

Supplemental Table 1. Results of the repeated measures analysis-of-variance used to detect the difference between non-noxious and noxious stimuli.

	<i>Before Stimulus</i>	<i>After Stimulus</i>	<i>Difference between After and Before*</i>
Heart rate	NS	F(2,96)=9.4, p=0.00019	F(2,96)=27, p=5.9e-10
Mean arterial pressure	NS	F(2,80)=28, p=7.8e-19	F(2,80)=18, p=3.9e-7
Nociceptive Level	NS	F(2,96)=23, p=5.7e-9	F(2,96)=46, p=1.1e-14

* interaction term. NS not significant.

Supplemental Table 2. Scheffe *post-hoc* analysis, comparing non-noxious stimuli vs. incision vs. intubation in those cases where the repeated measures analysis of variance (Table S1) showed significant differences between groups (*ie.* significant interaction terms).

	<i>Comparison</i>	<i>After Stimulus</i>	<i>Difference between After and Before</i>
Heart rate	Incision > No Pain	F(1,96)=0.11, p=0.075	F(1,96)=1.4, p=0.24
	Intubation > No Pain	F(1,96)=4.8, p=0.031	F(1,96)=55, p=4.6e-11
	Intubation > Incision	F(1,96)=3.1, p=0.081	F(1,96)=23, p=7.1e-6
Mean arterial pressure	Incision > No Pain	F(1,80)=4.3, p=0.041	F(1,80)=12, p=0.00089
	Intubation > No Pain	F(1,80)=20, p=2.2e-5	F(1,80)=27, p=1.3e-6
	Intubation > Incision	F(1,80)=6.4, p=0.013	F(1,80)=3.3, p=0.072
Nociceptive Level	Incision > No Pain	F(1,96)=13, p=0.00054	F(1,96)=22, p=1.0e-5
	Intubation > No Pain	F(1,96)=42, p=3.6e-9	F(1,96)=97, p=3.3e-16
	Intubation > Incision	F(1,96)=4.8, p=0.032	F(1,96)=18, p=4.8e-5