

4 PAIN MANAGEMENT IN LABOUR

4.8 NEURAXIAL BLOCKADE

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4.8.13 Drugs used by Anaesthetic Team in Obstetrics
Section B
Clinical Guidelines
King Edward Memorial Hospital
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4.8.13 DRUGS USED BY THE ANAESTHETIC TEAM IN OBSTETRICS

DRUGS USED IN LABOUR

TOP-UP

10mL of 0.125% bupivacaine + fentanyl 50microgram
(ie 2.5mL 0.5% bupivacaine + fentanyl 50microgram diluted to 10mL with Sodium chloride 0.9%)

PATIENT CONTROLLED EPIDURAL ANALGESIA (PCEA) (4ML BOLUS WITH 15 MINUTE LOCKOUT PERIOD)

0.0625 – 0.1% bupivacaine with 2microgram per mL fentanyl
(i.e. 6.25mL of 0.5% bupivacaine + fentanyl 100microgram diluted to 50mL with Sodium chloride 0.9%)

Ropivacaine 1mg per mL
(i.e. 25mL ropivacaine 2mg per mL diluted to 50mL with Sodium chloride 0.9%)

INFUSION

As for PCEA with a reduction in fentanyl concentration to 1- 2microgram per mL. Rate 8mL - 15mL per hour

RESCUE DOSE

- 0.125% bupivacaine 10mL OR
- 0.25% bupivacaine 4mL - 8mL OR
- Ropivacaine 2mg per mL, 4mL- 8mL

RECTAL PRESSURE

- Pethidine 50mg in 10mL Sodium chloride 0.9% OR
- Fentanyl 50microgram in 10mL Sodium chloride 0.9%

INSTRUMENTAL BIRTH

Lignocaine 2% with 1:2000,000 adrenaline: 4mL plus 4mL



POST OPERATIVE ANALGESIA

Drug	Mode	Epidural Dose	Intrathecal Dose	Intravenous Dose
Morphine	Patient Controlled Analgesia (PCA)	Never given via PCA	N/A	1mg : 5minutes lockout
	Bolus	3 - 5mg 6 hourly PRN (Bolus dose only)	100microgram - 200microgram	1- 5mg
Pethidine Maximum 1,000mg per 24 hours	PCA	20mg : 15 minutes lock out	N/A	
	Bolus	25mg - 50mg 2 hourly PRN		
Fentanyl	PCA	20microgram 15 minutes lock out	N/A	20microgram 5 minutes lock out
	Bolus	50 - 100microgram	15 - 30microgram	50 - 100microgram

OTHER DRUGS

Drug	Reason for Administration	Route	Dosage
Naloxone	Itch	IMI / IV	100 to 200microgram 1 to 2 hourly PRN
	Respiratory depression (opioid induced)	IMI / IV	400microgram 2 minutely PRN
Ephedrine	Hypotension (hypotensive crisis)	IV	30mg per mL Dilute to 10mL with Sodium chloride 0.9%. Give in 6mg increments 2 minutely PRN
Ondansetron	Nausea	IV	4mg 6 hourly PRN Maximum 16mg in 24 hours
Clonidine	Patchy block	Epidural	75microgram
	Shivering	Epidural	30microgram
Diazepam	Convulsions (local anaesthetic toxicity)	IV	10mg per mL Dilute to 10mL with Sodium chloride 0.9%. Give in 2.5mg increments
Midazolam	Convulsions (local anaesthetic toxicity) Slightly faster onset and shorter duration of action than diazepam	IV	5mg per 5mL Dilute to 10mL with Sodium chloride 0.9%. Give in 2.5mg increments