

IV Complication

Infiltration	Extravasation
- the catheter breaks off in the veins or air gets into the vein	- blistering due to incorrect medication given or given incorrectly
- nursing action: warm compress to allow for vasoconstriction and not lead to more constriction	- nursing actions: cool compress for vasodilation

Nursing actions

- check IV site every hour
- only set maintenance fluid for 2 HOURS ONLY worth of volume to prevent overload
- always check IV site from either top down or down up (follow line either from bag to patient or patient to bag)

IV Bolus

- dehydrated pt need resuscitation
- most common is 20ml/kg and will be repeated until they aren't dehydrated (this is volume only)
- follow up with maintenance fluid calculation
- ~ usual fluids are D5 1/2 NS + 20 KCl
- rate for one hour is calculated by taking volume and multiplying by 1
- ~ V = 200ml
- 1 hour = 200ml x 1 | 30 min = 200ml x 2 | 20 min is by 3 | 15 min is 4 | 10 min is by 6
- Holliday-Segar : IV maintenance
- ~ 100 ml/kg for first 10 kg | 50 ml/kg for the next 20 (11-20 kg) | 20 ml/kg for the rest of the weight
- ~ ie 25kg = (10kg x 100 ml) + (10kg x 50ml) + (5 kg x 20 ml) = 1600 ml/day (24 hours)
- ~ for per hour 1600ml/24 = 66.7 ml/hour

Indications

- Maintenance fluid
- Bolus: if dehydrated or need to give a dose of medication
- Keep vein open is a rate in which the vein will remain open



By jaydevine_23

cheatography.com/jaydevine-23/

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