6						
Conti	<b>REGIONAL ADULT PARENTERAL DRUG MONOGRAPH</b>					
Southern Sud	GENERIC NAME					
Health	naloxone					
Effective Date: Dec 2011	CLASSIFICATION	OTHER NAME	ES PAGE			
Revised Date: Dec 2022	Narcotic antagonist	Narcan	1 of 2			
ADMINISTRATION POLICY:						
V Infusion – Administration restricted to nurses experienced in ED/CARDIAC ROOM/ICU/PACU						
Intraosseus (IO)	Administration restricted to nurses experienced in ED/CARDIAC ROOM/ICU/PACU					
IV Bolus -	May be administered by a nurse					
Subcutaneous – May be administered by a nurse						
RECONSTITUTION/DILUTION/ADMINISTRATION:						
Available as: 0.4 mg/mL ampoule and 10 mL multidose vial, 1 mg/mL vial						
<b>IV Bolus:</b> Administer over 30 to 60 seconds						
For doses greater than 0.4 mg:		Administer undiluted				
For doses (0.1 to 0.4 mg):		Add 0.4 mg (1 mL of 0.4 mg/mL) to 3 mL normal saline				
	Final Volume: 4 mL <u>Final Concentration:</u> 0.1 mg/mL					
For doses (0.02 to 0.08 mg):Add 0.4 mg (1 mL of 0.4 mg/mL) to 9 mL normal sa Final Volume: 10 mL Final Concentration: 0.04 mg/mL)						
IM/Subcutanoous: Ma	wadminister undiluted only if		<u>u Concentration:</u> 0.04 mg/mL			
<b>IM/Subcutaneous:</b> May administer undiluted only if unable to obtain IV access.						
IV Infusion: Pump Library:						
Drug Library	Dose Rate	Short Name	Care Unit			
Yes	mg/h	nalox4	Critical Care			
Drug	Diluent	Final Volume (VTBI)	Final Concentration			
4 mg (10 mL of 0.4 mg	g/mL) 100 mL NS	110 mL	0.036 mg/mL			
Clinical Advisory: High	Alert					

Soft Low Dose Limit: 0.1 mg/h

## Soft High Dose Limit: 3 mg/h

#### **DOSAGE:**

#### **Treatment of opioid overdose:**

riculation of opticial of crude			
IV bolus/IM/Subcutaneous:	0.4 mg to 2 mg repeating every 2 to 3 minutes until respiratory rate is greater than 10		
	per minute		
	For overdoses suspected to be due to high potency opioids the following titration protocol is recommended:		
	0.4 mg, 0.4 mg, 2 mg, 10 mg administered at 2 to 3-minute intervals until adequate response obtained.		
IV continuous:	0.1 to 3 mg/hour, titrate to response		
Reversal of opioid induced r	espiratory depression:		
IV bolus/IM/Subcutaneous:	0.04 to 0.4 mg over 30 seconds at 2 to 3-minute intervals until respiratory rate is greater than 10 breaths/minute		
IV Continuous:	0.1 to 0.4 mg/hour, titrate to patient response		

#### (dosage continued)

Approved by the Regional Pharmacy & Therapeutics Committee



# REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

Santé						
Southern Sud	GENERIC NAME					
Health	naloxone					
	nuioxone					
Effective Date: Dec 2011		OTHER NAMES	PAGE			
	CLASSIFICATION	Narcan				
Revised Date: Dec 2022	Narcotic antagonist		2 of 2			
Dosage (continued):						
<b>Reversal of pruritis:</b>						
IV Bolus:	0.02 or 0.04 mg over 2 to 3 minutes every 2 to 4 hours as needed					
Maximum Single Dose:	Bouersel of recriteriony depression, 0.4 mg					
Maximum Single Dose.	Reversal of respiratory depression: 0.4 mg Treatment of opioid overdose: may titrate up to 15 mg (when using protocol above)					
Maximum Daily Dose	Titrate to response (reversal of respiratory depression)					
Maximum Rate:	IV bolus: over 30 seconds					
Maximum Kate:						
	IV continuous: 3 mg/hour					
Maximum concentration:	IV bolus: 1 mg/mL					
STABILITY/COMPATIBILITY:						

Stability of Final Admixture: 24 hours at room temperature

**Compatibility:** Compatible with normal saline or D5W

#### **PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:**

Adverse reactions are related to reversing dependency and precipitating withdrawal. Withdrawal symptoms are the result of sympathetic excess. Adverse events occur secondarily to reversal (withdrawal) of opioid analgesia and sedation.

- May precipitate acute withdrawal symptoms in opioid dependent patients •
- Nausea and vomiting with large doses .
- Hypertension, pulmonary edema, arrhythmias (secondary to release of catecholamines with the return of pain)

### ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- In the absence of a narcotic agent the drug has no effects •
- Onset of action: Within 30 seconds to 2 minutes (IV). Duration of action: is variable and may be as short as 45 • minutes or as long as 3 to 4 hours, and is partially dependent on the amount, type and route of opioid being reversed.
- During continuous infusion, monitor:
  - Level of consciousness every hour
  - Respiratory rate every hour and notify physician if respiratory rate is less than or equal to 10 per minute during the infusion
  - Blood pressure and heart rate every hour while naloxone infusion to minimize risk of hypertension and tachycardia
  - Continuous oxygen saturation monitoring
- After discontinuation of an opioid, closely monitor for rebound narcotic overdose symptoms, taking in consideration the elimination time of the opioid. The duration of action of some opioids exceeds the duration of action of naloxone. This is especially important in opioids with a long half-life like methadone or with unknown opioid overdoses where there is a suspicion of ingestion of a high potency or long acting opioid.

Partial opioid agonist and mixed opioid agonist/antagonist overdose: i.e. buprenorphine, pentazocine Reversal may be incomplete and larger or repeat doses of naloxone may be required.