

Protocol for the use of Intravenous PCA / NCA Morphine

Intravenous

weight		drug and dose			concentration
Up to 50 kg		Morphine 1 mg/kg made up to 50 ml with 0.9% sodium chloride or 5% glucose			1 ml = 20 microgram/kg (Max 4 hrly dose: 20 mls)
<u>suggested initial program</u>		Loading dose (ml)	Background inf (ml/hr)	Bolus dose (ml)	Lockout (mins)
PCA	standard	2.5 or 5	0 or 0.2	0.5 or 1	5 or 10
NCA	standard	2.5 or 5	0, 0.2, 0.5 or 1	0.5 or 1	20 or 30
NCA	in ICU areas	2.5 or 5	0, 0.2, 0.5 or 1	0.5 or 1	5
NCA	neonates & infants < 5 kg	1 or 2.5	0	0.5	20

weight		drug and dose			concentration
Over 50 kg		Morphine 50 mg made up to 50 ml with 0.9% sodium chloride or 5% glucose			1 ml = 1 mg (Max 4 hrly dose: 20 mls)
<u>suggested initial program</u>		Loading dose (ml)	Background inf (ml/hr)	Bolus dose (ml)	Lockout (mins)
PCA	standard	2.5 or 5	0 or 0.2	1 or 2	5 or 10
NCA	standard	2.5 or 5	0, 0.2, 0.5 or 1	1	20 or 30
NCA	in ICU areas	2.5 or 5	0, 0.2, 0.5 or 1	1	5