**Table 1.** Experimental protocols for randomised controlled trials (i) to (vi).

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| **Aim** | **Ventilation** | **Dose of chloroquine** | **Intervention timing** | **Control** | **Intervention groups** |
| (i) Efficacy of ligands for benzodiazepine binding sites (before infusion of chloroquine) | Spontaneously breathing | 2 mg kg-1 min-1 until death | 10 minutes before start of chloroquine infusion | 1 ml kg-1 of 25% ethanol, 25% polyethylene glycol-300 in saline (NaCl 0.9%) | 1. Diazepam 2 mg kg-1  2. Clonazepam 1.1 mg kg-1  3. Ro5-4864 0.16 mg kg-1 |
| (ii) Efficacy of ligands for benzodiazepine binding sites (during infusion of chloroquine) | Ventilated | 1 mg kg-1 min-1 for 60 minutes | 30 minutes following start of chloroquine infusion | 1 ml kg-1 of 25% ethanol, 25% polyethylene glycol-300 in saline (NaCl 0.9%) | 1. Diazepam 2 mg kg-1  2. Clonazepam 1.1 mg kg-1  3. Ro5-4864 0.16 mg kg-1 |
| (iii) Efficacy of ligands for benzodiazepine binding sites (after infusion of chloroquine) | Spontaneously breathing | 2 mg kg-1 min-1 for 15 minutes | Immediately following cessation of chloroquine infusion | 1 ml kg-1 of 25% ethanol, 25% polyethylene glycol-300 in saline (NaCl 0.9%) | 1. Diazepam 2 mg kg-1  2. Clonazepam 1.1 mg kg-1  3. Ro5-4864 0.16 mg kg-1 |
| (iv) Efficacy of high dose diazepam (during infusion of chloroquine) | Ventilated | 1 mg kg-1 min-1 for 60 minutes | 30 minutes following start of chloroquine infusion | 1 ml kg-1 of 10% N,N-dimethylacetamide, 5% Tween-80 in saline (NaCl 0.9%) | 1. Diazepam 10 mg kg-1 |
| (v) Efficacy of diazepam (during infusion of chloroquine) with a non-barbiturate anaesthetic | Ventilated | 1 mg kg-1 min-1 for 60 minutes | 30 minutes following start of chloroquine infusion | 1 ml kg-1 of 25% ethanol, 25% polyethylene glycol-300 in saline (NaCl 0.9%) | 1. Diazepam 2 mg kg-1 |
| (vi) Efficacy of diazepam and adrenaline (during infusion of chloroquine) | Ventilated | 1 mg kg-1 min-1 for 60 minutes | 30 minutes following start of chloroquine infusion | 1 ml kg-1 of 25% ethanol, 25% polyethylene glycol-300 in saline (NaCl 0.9%) (vehicle for diazepam)  0.1 mg kg-1 ascorbic acid 0.01% in saline (NaCl 0.9%) (vehicle for adrenaline) | 1. Adrenaline 0.3 μg kg-1 min-1 (+ vehicle for diazepam)  2. Diazepam 2 mg kg-1 (+ vehicle for adrenaline)  3. Diazepam 2 mg kg-1 + adrenaline 0.3 μg kg-1 min-1 |