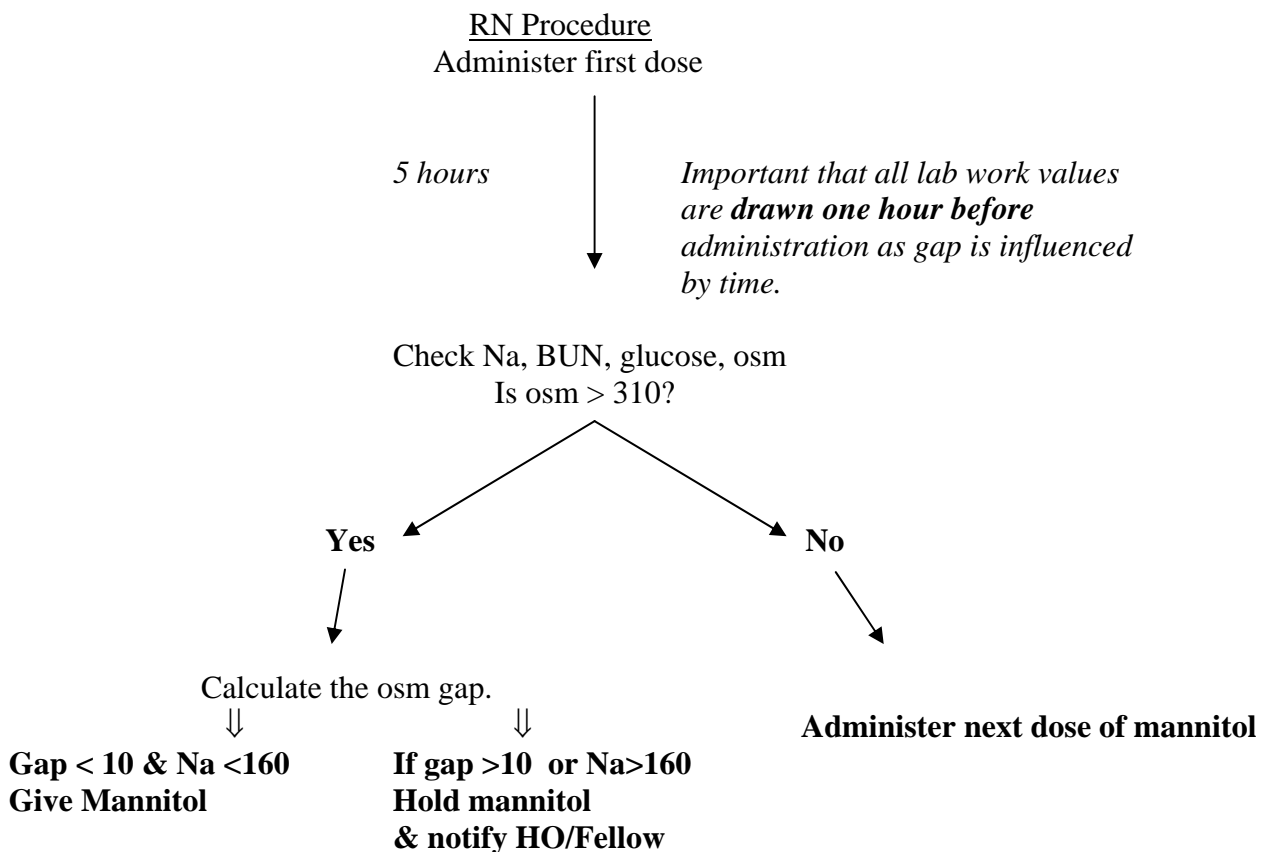


Massachusetts General Hospital
Neuro ICU Mannitol Guideline for Mannitol Rx of Increased ICP

• *MD order for patient with ICP monitoring: Mannitol 1g/kg q6 hours p.r.n. ICP \geq XX. Hold for Icp < 15mmhg. Hold for Na > 160 or (Osm > 310 and osm gap > 10) and call HO/fellow.*

• *MD order for patient without ICP monitoring: Mannitol 1g/kg. q6 hours. Hold for Na > 160 or (Osm > 310 and osm gap > 10) and call HO/fellow*

- *Check Na, BUN, Cr, glu, osm q6 hours.*
- **Must be drawn one hour prior to any mannitol dosing**



Important points:

- **Osm gap = measured osm - calculated osm.**
- **Calculated osm = $2(\text{Na}) + \text{BUN}/2.8 + \text{Glu}/18$**
- For patients who retain an osm gap > 10 or a Na > 160 call H.O. or fellow. If osm gap is less than zero problem with labs or calculation has occurred. Call M.D.
- **MD may order 23.4% saline or 3% NaCl.**

