

ADAM STRAIN

**AGE :**

**WEIGHT:**

MORPHINE ADDED TO 50 ml 1/5 SALINE / 4% DEXTROSE

mg

MORPHINE BOLUS

mg

GIVEN AT :

HRS

INFUSION STARTED AT

HRS

RATE OF INFUSION AT

ml/lr

**AS - ROYAL**

049-008-017

## MORPHINE INFUSION FOR POST OPERATIVE PAIN RELIEF

The purpose of morphine infusion is to provide pain relief to patients following major surgery. The decision to give this type of pain relief will be made pre-operatively by the surgeon, the anaesthetist and the ward sister.

Following a loading dose of morphine the infusion will be commenced in theatre by the anaesthetist and will run for a period of up to 24 hours post-operatively in the ward.

### DOSAGE

LOADING DOSE .05 mg/kg

INFUSION  $wt_2(kg)$  = Number of mg of morphine to be added to  
500 ml of 1/5 N SALINE / 4% DEXTROSE. Run  
initially at 20 ml/hr.

If analgesia is inadequate, following discussion with the medical staff the infusion may be increased to 30 ml/hr.

### MANAGEMENT

The morphine infusion will be delivered with an ABBOTT LIFE CARE infusion pump ONLY through a separate intravenous line. A dedicated infusion set with a built in 150 ml burette must only be used.

The infusion rate will be set in ml/hr and will have to be reset every hour.

Hourly volumes and the total volume infused will be recorded on the back of this sheet.

Initially TPR to be recorded hourly for the first four hours - then four hourly thereafter.

### COMPLICATIONS

- Sign of overdose
- Increasing sleepiness or coma
- Pin point pupils
- Depressed respirations

If at all worried stop morphine infusion immediately and call medical staff.

### TREATMENT OF OVERDOSE

- Establish a patent airway and ventilate the patient
- NALOXONE (NARCAN) 0.01 - 0.02 mg/kg I.V. which may need to be repeated after 20-30 minutes.