PRESCRIPTION CHART

Intravenous Nurse/ Patient Controlled Analgesia

WARD

Pain Control Service Great Ormond Street Hospital for Children

NHS Foundation Trust, Great Ormond Street, London, WC1N 3JH

IV NCA / PCA
Fentanyl +
Ketamine

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SURNAME FIRST				ST NAME		HOSPITAL NUMBER		BER	D.O.B.			AGE		\	WEIGHT			
		VIE 0	•					005	0141	IN IOTE		10110						
ALLERGIES ?					otocol is printed on the back of this prescription													
					se in cor													
					30 111 001	·	711 9910		431 C		ai i	acti		Juliuc	,111103			
FENTANYL (≤ 50 kg 25 micrograms/kg) (> 50 kg 1250 micrograms)				DATE														
DOSE			micro	ogram														
MAXIMUM VOLUME in any 4 hour period excluding Loading Dose or Extra Bolus 20 ml					HR													
+ KETAMINE (≤ 50 kg 1 or 2 mg/kg) (> 50 kg 50 or 100 mg) DOSE mg made up to 50 ml with 0.9% sodium chloride or 5% glucose					MIN													
Tick which s	Solution	1000																
BACKGROUND 0-0.2 BOLUS 0.5-		0 – 0.2 n 0.5 – 2 5 – 10 m	nl/hr m l	ROUTE	EXTRA BOLUS DOSE													
NCA			DOSE R	ANGE	IV	• LOAD												
BACKGROUND 0 - BOLUS 0.5 LOCKOUT 20		0 – 1 ml/ 0.5 – 1 20 – 30 r 5 minute	m l min		DOSE													
LOADING DOSE OR EXTRA BOLUS •SYRINGE																		
			icrogram/kg			CHANGE												
		m/kg to max SIGNATURE		BLEEP 0577	SIGN													
PHARMACY	USE																	
<u> </u>					AS RI	EQUII	RED	DR	RUG	iS		<u> </u>		<u> </u>	j l			
NALOX	ONE	For	respira	tory dep														
DOSE		other	ROUTE		Instructions	DATE												
PRN		otriei	IV	4 micro	grams/kg	MIN												
micrograms		STAT	RESP RATE		DOSE GIVEN													
START DATE	SIG	GNATURI	BLEEP 057	breat	hs/min	ROUTE												
PHARMACY USE				SIGN														

Intravenous PCA / NCA

Protocol for the use of Fentanyl + Ketamine

concentration

Use in conjunction with Pain Management Chart and Clinical Practice Guidelines

Special precautions

weight

- Fentanyl is an alternative opioid, which may be used for patients who have a contra-indication to morphine or as part of an opioid rotation plan.
- Ketamine should only be prescribed after discussing the patient with an Anaesthetist or the Pain Control Service.

General instructions

- No supplementary opioids unless ordered by the Anaesthetist or Pain Control Service
- Line for IV opioids should be exclusive or an anti-reflux valve must be used
- An anti-syphon line must be used
- Record observations according to Clinical Practice Guidelines (at least hourly)
- Assess for pain and potential opioid related side-effects hourly while on NCA/PCA, and for 6 hours after cessation
- Multi-modal / synergistic analgesia ensure it is prescribed and administered
- Treatment of Nausea & vomiting: Give antiemetics as prescribed side-effects: Itching: Antihistamine as prescribed

drug and dose

drug and dose

Over sedation: See Sedation Scale

Respiratory depression: Assess child and if respiratory depression is suspected:

1. Stop infusion 2. Give Naloxone 3. Call Pain Control 4. Document actions in the child's records

Service

The Pain Control Service can be contacted on Bleep 0577 at any time (24 hours) Intravenous

as prescribed

up to 5	0 kg Fer	ntanyl 25 microgra	1 ml :	1 ml = 0.5 microgram/kg				
		AND	made up to 50 ml with 0.9% sodium chloride		(Max 4 hrly dose: 20 mls) 1 ml = 20 or 40 microgram/kg			
	Ke	tamine 1 or 2 mg/k		5				
SUGGESTED INITIAL PROGRAM		Loading dose (ml)	Background inf (ml/hr)	Bolus dose (ml)	Lockout (mins)			
PCA	standard	0.5 to 2	0 or 0.2	0.5 or 1	5 or 10			
NCA	standard	0.5 to 2	0, 0.2, 0.5 or 1	0.5 or 1	20 or 30			
NCA	in ICU areas	0.5 to 2	0, 0.2, 0.5 or 1	0.5 or 1	5			
NCA	neonates & infants < 5 kg	0.5 to 2	0	0.5	20			

g							
over 5	0 kg Fe	1 ml =	1 ml = 25 microgram				
		AND	made up to 50 ml with 0.9% sodium chloride or		(Max 4 hrly dose: 20 mls)		
	K	3	1 ml = 1 or 2 mg				
SUGGESTED INITIAL PROGRAM		Loading dose (ml)	Background inf (ml/hr)	Bolus dose (ml)	Lockout (mins)		
PCA	standard	0.5 to 2	0 or 0.2	1 or 2	5 or 10		
NCA	standard	0.5 to 2	0, 0.2, 0.5 or 1	1	20 or 30		
NCA	in ICU areas	0.5 to 2	0, 0.2, 0.5 or 1	1	5		