

Additional file 3. Respiratory parameters, need for intraoperative rescue analgesia and postoperative pain scores.

Parameter	Group MV (n = 13)	Group A (n = 12)	P-value (two-sided)
ETCO ₂ (mmHg) before incision	48 ± 4	43 ± 5	0.005
ETCO ₂ (mmHg) 1 st ovarian vessels clamped	46 ± 5	43 ± 5	0.104
ETCO ₂ (mmHg) 2 nd ovarian vessels clamped	46 ± 4	44 ± 3	0.319
ETCO ₂ (mmHg) abdominal closure started	46 ± 5	45 ± 4	0.564
Mechanical/spontaneous ventilation	1/12	3/9	0.322
ET _{sevo} (%) before incision	2.0 (1.9 – 2.2)	2.1 (1.9 – 2.3)	0.434
ET _{sevo} (%) 1 st ovarian vessels clamped	2.1 (1.9 – 2.2)	2.15 (1.9 – 2.3)	0.226
ET _{sevo} (%) 2 nd ovarian vessels clamped	2.1 (1.7 – 2.4)	2.1 (1.9 – 2.4)	1.000
ET _{sevo} (%) abdominal closure started	2.05 (1.6 – 2.4)	2.1 (1.9 – 2.5)	0.645
Fentanyl yes/no	4/9	4/8	1.000
Pain score (GCMPs)	3 (0 – 5)	2.5 (1 – 4)	1.000

Dogs were anaesthetised with sevoflurane for elective ovariectomy and premedicated intramuscularly with methadone 0.2 mg/kg combined with either medetomidine 0.01 mg/kg and vatinoxan 0.2 mg/kg (group MV) or acepromazine 0.02 mg/kg (group A) and anaesthesia was induced with IV propofol. ETCO₂=end-tidal carbon dioxide tension, ET_{sevo}=end-tidal fraction of sevoflurane, GCMPs=Glasgow composite measure pain scale (short form). Data are presented as mean±SD or median (minimum - maximum).