

Refludan Protocol

Standard Concentration for drip: 0.2mg/ml (May be as high as 0.4mg/ml)

Standard Concentration for bolus: 5mg/ml

Stable for 24 hours

Dosing: (Doses based on weight up to 110kg)

Initiation of drip:

No Renal Impairment: 0.4mg/kg bolus, then 0.15mg/kg/hr (0.75ml/kg/hr)

CrCl 45-60: 0.2mg/kg, then 0.075mg/kg/hr (0.375ml/kg/hr)

CrCl 30-44: 0.2mg/kg, then 0.045mg/kg/hr (0.225ml/kg/hr)

CrCl 15-29: 0.2mg/kg, then 0.0225mg/kg/hr (0.1125ml/kg/hr)

CrCl < 15: Avoid use

Drip rate adjustments

aPTT ratio (aPTT/midpoint of lab normal range) target is 1.5-2.5

For aPTT Normal range (24.7-36.5), Target Range: 45.9 to 76.5 seconds

aPTT should be checked every 4 hours until aPTT ratio 1.5-2.5

Once aPTT ratio is 1.5-2.5, monitor aPTT every 24 hours

If aPTT ratio < 1.5 (aPTT < 45.9 seconds), increase dose by 20%

If aPTT ratio > 2.5 (aPTT > 76.5 seconds), hold drip for 2 hours then resume drip at half the previous rate

Dosing Initiation Chart: (Conc: 0.2ml/ml for drip & 5mg/ml for bolus)

Patient Weight (kg)	Bolus for normal renal function (5mg/ml) (ml)	Rate for normal renal function (ml/hr)	Bolus for CrCl ≤ 60 (5mg/ml) (ml)	Rate for CrCl 45-60 (ml/hr)	Rate for CrCl 30-44 (ml/hr)	Rate for CrCl 15-29(ml/hr)	CrCl < 15 (Avoid Use)
45	3.6	33.8	1.8	16.9	10.1	5.1	
50	4.0	37.5	2.0	18.8	11.3	5.6	
55	4.4	41.3	2.2	20.6	12.4	6.2	
60	4.8	45.0	2.4	22.5	13.5	6.8	
65	5.2	48.8	2.6	24.4	14.6	7.3	
70	5.6	52.5	2.8	26.3	15.8	7.9	
75	6.0	56.3	3.0	28.1	16.9	8.4	
80	6.4	60.0	3.2	30.0	18.0	9.0	
85	6.8	63.8	3.4	31.9	19.1	9.6	
90	7.2	67.5	3.6	33.8	20.3	10.1	
95	7.6	71.3	3.8	35.6	21.4	10.7	
100	8.0	75.0	4.0	37.5	22.5	11.3	
105	8.4	78.8	4.2	39.4	23.6	11.8	
110	8.8	82.5	4.4	41.3	24.8	12.4	
115	Do not exceed the above doses. Dose based on weight up to 110kg.						

Adverse reactions: bleeding, anemia/drop in hemoglobin, hematoma, hematuria, epistaxis, abnormal LFT's, injection site reactions, multiorgan failure

This protocol hasn't been approved by any P&T committee and should be used for informational purposes only.