



## 6 Esmolol infusion

- **(6) Esmolol** Our pre-mixed esmolol infusion bags contain 2.5G in 250mL of 0.9% NaCl (10mg/mL)
  - Tick nearest weight in table below; the corresponding column contains the infusion rates you will need
    In NC Meds, go to Emergency Medicine (ED) > Vasoactive meds (ED) > Esmolol. Select nearest weight
  - In NC Meds, go to Emergency Medicine (ED) > Vasoactive meds (ED) > Esmolol. Select nearest weight and prescribe '60-sec bolus & maintenance infusion' + 'extra 60-sec boluses' (both are already ticked).
  - If NC is offline, prescribe infusion on a paper drug chart as per box 7 below
  - NB: Infusion start and rate changes are best captured initially as verbal orders on the 'ER critical interventions log' rather than trying to record them in NC Meds in real time

Patient weight (in kg; select nearest value)																
		50	<b>55</b>	60	65	<b>70</b>	75	80	85	90	95	100	105	>109		
4)	60-sec bolus (mL/h)	150	165	180	195	210	225	240	255	270	285	300	315	330	500	red <g min<="" td=""></g>
rate	Maintenance (mL/h)	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33	50	/ere //kg
Infusion		30	33.0	36	39.0	42	45.0	48	51.0	54	57.0	60	63.0	66	100	ose d
		45	49.5	54	58.5	63	67.5	72	76.5	81	85.5	90	94.5	99	150	
		60	66.0	72	78.0	84	90.0	96	102.0	108	114.0	120	126.0	132	200	
		75	82.5	90	97.5	105	112.5	120	127.5	135	142.5	150	157.5	165	250	.⊑
		90	99.0	108	117.0	126	135.0	144	153.0	162	171.0	180	189.0	198	300	

(7) Esmolol example prescription during Nervecentre downtime For 85kg patient as per table in box 6												
Date	Infusion fluid		Additions to infusion			Line	Start Time	Time to run or ml/hr	Fluid			
	Type/strength	Volume	Drug	Dose	SC				Batch No.	Prescriber		
DD/MM/YY	10mg/mL	250mL	Esmolol (premíxed)	2.5 <i>g</i>	IV		нн:мм	255 ml/h 60-second bolus only		Dr.'s Name		
DD/MM/YY	10mg/ml	250mL	Esmolol (premixed)	2.5g	ΙV		нн:мм	25.5 - 153mL/h		Dr.'s Name		