

SESLHD PROCEDURE

Anticoagulation with Intravenous Heparin Sodium Infusion

SESLHDPR/402

APPENDIX C - Acute Stroke Protocol

Protocol only to be used in consultation with the Attending Neurologist

IV Heparin Initiation Protocol Acute Stroke			ACUTE STROKE
Initial IV bolus dosage: Bolus RARELY required – seek advice of Attending Neurologist			
Infusion: <ul style="list-style-type: none"> Use premixed solution of Heparin Sodium 25,000 units in 250 mL Sodium Chloride 0.9% (100 units per mL) Initial infusion rate based on 15 units/kg/hr, rounded to nearest 0.1 mL/hour The <i>initial</i> infusion rate should not exceed 1,000 units/hr 			
WEIGHT (kg)	Units per Hour	INFUSION PUMP RATE (mL per hour) ↓	
40	600	6	
45	675	6.7	
50	750	7.5	
55	825	8.2	
60	900	9	
65	975	9.7	
70	1050	10	
Greater than 70	1050	10	

IV Heparin Adjustment Nomogram (adjust infusion rate according to the APTT)				ACUTE STROKE
APTT (seconds)	Stop Infusion	IV Rate Change (mL/hr)	Repeat APTT	
Less than 40	No	<ul style="list-style-type: none"> Increase rate by 1 mL/hr from current rate 	4-6 hours	
40 to 44.9	No	<ul style="list-style-type: none"> Increase rate by 0.5 mL/hr from current rate 	4-6 hours	
45 to 60	Therapeutic Range No change from current rate		<ul style="list-style-type: none"> Repeat at 6 hours. After 2 consecutive therapeutic APTTs, check in 24 hours. Daily APTT while results are within therapeutic range 	
60.1 to 65	No	<ul style="list-style-type: none"> Decrease rate by 0.5 mL/hr from current rate 	4-6 hours	
65.1 to 70	No	<ul style="list-style-type: none"> Decrease rate by 1 mL/hr from current rate 	4-6 hours	
70.1 to 80	No	<ul style="list-style-type: none"> Decrease rate by 2 mL/hr from current rate 	4-6 hours	
Greater than 80	<ul style="list-style-type: none"> Stop for 120 minutes MO review 	<ul style="list-style-type: none"> Restart infusion after 2 hours and reduce previous rate by 2 mL/hr 	6 hours after recommencing infusion	