Sant	R	EGIONA	L ADULT PA	RENT	FERAL DRUG N	AONO	GRAPH
Southern Health		GENERIC NAME deferoxamine mesylate (acute iron toxicity)					
Effective Date: Dec 2011		CLASSIF	CATION		OTHER NAMES		PAGE
Revised Date: Dec 2022	Al Ir	ntidote for I on Chelating	ron Poisoning g Agent		Desferal Desferrioxamine		1 of 2
ADMINISTRATION	POLICY	CY: NOTE: For use in chronic overload, refer to deferoxamine chronic iron overload					
IV Infusion – May	be admini	stered by a nu	irse				
IV Intermittent - May b	be adminis	stered by a nu	rse				
IM Injection - May b	be adminis	stered by a nu	rse				
IV Bolus – Not r	ecommen [.]	ded					
RECONSTITUTION /	DILUTI	ON/ADMINI	STRATION:				
Available as:	-	500 mg vial ar	nd 2-gram vial				
Vial	Diluent		Diluent Volume	Fi	nal Concentration	Final	Volume
IV: 500 mg	SWFI*		5 mL	95	mg/mL	5.3 mI	_
IV: 2 grams	SWFI*		20 mL	95	mg/mL	21.1 m	ιL
IM: 500 mg	SWFI*		2 mL	21	3 mg/mL	2.3 mI	_
IM: 2 grams	SWFI*		8 mL	21	3 mg/mL	9.4 mI	
*SWFI = Sterile Water	for Inject	ion	Solution appears	slightly	yellow in colour		

IV intermittent:

Dose	Diluent Volume (usual)	Diluent Volume (range)
1000 mg or less	50 mL	25 to 100 mL
1001 mg or greater	100 mL	50 to 100 mL

IV Infusion: Pump Library:

Drug Libra	ary	Dose Rate	Short Name	Care Unit	
Yes		mg/kg/h	def6000	General & Critical Care	
Drug		Diluent	Final Volume (VTBI)	Final Concentration	
6000 mg (63 mL of	5000 mg (63 mL of 95 mg/mL)		163 mL	36.81 mg/mL	
Clinical Advisory:					
Soft Low Dose Limit:	15 mg/kg/h	Soft High Dose Lim	it: 15 mg/kg/h Defau	ılt 15 mg/kg/h	
DOSAGE: IV (preferred)/IM: IV infusion:	Initial 1 gram, 500 mg have b (maximum reco For the first 1 g hours at a rate r 12 grams for se	may be followed by 5 een given administere ommended dose: 6 gra gram, infuse ast 15 mg/ tot to exceed 125 mg/ vere iron poisoning fo	500 mg every 4 hours for 2 c ed every 4 to 12 hours based ams/day) t/kg/hour. Subsequent doses hour (6 grams for serum iron or serum iron more than 275	loses; subsequent doses of on clinical response may be given over 4 to 12 n 76 to 275 umol/L, umol/L)	
Maximum daily dose:		12 grams			
Maximum rate:		15 mg/kg/hour for	the first 1000 mg, subseque	nt doses 125 mg/hour	

Southern Sud Health Sud Classification GENERIC NAME Befective Date: Dec 2011 CLASSIFICATION OTHER NAMES Antidote for Iron Poisoning Desferal 2 of 2 Brevised Date: Dec 2022 Iron Chelating Agent Desferrioxamine
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STABILITY/COMPATIBILITY:
Stability of reconstituted colutions 2 hours at room temperature
Stability of Final Admixture: 24 hours at room temperature
Stability of Final Admixture. 24 hours at room temperature
Compatibility: Compatible with normal saline, D5W, Lactated Ringer
PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:
• Hypotension, tachycardia, flushing, urticaria (especially if given too rapidly), rash, anaphylaxis
Abdominal pain, diarrhea, nausea, vomiting
• Prior to and during deferoxamine therapy, ensure that the intravascular volume is not depleted. Volume
depletion during deferoxamine therapy has been associated with nephrotoxicity
ADDITIONAL NOTES AND NURSING CONSIDERATIONS:
Several vials may be required dependent on availability
Rusty orange urine discoloration
Obtain baseline vital signs and monitor at 15 minutes then as clinically indicated
Monitor intake and output
Duration of therapy:
• Obtain a fresh urine sample from urinary catheter (not urine reservoir bag) at completion of deferoxamine
infusion
• If urinary Fe/Cr ration is greater than 12.5, then an additional course of deferoxamine should be given 24 hours
after the initiation of the first course
• Repeat this process daily until the urinary Fe/Cr is less than 12.5
• Rates up to 40 to 50 mg/kg/hour have been given in patients with severe iron intoxication under direction of
NOTE: The serum iron concentration is not a valid monitoring parameter for the duration of deferovamine therapy