

Patient Controlled Analgesia - Paediatric Summary Clinical Guideline - Derby only

Reference No: PA PCA 01/Aug 20/v007

Pump set-up

- The PCA pump should be set up in the recovery/ward area by the anaesthetist, paediatric acute pain team or PCA trained practitioner in recovery. The pump settings should be checked and the pump should be connected to the patient by an anaesthetist or member of the acute pain team.
- Complete the paper PCA prescription and electronic treatment chart
- Commence the PCA pain chart
- Check PCA settings, 1ml check and document on handover or after set up on the ward.
- The PCA checklist will help to ensure all items are complete

Minimum standard for PCA Observations

Hourly recordings of:

- Pain score
- Sedation score
- Nausea & vomiting score
- Respiratory rate
- O₂saturation
- Pump Volume
- Patient bolus
- Refused bolus
- Total PCA dose (ml)

Discontinuing PCA:

- The need for continuing PCA should be reviewed 12hrly - please use your clinical judgement.
- The child should be able to tolerate oral analgesia.
- Fewer than 2 boluses per hour suggest that PCA can be discontinued. Remove the button and review pain relief required over 4hrs.
- Make sure that there is adequate breakthrough oral analgesia prescribed (in addition to regular simple analgesia)
- Dispose of any remaining morphine/pethidine as per medicines code
- Clean and return the pump to the equipment library

Paediatric PCA Handover/Set up Checklist

	Anaesthetist Setup Signature	Ward/recovery Setup	Handover Signature
PAED programme used			
Child's weight entered correctly if <48kg			
Opiate Concentration correct if wt <48kg			
Check syringe label and record volume remaining in syringe after setup			
Pressures 450mmHg or below			
2 port extension used with PCA line			
1 ml check performed			
Naloxone prescribed			
PCA prescribed on prescription form and Lorenzo/paper prescription chart			
Anti-emetics prescribed regularly and PRN			
Regular paracetamol (PO/IV) +/- NSAID's as appropriate			
IV fluids via Baxter pump			
Pump maintenance number on pain chart			