

Pediatric IV Push Quick ED Reference Table

Drug Name	Dose &/or Ranges	Administration	Compatibility	Precautions
Adenosine (adenocard)	First dose 0.05-0.1mg/kg Max 6mg repeat in 1-2 minutes at 0.2mg/kg IV Max 12mg	Rapid IVP over 1-2 seconds at proximal site	Stable in D5LR, D5W, LR, NS	Follow each bolus dose with rapid 5-10 ml NS flush
Amiodarone [SVT with pulses]	5mg/kg loading May repeat 2x Max dose 300mg	Infuse over 20-60 minutes	Stable in D5W, NS Incompatible with heparin	Max daily dose 15mg/kg (2.2g in adolescents)
Ativan (lorazepam)	0.05-0.1mg/kg may repeat in 5-10 minutes Max dose 4mg	Dilute 1:1 with NS don't exceed 2mg/minute IVP over 2-5 minutes	Stable in D5W, LR, NS	Monitor IV site Avoid extravasation
Atropine [symptomatic bradycardia]	0.02mg/kg minimum dose of 0.1mg Max single dose 0.5mg Max total dose for child 1mg Max total dose for adolescent 3mg	Undiluted rapid IVP May repeat dose once	NS	Max total dose: Children 1mg Adolescent 3mg
Benadryl (diphenhydramine)	Anaphylaxis 1-2mg/kg/dose Max 50mg Allergic reaction 10-50mg/dose	Undiluted $\leq$ 25mg/min	Stable in in NS, D5LR, LR, D5 $\frac{1}{4}$ NS, D5 $\frac{1}{2}$ NS, D5NS, D5W, D10W, $\frac{1}{2}$ NS, NS	Max 400mg/day; can precipitate seizures with rapid infusion
Compazine (prochlorperazine)	Antiemetic 9-13kg 2.5mg Max 7.5mg/day >13kg-18kg 2.5mg Max 10mg/day >18-39 kg 2.5mg Max 15mg/day	Slow IVP not to exceed 5mg/minute IV max of 5mg/min	Stable in D5W, D10W, D5LR, D5 $\frac{1}{2}$ NS, D5NS, $\frac{1}{2}$ NS, NS	IM preferred route, do not administer SQ

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Decadron (dexamethasone)	Anti-inflammatory 0.08-0.3mg/kg Cerebral edema 1-2mg/kg/dose Croup 0.6mg/kg One max 16mg	Undiluted over one minute	Stable in D5W & NS	
Dextrose 50%	Hypoglycemia infant<6 months 0.25-0.5g/kg/dose; Max 25g/dose >6months 0.5-1g/kg/dose; Max 25g/dose Adolescent refer to adult dose	Infants <6 months 1-2ml/kg/dose >6months 2- 4ml/kg/dose	Stable in NS, D5LR, LR, D5¼NS, D5 ½NS, D5NS, D5W, ½NS	Vesicant ensure proper IV placement; avoid extravasation
Dilaudid (hydromorphone)	0.015-0.01mg/kg/dose	Slow IVP over 2-3 mins.	Stable in D5LR, LR, D5W, D5NS, ½NS, NS	
Etomidate	>10 yrs. & adolescents 0.3mg/kg (range 0.3-0.6mg/kg) Max 20mg	IVP over 30-60 secs.	Heparin	Highly irritating avoid administering in small vessels.
Famotidine (pepcid)	0.25mg/kg Max 40mg day	IVP at rate ≤ 10mg/minute over 2 minutes	Stable in D5W, D10W, NS, sodium bicarbonate 5%	
Fentanyl	0.5-3mcg/kg/dose	IVP slowly over 1-2 minutes	Stable in D5W, & NS	
Flumazenil (ramazicon)	Over sedation: initial dose 0.01mg/kg Max 0.2mg, repeat max 4 doses. At 0.01mg/kg Max cumulative dose 1mg or 0.05mg/kg whichever is lower	Undiluted IVP over 15 seconds	Stable in D5W, LR, NS	

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Haldol [lactate solution] (haloperidol)	0.125mg/kg	Dilute in 10ml of N/S over 1-2 minutes	Stable in D5W variable stability in D5¼NS, LR, ½NS	Do not administer the deconate IV IV administration associated with prolonged QT and arrhythmias.
Ketamine [sedation]	1.5-2mg/kg Repeat dose 0.5-1mg/kg q5-15 minutes	Undiluted IVP slowly over 1-2 minutes	Stable in D5W, & NS	
Labetalol	0.2-1mg/kg/dose Max 40mg	Undiluted IVP over 2 minutes Max rate 10mg/minute	Stable in D5LR, D5W D5¼NS, D5NS, LR, NS	Incompatible in alkaline solutions; sodium bicarbonate
Lidocaine (xylocaine) [antiarrhythmic]	1mg/kg	Undiluted IVP follow with 5ml NS flush	Stable in D5LR, D5 ½NS D5W, D5NS, LR, ¼NS, NS	Repeat bolus if infusion initiated more than 15 minutes after initial bolus
Morphine	0.025-0.2mg/kg/dose	Undiluted or dilute IVP over 4-5minutes	Stable in D5LR, D5W D5¼NS, D5NS, D10W, LR, NS	Sedation warning
Narcan (naloxone)	Opioid OD <20kg 0.1mg/kg/dose	Undiluted IVP over 30 seconds repeat q2-3 minutes prn	Stable in D5W, NS	Do not mix with alkaline solutions; sodium bicarbonate
Phenergan (promethazine)	0.25-1mg/kg/dose	Dilute 20-50ml over 10- 15 minutes max 25mg/minute	Stable in D5W, D10W, D5LR, D5¼NS, D5NS LR, NS	IV use should be avoided
Reglan (metoclopramide)	<6years 0.1mg/kg single dose 6-14 years 2.5-5mg as a single dose >14 years adult dose Nausea & vomiting 0.1-0.5mg/kg/dose Max 10mg/dose	Dose <10mg administer undiluted at 5mg/minute over 1-2 minutes. Dose >10mg dilute in 50ml of NS administer over 15 minutes	Stable in D5 ½NS D5W, Mannitol 20%, LR, NS	Rapid administration associate with intense anxiety and restlessness and drowsiness.
Rocuronium First line paralytic	1mg/kg Max 100mg	Undiluted rapid IVP	Stable in D5W, D5NS, LR, NS	Support airway with advance measures

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Solumedrol (methylprednisolone)	Infants-children <12 years 1-2mg/kg/day Max 60mg/day	IVP over 3-15 minutes Max concentration 125mg/ml	Stable in D5 ½NS, D5NS, LR, NS	Only succinate salt may be given IV
Succinylcholine (anectine)	1-2mg/kg Max 150mg	Undiluted rapid IVP	Stable in D5LR, D5W, D5¼NS, D5½NS, D5NS, D10W, LR, ½NS, NS	Support airway with advance measures. Incompatible with alkaline solutions
Toradol (ketorolac)	0.5mg/kg as single dose Max 15mg/single dose	Undiluted over 15 seconds	Stable in D5W, D5NS, LR, NS	
Valium (diazepam)	0.04-0.3mg/kg/dose Max 0.6mg/kg within 8 hours Status Epilepticus 0.1-0.3mg/kg Max 10mg	Undiluted slow IVP not to exceed 5mg/minute, In status epilepticus administer over 2 minutes	Do not mix with other solutions. Variable stability with D5W, LR, NS	Vesicant ensure proper IV placement
Versed (midazolam)	0.05-0.1mg/kg Max 2mg	Undiluted over 1-2 minutes		Incompatible in LR
Zofran (ondansetron)	≤ 40kg 0.1mg/kg as single dose >40kg 4mg as single dose	Undiluted over 2-5 minutes	Stable in D5W, D5½NS, D5NS, Mannitol 10%, LR, NS	IV administration associated with prolonged QT