

ALGORITHM FOR LITHIUM INTOXICATION

Lithium Intoxication?



Start IV 0.9%NaCl
Draw labs



WBI if indicated



Are there CNS, CVS, renal signs & symptoms?

? coma, convulsions, altered consciousness
 ?3° heart block, ventricular arrhythmias, ↓ BP, circulatory collapse
 ? ARF or ↑ SCr > 150 mmol/L after hydration
 Serum [Li] > 6.0 mmol/L



YES



Hemodialysis

Target [Li] < 1 mmol/L



Repeat [Li] 6 hrs post-dialysis



[Li] > 1.5 mmol/L, repeat dialysis



NO



Continue IV NS

Monitor serum lytes, [Li] q4h

Monitor CVS & neuro status q1h



Consider dialysis if...

CVS or neuro signs deteriorate

Renal function deteriorates

↑[Li] by 25% on 2 serial measurements

Acute ... [Li] > 4.0 mmol/L

Chronic ... [Li] > 2.5 mmol/L