

Table a3: Bonferroni-adjusted *P* Values for multiple pairwise comparisons of Remifentanil doses by stimulus type

Stimulation type	Doses compared	ANI	SPI	PD	HR	MAP	BIS
Intra-cutaneous	0.2 vs 0.15	0.011	0.685	0.638	0.481	0.882	1.000
	0.2 vs 0.1	< 0.001	0.007	0.001	0.481	0.284	1.000
	0.2 vs 0.05	< 0.001	< 0.001	< 0.001	< 0.001	0.434	1.000
	0.2 vs 0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.000
	0.15 vs 0.1	0.004	0.009	0.001	0.581	0.289	1.000
	0.15 vs 0.05	< 0.001	< 0.001	< 0.001	< 0.001	0.626	1.000
	0.15 vs 0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.000
	0.1 vs 0.05	< 0.001	< 0.001	< 0.001	0.001	0.184	1.000
	0.1 vs 0	< 0.001	0.001	< 0.001	< 0.001	< 0.001	1.000
	0.05 vs 0	0.135	0.566	< 0.001	0.001	< 0.001	1.000
Tetanic	0.2 vs 0.15	0.772	0.315	0.005	0.820	0.814	0.330
	0.2 vs 0.1	0.001	0.006	< 0.001	1.000	0.456	1.000
	0.2 vs 0.05	< 0.001	< 0.001	< 0.001	< 0.001	0.760	1.000
	0.2 vs 0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.000
	0.15 vs 0.1	< 0.001	0.056	0.006	1.000	0.677	1.000
	0.15 vs 0.05	< 0.001	< 0.001	< 0.001	< 0.001	0.655	0.330
	0.15 vs 0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.000
	0.1 vs 0.05	< 0.001	< 0.001	< 0.001	< 0.001	0.452	1.000
	0.1 vs 0	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	1.000
	0.05 vs 0	0.005	0.216	< 0.001	< 0.001	< 0.001	1.000

The sequential Bonferroni adjusted significance level for comparisons pertaining to a given variable and stimulus type is 0.05. Compared Remifentanil doses range from 0 (propofol only) to 0.2 µg kg⁻¹ min⁻¹ by steps of 0.5 µg.

ANI = Analgesia Nociception Index, SPI = Surgical Pleth Index, PD = pupil diameter, HR = heart rate, MAP = mean arterial blood pressure and BIS = bispectral index.