



# PACKMaN – Paramedic Analgesia Comparing Ketamine and Morphine in trauma

**What is the study?** PACKMaN is a double-blind, randomised controlled trial of ketamine versus morphine for West Midlands Ambulance Service patients with traumatic pain.

**How will we know a patient is in the study?** Crews will use the study name “PACKMaN” at handover, as well as in their electronic patient record. The patients will be wearing a PACKMaN wristband.



**What will the patient have received?** PACKMaN doses will be listed in ml – patients will receive either 1mg/ml morphine or 1.5mg/ml ketamine – to a maximum dose of **20mg morphine** or **30mg ketamine**.

**What analgesia can we use for these patients?** Hospital staff should follow normal clinical practice – which can include morphine, ketamine, or other painkillers. You do not need to unblind and give the same painkiller as the crew

**What if we suspect an adverse reaction?** Adverse reactions should be reported at [www.warwick.ac.uk/packmanhospitals](http://www.warwick.ac.uk/packmanhospitals). For emergency unblinding, ring the telephone number on the wristband and quote the pack number (begins with “PM”) and “PACKMaN emergency unblinding”  
For more information: [www.warwick.ac.uk/packman](http://www.warwick.ac.uk/packman)