0.10	1.22±0.10	1.21±0.11	1.21±0.11
	B	1.31±0.08	1.28±0.07	1.29±0.07	1.26±0.07	1.23±0.07
Serum alanine amino transferase (U/L)	A	34.64±1.38	32.11±1.44	32.81±1.46	33.03±1.47	33.38±1.45
	B	34.68±1.39	31.95±1.40	32.78±1.41	32.97±1.40	33.56±1.42
Serum aspartate amino transferase (U/L)	A	27.39±2.76	25.87±1.92	26.51±1.87	26.44±1.82	26.19±1.79
	B	24.94±1.62	23.12±1.67	23.84±1.72	23.88±1.63	24.01±1.64

The pair of values with different superscript vary significantly (P<0.05).