

PAED Intravenous Analgesia - PCA and Continuous PAED <= 50kg

Begin Effective Date: 13/10/2020 13/10/2020 16:03

The following orderset is appropriate for Paediatric patients with body weight 10 - 50 kg. Patients weighing greater than 50 kg can be treated as an adult. For these patients, use the Adult PCA order set. This order set is NOT appropriate for Paediatric patients < 1 years old or < 10 kg. Refer these patients to a Consultant Anaesthetist or Acute Pain Management Service.

PATIENT CARE

- ☒ Communication Order

Special Instructions: This patient has an order for an Intravenous Analgesia Infusion. Navigate to iView to document and refer to policy for the observations regime

Oxygen via nasal prongs or facemask is recommended for all patients (unless otherwise prescribed by APMS)

- ☒ Oxygen (O2) Therapy Paediatric/Newborn

MEDICATIONS

If the child is unable to understand the concept of PCA or they do not wish to control their own analgesia, a continuous opioid infusion may be a more suitable option

Morphine

PCA bolus dose 2 mL (20 microgram/kg) with lock-out interval of 5 minutes. 1 hour maximum of 10 mL (i.e. 5 boluses per hour). Continuous IV infusion rate 0 - 4 mL/hour (0 - 40 microgram/kg/hour). Recommended bolus for pain or painful procedures 1 - 2 mL (10 - 20 microgram/kg) at intervals of no less than 10 minutes.

Patient Controlled Analgesia +/- background infusion

- ☐ morphine (PCA) infusion 1 mg/kg in Sodium Chloride 0.9% 100 mL CONTINUOUS - PAED (10-50kg)
Sodium Chloride 0.9% PCA (mL)
Pt Adm Bolus (mL): 2, Lockout Interval (min): 5, IV Infusion, Routine, Rate: PCA
Comments: *Maximum 10 mL/hr (i.e. 5 bolus doses per hour)*
morphine (additive) 1 mg/kg

Background (continuous) IV Infusion only

- ☐ morphine infusion 1 mg/kg in Sodium Chloride 0.9% 100 mL CONTINUOUS - PAED (10-50kg) Sodium Chloride 0.9% infusion 100 mL, IV Infusion, Rate: TITRATE
morphine (additive) 1 mg/kg

Fentanyl

PCA bolus dose 2 mL (0.3 microgram/kg) with lock-out interval of 5 minutes. 1 hour maximum of 10 mL (i.e. 5 boluses per hour). Continuous IV infusion rate 0 - 8 mL/hour (0 - 1.2 microgram/kg/hour). Recommended bolus for pain or painful procedure 1 mL (0.15 microgram/kg) of infusion at intervals of no less than 5 minutes.

Patient Controlled Analgesia +/- background infusion

- ☐ fentanyl (PCA) infusion 15 MICROg/kg in Sodium Chloride 0.9% 100 mL CONTINUOUS - PAED (10-50kg) Sodium Chloride 0.9% PCA (mL)
Pt Adm Bolus (mL): 2, Lockout Interval (min): 5, IV Infusion, Routine, Rate: PCA
Comments: *Maximum 10 mL/hr (i.e. 5 bolus doses per hour)*
fentanyl (additive) 15 MICROg/kg

Background (continuous) IV Infusion only

- ☐ fentanyl infusion 15 MICROg/kg in Sodium Chloride 0.9% 100 mL CONTINUOUS - PAED (10-50kg) Sodium Chloride 0.9% infusion 100 mL, IV Infusion, Rate: TITRATE
fentanyl (additive) 15 MICROg/kg

REFERRALS

- ☒ Pain Service Referral
Service: Pain Medicine