

Management of Pain and Agitation: Mechanical Ventilation Anticipated For Less Than or Equal to 48 Hours

Orders apply to adult patients in intensive care units (15 years of age and older). Mark the **X** for desired orders. If □ are blank, order is inactive. All pre-printed doses are based on normal renal and hepatic function and must be assessed for adjustment against the individual patient's renal

Name		
Clinic Number		
Room Number		

	and hepatic function and for interactions with other medications.	
Height: Allergy modu Choose	cm Weight:kg Age: le reviewed. □ No additional allergies identified, or e one: □ Additional allergies identified and MICS Allergy updated, or □ Additional allergies. List (include reaction):	please update MICS Allergies
ALE	RT ler set does not apply to patients receiving neuromuscular blocking agents nor	to nationte receiving poninyacive mechanical ventilation
	ith endotracheal intubation and mechanical ventilation anticipated for great	
MEDICATION 1. Pain: C Target A. M	choose A or B. pain rating less than 4. ean Arterial Pressure greater than 70 mmHg. orphine (Duramorph®) IV	
	to 4 (maximum 30 mg in any one hour). $(2-5 \text{ mg})$ 2. If pain greater than or equal to 4 after 5 total doses in any one hour, by Repeat dose of $\frac{1}{(2-5 \text{ mg})}$ mg every 5 minutes for pain greater than or equal to 4 after 5 total doses.	(2-10 mg) all to 4 (maximum 30 mg in any one hour).
	If pain greater than or equal to 4 after 5 total doses in any one hour af hour every hour until pain rating less than 4 (maximum 15 mg per hour Other	
B. M	ean Arterial Pressure less than 70 mmHg, or if allergic to Morphine (Duramo	rph®):
⊢ €	 If pain greater than or equal to 4, give loading dose of mcg. Repequal to 4 (maximum 600 mcg in any one hour). (25 - 50 mcg) If pain greater than or equal to 4 after 5 total doses in any one hour, be 	(25 – 50 mcg)
П	3. If pain greater than or equal to 4 after 5 total doses in any one hour aff hour every hour until pain rating less than 4 (maximum 300 mcg per hour beautiful pain rating less than 3 (maximum 300 mcg per hour beautiful pain rating less t	equal to 4 (maximum 600 mcg in any one hour). The continuous infusion, increase continuous infusion by 25 mcg per
2. Agitatio	on (if pain rating less than 4): Choose A or B. sedation to 0 on Richmond Agitation Sedation Scale (RASS); see the reverse ean Arterial Pressure greater than 70 mmHg (choose a or b):	e of sheet.
 -	☐ 1. If RASS score greater than or equal to +1, give loading dose of (0.3 m Increase by 5 mcg/kg per minute until RASS score equal to 0 (max	g/kg) (5 – 80 mcg/kg)
b.	□ Other	mg. Repeat dose of mg every 5 minutes if RASS score $\frac{4 \text{ mg}}{1 - 4 \text{ mg}}$ mg every 5 minutes if RASS score one hour, begin continuous infusion at mg per hour.
В. М	Repeat dose of mg every 5 minutes if RASS score greater to 1 after 5 total doses in any 1 mg per hour every hour until RASS score equal to 0 (maximum 2) ean Arterial Pressure less than 70 mmHg, or if allergic to Propofol (Diprivan)) mg per hour).
	idazolam (Versed®) IV	mg. Repeat dose of $\frac{1}{(1-4 \text{ mg})}$ mg every 5 minutes if RASS score greate
	Repeat dose of mg every 5 minutes if RASS score greater than 3. If RASS score greater than or equal to +1 after 5 total doses in any one 1 mg per hour every hour until RASS score equal to 0 (maximum 20 mg	or equal to +1 (maximum 40 mg in any one hour). e hour after continuous infusion, increase continuous infusion by
□ 3. ※ Th	Other is order set is to be discontinued once the patient is extubated and no longer	receiving mechanical ventilation.
Prescriber's	Signature: Prescriber's Pa	ger #: Service Pager #:
Prescriber's	Printed Name:	Date: <u>m m / d d / y y y y</u> Time: <u>h h : m m</u>

Part 2 - Nursing This order set has been developed to reflect the practice patterns of the clinicians who wrote it. It sets forth recommendations as to practice, not rigid rules.

Part 3 - Order Book

(24 hour clock)

Part 1 - Pharmacy

Richmond Agitation-Sedation Scale (RASS)

Score	Term	Description	
+4	Combative	Overtly combative; violent; immediate danger to staff	
+3	Very agitated	Pulls or removes tube(s) or catheter(s); aggressive	
+2	Agitated	Frequent nonpurposeful movement, fights ventilator	
+1	Restless	Anxious but movements not aggressive or vigorous	
0	Alert and calm		
-1	Drowsy	Not fully alert, but has sustained awakening (Eye opening/eye contact) to voice (> 10 seconds)	
-2	Light sedation	Briefly awakens with eye contact to voice (< 10 seconds)	
-3	Moderate sedation	Movement or eye opening to voice (but no eye contact)	
-4	Deep sedation	No response to voice, but movement or eye opening to physical stimulation	
-5	Unarousable	No response to voice or physical stimulation	

Procedure for RASS assessment

1. Observe patient

• Patient is alert, restless, or agitated. Score 0 to +4

2. If not alert, state patient's name and say to open eyes and look at speaker.

Patient awakens with sustained eye opening and eye contact.
 Patient awakens with eye opening and eye contact, but not sustained.
 Score -2
 Patient has any movement in response to voice but no eye contact.
 Score -3

3. When no response to verbal stimulation, physically stimulate patient by Shaking shoulder and/or rubbing sternum.

Patient has any movement to physical stimulation.
 Patient has no response to any stimulation.
 Score -5

Sessler, C. (2002). <u>American Journal of Respiratory Critical Care Medicine</u>. The Richmond Agitation-Sedation Scale: validity and reliability in adult intensive care unit patients. 166, 1338-1344.