

Table SI. Physiological variables measured in an ovine model of intensive care.

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|----------------|---|
| Cardiovascular | Heart Rate (HR) Central Venous Pressure (CVP) Pulmonary Artery Pressure (PAP) Cardiac Index (CI) Norepinephrine (NE) dose Parenteral fluids administered Systemic Vascular Resistance Index (SVRI) Pulmonary Vascular Resistance Index (PVRI) Left Ventricular Stroke Work Index (LVSWI) Right Ventricular Stroke Work Index (RVSWI) |
| Respiratory | PaO ₂ :FiO ₂ (P:F) Pulmonary Compliance (V _T /P _{plat}) Partial pressure of arterial carbon dioxide (PaCO ₂) Minute ventilation (V _A) |
| Neurological | Sedation requirements |
| Hepatic | Alkaline phosphatase (ALP) Bilirubin (Bili) Alanine aminotransferase (ALT) |
| Renal | Urine flow Serum creatinine Serum urea Fluid balance |
| Microbiology | Blood Cultures |
| Haematological | Haemoglobin (Hb) concentration White Cell Count (WCC) Coagulation Indices: Platelet (PLT) count Prothrombin Time (PT) activated Partial Thromboplastin Time (aPTT) Fibrinogen concentration |
| Metabolic | Serum electrolytes Na ⁺ , K ⁺ , Cl ⁻ , HCO ₃ ⁻ , anion gap (AG) Arterial blood pH Serum Lactate Temperature Oxygen extraction ratio (OER) Coronary, Renal, Hepatic, Hind-limb, Systemic |
| Endocrine | Free-T3 Free-T4 Cortisol |

T3, triiodothyronine; T4, thyroxine.

Table SII. Characteristics of sheep managed with ICU supports for 26 h, with (n=5) and without (n=5) an intravenous infusion of T3 (1 µg/kg/h for 24 h). Mean ± SD.

| Characteristic | No T3 n=5 | T3 n=5 | P-value |
|--------------------------|------------------|---------------|----------------|
| Weight (kg) | 57±2 | 61±4 | 0.06 |
| Ketamine (mg/kg/h) | 5.7±1.4 | 7.1±2.3 | 0.48 |
| Midazolam (mg/kg/h) | 0.3±0.1 | 0.4±0.2 | 0.50 |
| Parenteral Fluid (ml/kg) | 97±13 | 87±5 | 0.15 |
| Fluid Balance (ml/kg) | 94±47 | 64±10 | 0.22 |

ICU, intensive care unit; T3, triiodothyronine.