WOMEN AND NEWBORN HEALTH SERVICE

Neonatology Clinical Care Unit (NCCU)
King Edward Memorial Hospital & Princess Margaret Hospital

NEONATAL MEDICATION PROTOCOLS

CALCULATION OF THE COMPOSITION OF MEDICATION INFUSIONS

Created by: NCCU Date for review: Sept 2016 NCCU Clinical Guidelines KEMH/PMH Perth. Western Australia

CALCULATION OF THE COMPOSITION OF DRUG INFUSIONS (50mL SYRINGE PUMP)

- 1. SELECT DESIRED DRUG DOSAGE TO BE DELIVERED IN microgram/kg/min.
- 2. SELECT INFUSION RATE OF SYRINGE PUMP IN mL/HOUR (FROM CENTRE OF TABLE).
- CALCULATE NUMBER OF MILLIGRAMS OF DRUG TO BE MIXED IN 50mL SYRINGE.

EG: 10kg CHILD, 0.1-0.2 microgram/kg/min, Infusion rate 1-2mL/hr PUT 0.3 milligram/kg (3 milligram) IN 50mL. mg= milligram

Infusion rate	0.15mg/kg	0.3mg/kg	0.6mg/kg	1.5mg/kg	3mg/kg	6mg/kg	15mg/kg	30mg/kg	60mg/kg	Suggested doses for commencement of treatment
required	in 50mL	in 50mL	in 50mL	in 50mL	in 50mL	in 50mL	in 50mL	in 50mL	in 50mL	
Microgram/										Adrenaline, Noradrenaline infusions:
kg/min	mL/hr									0.1-0.2 microgram/kg/min
0.05	1	mL/hr								Increase to a maximum of 1.5 microgram/kg/min
0.1	2	1	mL/hr							
0.2	4	2	1							La annonalina infusione O A misus annon Marketin
0.3	6 8	3 4	1.5 2	mL/hr						Isoprenaline infusion: 0.1 microgram /kg/min
0.4		4 5	2	mL/nr						
0.5	10	_	2	1						Midagalan Manusaine infraince
0.6	12	6 7	3							Midazolam, Vecuronium infusions:
0.7	14	,	4							1-2 microgram/kg/min
0.8	16	8	4							
0.9 1.0	18 20	9 10	E	2	mL/hr					
	20		5	2	1 - 1 -					Demonstrate Dehotomics infections
1.5		15 20	40	3 4	1.5	mL/hr				Dopamine, Dobutamine infusions:
2.0		20	10	•	2	1				5-10 microgram/kg/min
3.0			20	6	3	1.5				Increase to a maximum of 20 microgram/kg/min
4.0			20	8 10	4	2	mL/hr			
5.0				_	5		1			
6.0				12	6	3				
7.0				14	7	_				
8.0				16	8	4				
9.0				18	9	_		mL/hr		
10.0				20	10	5	2	1		
12.0					12	6				
14.0					14	7	_			
15.0					15		3	1.5	mL/hr	
20.0					20	10	4	2	1	
25.0							5			
30.0						15	6	3	1.5	
40.0						20	8	4	2	
50.0							10	5	-	
100.0							20	10	5	
150.0								15		
200.0								20	10	