



Expression of parlour behaviour, temperament, welfare and approach test in postpartum Surti buffaloes (*Bubalus bubalis*)

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Supplementary Table 1. Temperament scoring at the time of milking and in paddock

Score	Class	Particular
1	Docile	Very quiet, never gives any trouble, extremely docile during milking and preparation, the 'ideal milker'
2	Slightly restless	Stands quietly, not bothered by preparation or milking, but may move frequently, shifting weight from side to side, may flick tail occasionally, give very little trouble
3	Restless	Generally quiet, but moves around a lot, may lift feet occasionally during preparation or milking, but does not kick, flicks tail frequently or appears restless occasionally
4	Aggressive	Appears very restless during preparation or milking; kicks at handlers occasionally; steps from side to side a great deal; quivers when a hand is placed on her
5	Nervous	Appears very restless during preparation or milking, kicks the handlers and struggles violently, occasionally, quivers when hand is placed over the back

Supplementary Table 2. Human approach test scoring

Score	Description
1	Avoidance of approaching test person at a distance of more than 2 m.
2	Avoidance of approaching test person at a distance of 1.5 to 2 m.
3	Acceptance of test person standing at a distance less than 1.5 m, but avoidance of the test person when stretching out his hand.
4	Acceptance of test person stretching out his hand but avoidance of being touched.
5	Acceptance of being touched.

Supplementary Table 3. Effect of parity on urination and defecation incidences during milking in postpartum Surti buffaloes

Occurrence		Primiparous (n=49)	Multiparous (n=49)	χ^2 value
Urination incidences (%)	Present	46.9	26.5	4.391*
	Absent	53.1	73.5	
Defecation incidences (%)	Present	22.4	0.0	12.391**
	Absent	77.6	100.0	

* and ** indicates significance at $P < 0.05$ and $P < 0.01$, respectively across rows.

Supplementary Table 4. Effect of parity on serum cortisol concentration ($\mu\text{g/dl}$) in postpartum Surti buffaloes

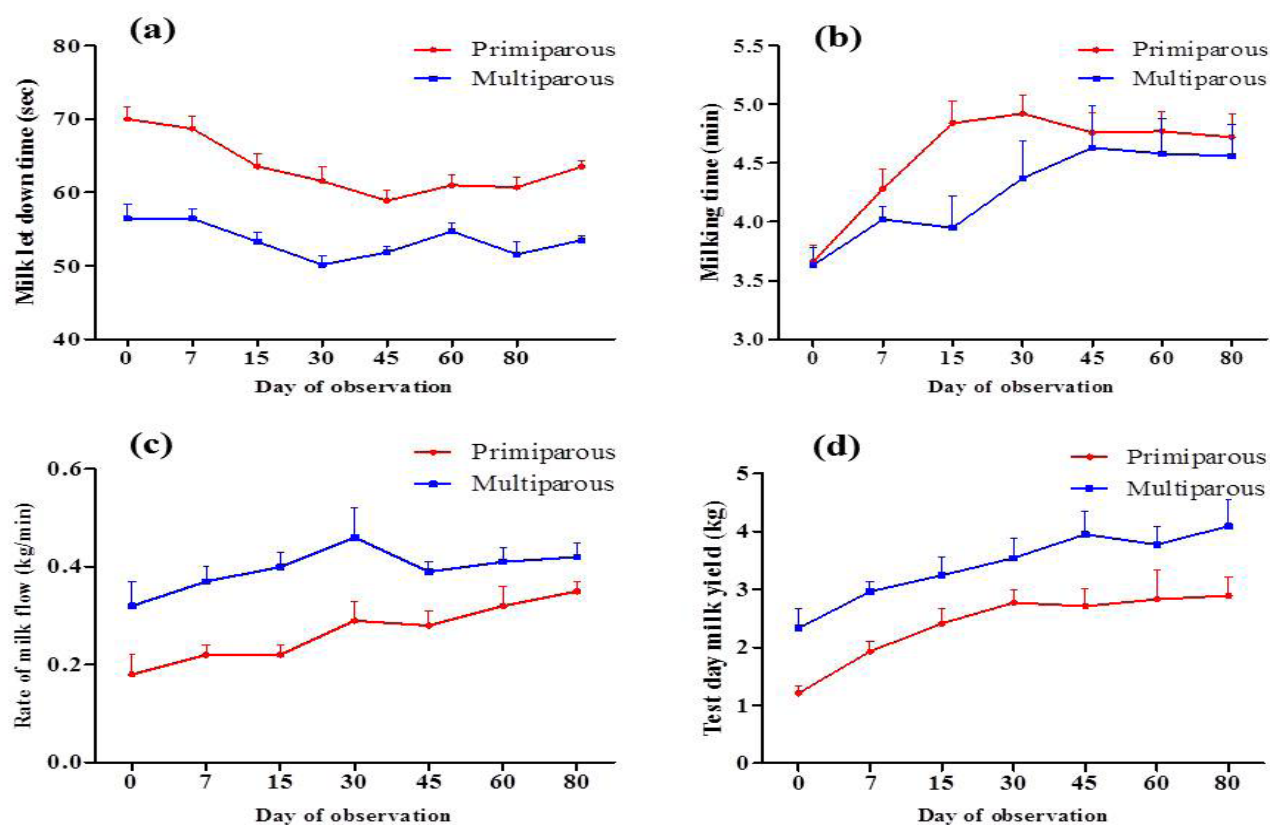
Days	Primiparous (n=7)	Multiparous (n=7)	Overall (n=14)	't' value
0 th	3.06±0.36	2.71±0.29	2.88±0.23	0.770
15 th	4.00±0.91	2.41±0.16	3.21±0.50	1.714
30 th	3.11±0.64	2.78±0.46	2.94±0.38	0.416
60 th	3.83±0.92	3.76±0.71	3.80±0.60	0.067
Overall	3.50±0.36	2.91±0.23	3.21±0.22	1.364

* and ** indicates significance at $P < 0.05$ and $P < 0.01$, respectively across rows.

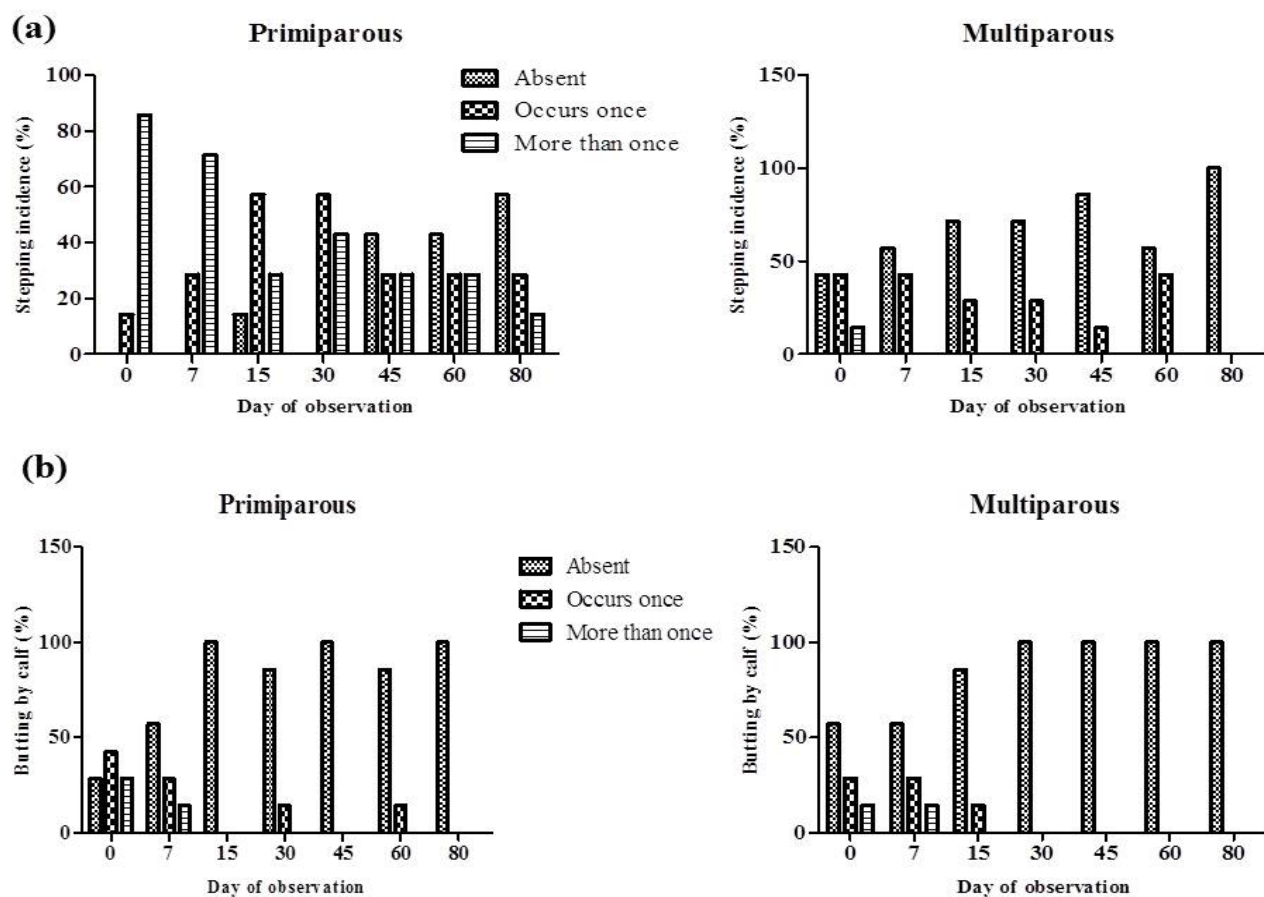
Supplementary Table 5. Effect of parity on postpartum uterine discharge (up to 4 days of calving) in postpartum Surti buffaloes

Day of observation	Occurrence	Primiparous (n=7)		Multiparous (n=7)		χ^2 value
		Incidence (no.)	Incidence (%)	Incidence (no.)	Incidence (%)	
Up to 4 days of calving	Clear to light brown watery fluid without off smell	3	42.9	6	85.7	3.000
	Clear to yellowish white mucoid fluid with some off smell	3	42.9	1	14.3	
	Thick white pus with pronounced foul smell	1	14.3	0	0.0	
	Dirty brownish watery to purulent with pronounced foul smell	0	0.0	0	0.0	

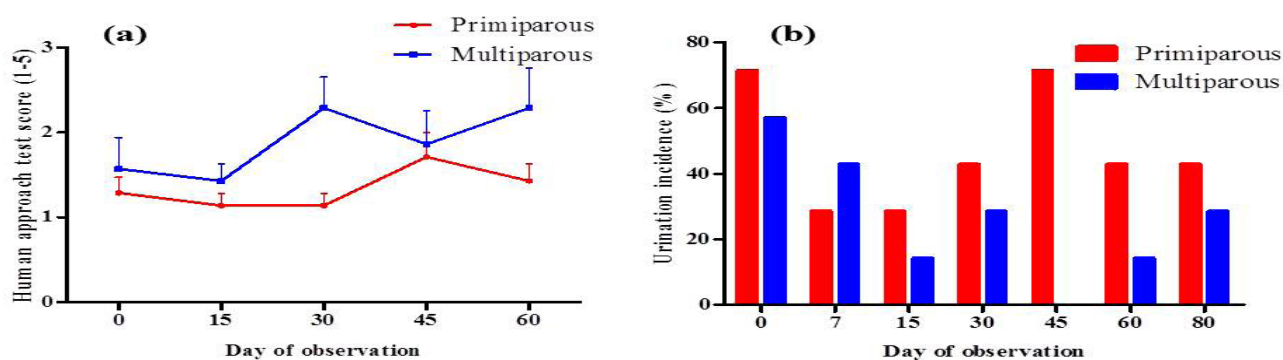
* and ** indicates significance at $P < 0.05$ and $P < 0.01$, respectively across rows.



Supplementary Fig. 1. Milking behaviour attributes in primiparous and multiparous postpartum Surti buffaloes.



Supplementary Fig. 2. Frequency of incidences of stepping (a) and butting by calf (b), in primiparous and multiparous postpartum Surti buffaloes.



Supplementary Fig. 3. Human approach test score (a) and urination incidence (b), in primiparous and multiparous postpartum Surti buffaloes.