

Neonatal and Pediatric Drug Doses





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Antimicrobials

Drug	Conc.	Neonatal Dose	Pediatric Dose	
Acyclovir (Zovirax®)	Susp: 200 mg/5mL Vial: 250 mg/5mL 500 mg powder	Premature infants :I.V.: 20 mg/kg/dose every 12 hours for 14-21 days Full term I.V.: 20 mg/kg/dose every 8 hours for 14-21 days	20 mg/kg/dose every 8 hours for 14-21 days	
IV administration	250 mg/5 r 500 mg+10 Then take Therefore infusion by The soln is	nl \implies 1 mL + 9 ml NS \implies 1mL) mL sterile water for injection 1 mL + 9 mL NS \implies 1mL has 5 the dose will be 4 ml of the reco syringe pump over 1 hr. stable for 24 hr in room temp .	has 5mg 5mg nstituted soln./kg/dose IV DO NOT REFRIGERATE	
Amikacin (Amikin®)	100mg/2ml 250mg/2ml 500mg/2ml	Body weight ≤2kg: PNA ≤7 days: 15 mg/kg/dose every 48 hrs in neonates <1 kg, the dosing interval may be extended through the first 2 weeks of life PNA 8-28 days : 15 mg/kg/dose every 24 hrs Body weight >2 kg PNA ≤7 days: 15 mg/kg/dose every 24 hr PNA 8-28 days: 15 mg/kg/dose every 24 hr	15-22.5 mg/kg/day divided every 8hr	
IV administration	100 mg/2 mL \longrightarrow 1 mL + 9 mL NS \longrightarrow 1mL has 5mg 500 mg/2 mL \longrightarrow 1 mL + 4 mL NS Then take 1 mL + 9 mL NS \longrightarrow 1mL has 5mg Therefore the dose will be 3 ml of the reconstituted soln./kg/dose IV infusion over 30 min. The soln is stable for 24 hr at room temp and 48 hr in refrigerator			

Drug	Conc.	Ne	onatal D	ose	Pediatric Dose
Ampicillin/ sulbactam in a 2:1 ratio (Unasyn [®] , Unictam [®])	1.5g/vial	$\begin{array}{c c c c c c c } 25-50 \text{ mg/kg/dose} \\ \hline \textbf{Group B streptococcal} \\ \hline \textbf{infections:} \\ 150-200 \text{ mg/kg/day for} \\ 150-200 \text{ mg/kg/day for} \\ \hline \textbf{bacteremia} \\ 300-400 \text{ mg/kg/day for} \\ \hline \textbf{meningitis} \\ \hline \textbf{PMA & PNA & Interval} \\ \hline \textbf{(weeks)} & (\textbf{days)} & (hr) \\ \hline scale scale$		for for Interval (hr) 12 8 12 8 12 8 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12	Mild to moderate infection: 100-150 mg/kg/day divided every 6 hours Severe Infection: 200-400mg/kg/day divided every 6 hours
	1.5 g + 10	37-44 >7 8 ≥45 All 6 mL NS → 1 mL soln has 150 r			mg
administration	Therefore	if the dose stituted sol	e is 150mg n is stable	/kg/day, us for 4 hr in	se ½ mL/kg/dose refrigerator
Amoxicillin /clavulanate (Augmentin [®] , Deltaclav [®])	Susp: 62.5/1ml (50mg amoxicillin) 156mg/5ml (125mg amoxicillin) 312mg/5ml (250 mg amoxicillin) 457mg/5ml (400mg amoxicillin) Vial: 600mg 1200mg	30 mg (amoxicillin component) /kg/day divided every 12 hours			Infants 1-3 months: 30 mg (amoxicillin component) /kg/day divided every 12 hours Infants, Children >3 months: 20-40 mg (amoxicillin component) /kg/day in divided doses every 8 hours Acute otitis media: 80-90 mg /kg /day divided every 12hr for 10 days.
IV administration	600 mg + 1200 mg +	10 mL NS • 20 mL NS	→ 1 mL → 1 m	has 50 mg L has 50 m	amoxicillin component g amoxicillin component

Drug	Conc.	Neonatal Dose	Pediatric Dose
Azithromycin (Zithromax [®] , Zisrocin [®])	Susp. 200 mg /5mL	Treatment and prophylaxis of pertussis infections : 10 mg /kg/dose once daily for 5 days	Infants 1-5 months: 10 mg /kg once daily for 5 days. Children ≥6 months: <i>Three-day regimen:</i> 10 mg/kg (maximum dose: 500 mg/day) once daily for 3 days <i>Five-day regimen:</i> 10 mg/kg on (day 1) (maximum dose: 500 mg), followed by 5 mg/kg (maximum dose: 250 mg/day) once daily on days 2-5 Children ≥2years: 12mg/kg/day (maximum dose: 500 mg/day) once daily for 5 days
Cefipime (maxipeme [®])	1g/vial	PNA <14 days: 30 mg/kg/dose every 12 hours PNA ≥14 days: 50 mg/kg/dose every 12 hour	50 mg/kg/dose (maximum dose: 2 g) every 12 hours Febrile neutropenic patients: 50 mg/kg/dose (maximum dose: 2 g) every 8 hours for 7 days or until neutropenia resolves
IV administration	1 g + 10 mL Therefore i The soln is	NS → 1 mL has 100 mg f the dose is 100 mg/kg/day, stable for 24hr at room temp	use ½ mL/kg/dose IV and 7days in refrigerator

Drug	Conc.	Neonatal Dose	Pediatric Dose			
Cefoperazone (Cefobid [®] , Cefazone [®])	1g/vial	I.V 25-100mg/kg /day divided every 12hr				
IV	1 g + 10 mL	1 g + 10 mL NS 🗪 1 mL has 100 mg				
administration	Therefore if the dose is 100 mg/kg/day, use ½ mL/kg/dose					
auministration	The soln is s	The soln is stable for 24hr at room temp and 5days in refrigerator				
Cefotaxime (Claforan [®] , Cefotax [®])	500 mg/vial 1g /vial	0 -2 week: 100mg/kg/day divided every 12hr >2weeks: 50mg/kg/dose every 8hr	Mild to moderate infection <12 yr: 50-180mg/kg/day divided every 6-8 hr. Severe infection <12: 200mg/kg/day divided every 6-8 hr, up to 300mg/kg/day used in meningitis. max.12g/day			
	1 g + 10 mL NS - 1 mL has 100 mg					
	Therefore if the dose is 100 mg/kg/day, use ¹ / ₂ mL/kg/dose					
administration	The soln is stable for 24hr at room temp and 7days in refrigerator					
Ceftazidime (Fortum [®] , Cefzim [®])	1g/vial	100 mg/kg/day divided every 12 hours	100-150 mg/kg/day divided every 8 hours; Maximum dose: 6 g/day			
11/	1 g + 10 mL	NS - 1 mL has 100 mg				
administration	Therefore if the dose is 100 mg/kg/day, use 1/2 mL/kg/dose					
administration	The soln is stable for 12hr at room temp and 3days in refrigerator					
Ceftriaxone (Rocephin [®] , Cefaxone [®])	1g/vial50-75 mg/kg/day divided every 12-24 hours1g/vialMeningitis: 100mg/kg/day every 12-24 hrs for 7-14 days.					
	1 g + 10 mL NS - 1 mL has 100 mg					
IV	Therefore if	the dose is 50 mg/kg/day, us	se ½ mL/kg/day			
administration	The soln is s	stable for 48 hr at room temp	o and 10 days in			
	refrigerator					

Drug	Conc.	Neonatal Dose	Pediatric Dose			
Ciprofloxacin	200 mg/20mL	6-10 mg/kg twice daily	6-10 mg/kg every 8 hr			
IV	2 mL+ 9 mL NS - 1 mL has 2mg					
administration	Therefore th	e dose is 3-5 mL/kg/dose				
Clarithromycin (Klacid [®] , Klarimix [®])	Susp. 125mg/5mL 250mg/5mL	7.5 mg/kg twice daily	Child 1 month–12 years Body-weight under 8 kg 7.5 mg/kg twice daily Body-weight 8–11 kg 62.5 mg twice daily Body-weight 12–19 kg 125 mg twice daily Body-weight 20–29 kg 187.5 mg twice daily Body-weight 30–40 kg 250 mg twice daily Child 12–18 years 250 mg twice daily for 7 days, increase in severe infections to 500 mg every 12 hrs for up to 14 days			
Erythromycin (Erythrocin [®])	Susp. 200mg/5mL	10mg/kg/dose every 6 hr Treatment and prophylaxis of pertussis: 12.5mg/kg/dose orally every 6 hours for 14 days Treatment of feeding intolerability due to dysmotility: 10mg/kg/dose orally every 6 hrs for 2 days then 4mg/kg/dose every 6 hrs for 5 days	Child 1 month–2 years 125 mg 4 times daily; dose doubled in severe infections Child 2–8 years 250 mg 4 times daily; dose doubled in severe infections Child 8–18 years 250–500 mg 4 times daily; dose doubled in severe infections <i>Note</i> Total daily dose may be given in 2 divided doses.			

Drug	Conc.	I	Neona	tal Dos	е	Pediatric Dose
Fluconazole (Diflucan®)	Vial: 100mg/ 50mL Oral: 5mg/mL	Loading dose:12-25mg/kg Maintenance dose: <i>GA <29 week:</i> <i>PNA 0-14 days:</i> 6-12 mg /kg every 48 hr <i>PNA >14days:</i> 6-12 mg/ kg every 24 hr <i>GA 30 week and older:</i> <i>PNA 0-7 days:</i> 6-12mg/kg every 48 hr <i>PNA >14days:</i> 6-12 mg/ kg every 24 hr <i>PNA >14days:</i> 6-12 mg/ kg every 24 hr <i>Prophylaxis:</i> 3-6 mg/kg twice weekly Thrush: loading dose: 6mg/kg Maintenance dose: 3mg/kg q 24hrs			Loading dose: 6-12mg /kg/dose Maintenance dose: 3-12mg/kg/dose once daily Maximum daily dose: 600mg/day	
IV administration	2 mg/mL IV infusio Stable fo	may be on by syr or 7 days	given u inge pu at roo i	Indiluted Imp over m temp .	or diluted 30 min DO NOT	with equal volume of D5W
Gentamicin (Garamvcin [®] .	80mg/	PMA (weeks) ≤29	PNA (<i>days</i>) 0-7 8-28 ≥29	Dose (<i>mg/kg</i>) 5 4 5	Interval (<i>hr</i>) 48 36 24	3 months to <2 years: 9.5 mg/kg/dose every 24 hr 2 year to <8 years: 8.5 mg/kg/dose every 24 hr
Gentamicin [®])	2mL 30-34	0-7 ≥8	4.5 4	36 24	≥8 years:	
		≥35	All	4	24	hours
IV administration	1 mL + 9 Therefo the final min) mL NS re if the c vol. to 50	(4 mg/n dose is)mL and	nL) 4 mg/kg/ d give by	day, use IV infusio	1 mL/kg/dose and complete on with syringe pump over 30

Drug	Conc.	Neonatal Dose	Pediatric Dose		
Imipenem/ cilastatin (Tienam®)	500mg/vial	Body weight ≤2 kg: PNA ≤7 days: 20mg/kg/dose every 12 hrs PNA 8-28 days: 25mg/kg/dose every 12 hrs. Body weight >2kg PNA ≤7 days: 25 /kg/dose every 12 hr PNA 8-28 days: 25mg/kg/dose every 8 hr	100 mg/kg/day divided every 6 hours		
IV administration	500 mg + 10 m Then 1 mL + 9 Therefore if th over 30 min. S	nL NS (50 mg/1 mL) 9 mL NS > 1mL has 5 mg ne dose is 20 mg/kg/dose, use Stable for 4 hr at room temp . a	4 mL/kg/dose IV infusion and 24 hr in refrigerator		
Meropenem (Meronem®)	500mg/vial 1g /vial	Sepsis: IV. GA < 32 weeks: PNA 0-14 days: 20mg/kg/dose every 12 hrs. PNA > 14 days: 20mg/kg/dose every 8 hrs $GA \ge 32$ weeks: PNA 0-7 days: 20mg/kg/dose every 12 hrs PNA > 7 days: 20mg/kg/dose every 8 hrs Meningitis and infections caused by Pseudomonas species : 40mg/kg/dose every 8 hrs	 ≤ 50 kg: 20 mg/kg/dose every 8 hrs, not exceed 1g every 8hrs. >50 kg :1g/dose every 8hrs meningitis: ≤ 50 kg: 40 mg/kg/dose every 8 hrs, not exceed 2g every 8hrs. >50 kg :2g/dose every 8hrs 		
IV administration	500 mg + 10 mL NS (50 mg/1 mL) Then 1 mL + 9 mL NS → 1mL has 5 mg Therefore if the dose is 20 mg/kg/dose, use 4 mL/kg/dose IV infusion over 30 min. Stable for 2 hr at room temp. and 12 hr in refrigerator				

Drug	Conc.	Neo	onatal D	ose	Pediatric Dose
	Vial: 500mg/100mL	Loading Maintena mg/kg/do dosing in dose	dose: 15 ance dose se. Begin terval afte	mg/kg e: 7.5 one r loading	Anaerobic infections:
Metronidazole	Oral:	PMA	PNA	Interval	Oral, I.V.: 30 mg/kg/day in
(Flagyl [®])	Amrizole®	(weeks)	(days)	(hr)	divided doses every 6
	syp:	≤29	0-28	48	hours
	200mg/5mL eq.		>28	24	Maximum dose: 4 g/day
	to 125 mg	30-36	0-14 >14	12	
			0-7	24	
		37-44	>7	12	
		≥45	All	8	
IV administration	5 mg/mL, therefore the maintenance dose is 1.5 mL/kg/dose may be given undiluted or diluted with equal volume of D5W IV infusion by syringe pump over 60 min. DO NOT REFRIGERATE				s 1.5 mL/kg/dose may be of D5W IV infusion by GERATE
		Bacteren			
		Meningit	is: 15 mg	/kg/dose	40-60 mg/kg/day divided
		PMA	PNA	Interval	every 6-8 hours
Vancomycin		(weeks)	(days)	(hr)	Maximum daily dose:
(Vancocin [®] ,	500mg/vial	≤29	0-14	18	4000 mg/day
Vancomix [®])	500mg/viai		14	12	
		30-36	0-14	12	
			0-7	8 12	
		37-44	7	8	
		≥45	All	6	
	500 mg + 10 n	nL NS (50	mg/1 mL)		
IV	Then 1 mL + 9	9 mL NS —	→ 1mL h	as 5 mg	
administration	Therefore if th	ne dose is	15 mg/kg/	dose, use	3 mL/kg/dose IV infusion
	over 60 min. S	Stable for 1	hr at roo	m temp. a	and 4 days in refrigerator

Cardiovascular drugs

Drug	Conc.	Neonatal Dose	Pediatric Dose
Adrenaline	1mg/mL	Cardiopulmonary resuscitation (CPR) I.V.: 0.01-0.03 mg/kg every 3- 5 minutes as needed Endotracheal: 0.05-0.1 mg/kg every 3-5 minutes Continuous infusion: start at 0.1mcg/kg/min and adjust to desired response; to a maximum of 1mcg/kg/min Max. IV conc: 1mg/50 ml	Asthma, bronchodilation: 0.5 mL diluted with 3-5 mL of NS; administer with jet nebulizer over ~15 minutes every 3-4 hours as needed. A systole or pulseless arrest : <i>I.V., I.O.:</i> 0.01 mg/kg every 3-5 minutes until return of spontaneous circulation. Croup (laryngotracheobronchit is), airway edema: 0.05-0.1 mL/kg (maximum dose: 0.5 mL) diluted in 2 mL NS, may repeat dose every 20 minutes Hypersensitivity reactions: <i>I.M., SC:</i> 0.01 mg/kg (0.01 mL/kg/dose not to exceed 0.3-0.5 mg every 5-15 minutes
IV administration	1 mL + 9 m Therefore insulin syrir	L NS 1mL has 0.1 mg the CPR IV dose is 10-30 u nge	I nits/kg/dose with 100 units

Drug	Conc.	Neonatal Dose	Pediatric Dose		
		For Maintaining patency	of the ductus arteriosus		
		Initial dose: 0.05-0.1 mcg/kg/min by continuous IV infusion Titrate according to the infants response.			
Alprostadil	500mcg/1 mL	Maintenance dose: May be as low as 0.01 mc	g/kg/min		
(Prostaglandin E1)		Administration: -Dilute 150 micrograms/kg bodyweight to a final volume of 50 mL with Glucose 5% or Sodium Chloride 0.9%; -An intravenous infusion rate of 0.1 mL/hour provides a dose of 0.05 mc/kg/ minute			
IV administration	Dilute to a conc not more than 20 mcg/mL. Prepare fresh soln				
	every 24 hr.	24 hr. Extravasation may cause tissue sloughing & necrosis			
Amiodarone (Cordarone®)	Vial: 150 mg/ 3mL Oral: 200 mg	 IV Loading dose: 5 mg/kg IV infusion over 30-60 min., preferably in central vein. Maintenance infusion: 7-15 mcg/kg/min, begin at 7mcg/kg and titrate by monitoring effects. NB: Consider switching to oral therapy within 24-48 hrs. Oral Dose: 5-10 mg/kg/dose every 12 hrs 	IV Loading dose: 5–10 mg/kg over 20 min– 2 hours. Maintenance infusion: 300 mcg/kg/hour, increased according to response to max.1.5mg/kg/hour; do not exceed 1.2 g in 24 hours.		
IV administration	 -IV administration via central venous catheter recommended if repeated or continuous infusion required, as infusion via peripher veins may cause pain and inflammation. -For IV infusion, dilute to a concentration of not less than 600 mcg/mL with Glucose 5% & infuse over 30-60 min INCOMPATIBLE WITH SODIUM CHLORIDE INFUSION. 				

Drug	Conc.	Neonatal Dose	Pediatric Dose
Atropine	1mg/ml	Bradycardia: Note: Not part of neonatal resuscitation algorithm; some institutions have used the following: IV., I.M.: 0.01-0.03 mg/kg/dose; can be repeated every 10-15 minutes with maximum of 0.04mg /kg Endotracheal: 0.01 -0.03 mg/kg/dose; immediately follow by 1ml NS.	Bradycardia: I.V.,I.O.: 0.02mg/kg/dose; minimum dose recommended 0.1 mg; however, use of a minimum dosage of 0.1 mg in patients <5 kg will result in dosages >0.02 mg/kg and is not recommended. Maximum single dose: 0.5 mg; may repeat once in 3-5 minutes; Maximum total dose: 1 mg Endotracheal: 0.04-0.06 mg/kg/dose; may repeat once if needed
Captopril (Capoten [®])	25mg/tab	PO: Initial dose 0.01-0.05 mg/kg/dose every 8-12 hours; titrate dose up to 0.5 mg/kg/dose given every 6- 24 hours. Maximum dose: 2 mg/kg daily in divided doses Administer 1 hour before feeding.	Test dose: 100 mcg/kg (max. 6.25 mg), monitor blood pressure carefully for 1–2 hours; If tolerated: give 100–300 mcg/kg 2–3 times a day. Maximum dose: 6 mg/kg daily in divided doses (max. 4 mg/kg daily in divided doses for child 1month–1 yr)

Drug	Conc.	Neonatal Dose			ose	Pediatric Dose
		Total loading dose				Child 1 month-2 years:
		PMA		IV	PO	Initially 45 mcg/Kg in 3
		weeks	; ma	:g/Kg	mcg/Kg	divided doses for 24 hours
		≤29		15	20	then 10 mcg/kg daily in 1–2
		30-36		20	25	divided doses.
		37-48		30	40	Child 2–5 vears:
		≥49		40	50	Initially 35 mcg/kg in 3
		Divide in	to 3 dos	es over	24 hrs	divided doses for 24 hours
						then 10 mcg/kg daily in $1-2$
		Mainten	ance do	ose		divided doses
Digoxin	Amp:		IV	PO		
(Lanoxin [®] ,	0.5mg/1mL	PINA	mcg/	mcg/		Child 5–10 years:
Cardixin [®])	0.25 mg	WEEKS	Kg	Kg	1115	Initially 25 mcg/kg (max.
	0.20 mg	≤29	4	5	24	750 mcg) in 3 divided
		30-36	5	6	24	doses for 24 hours then 6
		37-48	4	5	12	mcg/kg daily(max. 250 mcg
		249 Titrate b	3 ased on	clinical		daily) in 1–2 divided doses
				omnour	response	Child 10–18 years:
						Initially 0.75–1.5 mg in 3
						divided doses for 24 hours
						then 62.5–250 mcg daily in
						1–2 divided doses (higher
						doses may be necessary)
IV	1 ml + 9 m		<u> </u>	nl hae	50 mcg	, , , , , , , , , , , , , , , , , , , ,
administration	llse diluter	t soln im	mediat	ie nas elv	SUTTEY	
auministration						
	250ma/					Continuous IV infusion:
Dobutamine	5ml	Contin	uous l'	V infu	sion:	2-25 mcg/kg/min ,titrate to
(Dobutrex [®])	OR	2-25 m	cg/kg/n	nin, titr	ate to	desired response,
(,	250/20mL	desired	respoi	nse.		Maximum dose:
						40 mcg/kg/min

Drug	Conc.	Neonatal Dose	Pediatric Dose			
		Continuous I.V. infusion: 1-20 mcg/kg/minute; titrate to desired response				
		dosdependent:				
Dopamine	200ma/5ml	Low dosage: 1-5 mcg/kg/minu flow and urine output	ute, increased renal blood			
	Dopamine 200mg/smi	Intermediate dosage: 5-15 m renal blood flow, heart rate, ca output, and blood pressure.	ncg/kg/minute, increased ardiac contractility, cardiac			
		High dosage: >15 mcg/kg/min., alpha-adrenergic effects begin to predominate, vasoconstriction, increased blood pressure				
Dopa	mine/Dobu	tamine dose by mL/50 mL syr	inge calculation:			
	<u> </u>	body wt.(Kg) x desired dose(m	<u>cg/kg/min)</u>			
	Desire	d fluid rate(mL/hr) x conc of the	amp.(mg/mL)			
Enoxaparin (Clexan [®])	100 mg/ As 20mg/0.2 40mg/0.4 60mg/0.4 80mg/0.8 100mg/1	Treatment of thrombotic episodes:mLFor Full term neonates: 1.7mg/kg/dose SC every 12 hrsPmL bmL omL mLFor Preterm neanates: 2mg/kg/dose SC every 12 hrsProphylaxis dose: 750 mcg/kg every 12 hrs	Treatment of thrombotic episodes:Child 1–2 months:1.5 mg/kg twice dailyChild 2 months–18 years:1 mg/kg twice dailyProphylaxis dose:Child 1–2 months:750 mcg/kg twice dailyChild 2 months–18 years:500 mcg/kg twice daily; max. 40 mg daily			

Drug	Conc.	Neonatal dose	Pediatric dose
Furosemide (Lasix [®])	Amp.: 40mg/4ml tab.: 40 mg	Initial dose: 1 mg/kg IV slow push, IM or orally, may increase to maximum of 2 mg/kg/dose IV or 6 mg/kg/dose orally Initial intervals: Premature infant: q24 hr Full-term infant: q12 hr Consider alternate-day therapy for long term use Continuous I.V. infusion: 0.2 mg/kg/hour, increase in 0.1 mg/kg/hour increments every 12-24 hours to a maximum infusion rate of 0.4 mg/kg/hr. Pulmonary edema: Inhalation: 1-2 mg/kg/dose diluted in 2 mL NS as a single dose.	Infants and Children: Oral: 2 mg/kg once daily; if ineffective, may increase in increments of 1-2 mg/kg/dose every 6-8 hours; not to exceed 6 mg/kg/dose. In most cases, it is not necessary to exceed individual doses of 4 mg/kg or a dosing frequency of once or twice daily I.M., I.V.: 1-2 mg/kg/dose every 6-12 hr Continuous infusion: 0.05 mg/kg/hour; titrate dosage to clinical effect.
IV administration	May be gi 1 mL+ 9m	ven diluted or undiluted. L N.S	
		Treatment of thrombosis: 75 units/kg bolus over	Treatment of thrombosis:
Heparin	5000 I.U/ 1 mL	10min.then 25 units/kg/hr continuous infusion. Measure APTT after 4 hrs and adjust the dose to achieve APTT of 60-85sec. Treatment should be limited to 10-14 days. Switching to LMWT heparins after 3-5 days is recommended	initially 75 units/kg by IV injection, then by continuous IV infusion 25 units/kg/hour, adjusted according to APTT. Child 1–18 years: Initially 75 units/kg by IV injection, then by continuous IV infusion 20 units/kg/hour, adjusted according to APTT.

Drug	Conc.	Neonat	al dose	Pediatr	ic dose	
Hydralazine	Amp.: 20mg/1mL Tab.: 50 mg	Slow IV dose: 0.1-0.5 mg/kg/dose every 6-8 hrs. Dose may be gradually increased as required for blood pressure control to a max. 2 mg/kg/dose every 6 hrs Oral dose: 0.25-1 mg/kg/dose every 6-8 hrs Administer with food to enhance absorption		Slow IV dose Child 1 month 0.1-0.5 mg/kg hours max.3 mg/kg c exceeding 60 m Child 12–18 y 5–10 mg repeat 6hr Oral dose: Child 1 month 0.25-0.5 mg/kg hours max. 7.5 (not exceeding Child 12–18 y 25 mg twice dat to usual max. 5	n–12 year: every 4–6 daily (not mg daily) ears: ated every 4– n–12 years: g every 8–12 5 mg/kg daily g 200 mg daily) ears: aily, increased 50–100 mg	
IV administration	0.5 mL+ 9	9.5 mL N.S → 1 mL has 1 mg				
Ibuprofen (Brufen [®] syrup)	100mg/ 5ml	Closure of PDA : <i>First dose:</i> 10mg/kg <i>Second and third:</i> 5mg/kg_at 24 hrs interval				
		PDA closure dose				
		Age at 1 st dose	1st	2nd	3rd	
		<48 hr	0.2	0.1	0.1	
Indomatheatic	E0mm cmm	2-7 days	0.2	0.2	0.2	
indomethacin	ouing amp	>7 days	0.2	0.25	0.25	
		0.1 mg/kg every 2	Preventio 24 hrs for 3 doses	on of IVH beginning at 6-12	hrs of age	

Drug	Conc.	Neonatal Dose	Pediatric Dose		
Milrinone (Primacor®)	10mg/10mL amp.	GA < 30 weeks : Ioading dose :135 mcg/kg infused over 3 hrs , immediately followed by Maintenance infusion : 0.2 mcg/kg/min GA≥30 weeks: Ioading dose: 75 mcg/kg infused over 1 hrs, immediately followed by Maintenance infusion: 0.5-0.75 mcg/kg/min adjust infusion rate on bases of hemodynamic and clinical response.	Child 1 month–18 years: initially 50–75 mcg/kg over 30–60 minutes (reduce or omit initial dose if at risk of hypotension) then 30– 45 mcg/kg/hour by continuous IV infusion for 2–3 days		
IV	Dilute with D5W or N.S				
administration	Maximum conc. per 1 mL is 200 mcg				
Sildenafil (Viagra®)	50 mg/tab	Full-term neonates: 0.5-3 mg/kg/dose every 6- 12 hours	Infants: Initial: 0.25 mg/kg/dose every 6 hours or 0.5 mg/kg/dose every 8 hours; titrate as needed; maximum reported dose range: 1-2 mg/kg/dose every 6-8 hours Children: 8-20 kg: 10 mg three times daily >20 kg to 45 kg: 20 mg three times daily >45 kg: 40 mg three times daily		

Drug	Conc.	Neonatal Dose	Pediatric Dose		
Sodium Nitroprusside	50mg/2mL vial	 Initial dose: 0.25-0.5 mcg/kg/min continuous IV infusion. Titrate the dose upward every 20 minutes until desired response is attained. Usual maintenance dose: Less than 2mcg/kg/min For hypertensive crises: May use up to 10 mcg/kg/min, but for no longer than 10 minutes 	Child 1 month–18 years: 0.5 mcg/kg/min. then increased in steps of 0.2 mcg/kg/min as necessary to max. 8 mcg/kg/min. (max. 4 mcg/kg/minute if used for longer than 24 hours		
	DO NOT A	DMINISTER DIRECTLY FRO	MVIAL		
IV	Dilute to a	final conc. Less than or equal	200 mcg/mL with D5W or		
administration	Use within 24 hr and protect from light with aluminum foil or any other opaque material				

CNS drugs

Drug	Conc.	Neonatal Dose	Pediatric Dose
Carbamazepine (Tegretol [®])	100 mg/ 5ml syp.	5mg/kg/day divided every 6- 8 hrs PO. Can be increased weekly to 10mg/kg/day. Maximum dose: 20mg/kg/day	< 6 years: <i>Initial:</i> 10-20mg/kg/day PO every 6 hr, may be increased to a maximum of 35mg/kg/day 6-12 years: <i>Initial:</i> 50mg PO every 6 hr,may be increased weekly by100mg/day <i>Maintenance:</i> 400-800 mg/day PO every 6-8 hr
Diazepam (Neuril [®] / Valium [®])	10 mg/ 2ml amp	Status epilepticus, febrile convulsions: 0.3-0.4 mg/kg repeated once after 10 minutes if necessary. By intravenous injection over 3–5 minutes	Status epilepticus, febrile convulsions: <i>Child 1 month–12 years:</i> 0.3-0.4 mg/kg (max.10 mg) repeated once after 10 minutes if necessary <i>Child 12–18 years:</i> 10 mg repeated once after 10 minutes if necessary
IV administration	1 mL+ 9	mL N.S 🛶 1 mL has 0.5 mg	

Drug	Conc.	Neonatal Dose	Pediatric Dose
Midazolam (Dormicum®)	5mg/ml	Sedation: <i>IV., IM.:</i> 0.05-0.15 mg/kg/dose over 5 minutes ,repeat as required usually every 2-4 hrs <i>Continuous IV</i> <i>infusion :</i> 0.01-0.06 mg/kg/hr Anticonvulsant: <i>Loading dose:</i> 0.15 mg/kg IV over at least 5 min. Maintenance infusion dose: 0.06-0.4 mg/kg/hr	Sedation: <i>IM:</i> 0.1-0.15mg/kg up to 0.5 mg/kg used, not exceed 10 mg <i>IV:</i> <6 months: 0.05mg/kg over 2-3 min., titrate dose with small increments to desired effect. 6 months to 5 years: 0.05-0.1 mg/kg, titrate carefully up to 0.6mg/kg, not exceed 6mg total dose. 6-12 years: 0.025-0.05 mg/kg, titrate carefully up to 0.4mg/kg may be required, not exceed 10mg total dose. Status epilepticus: loading dose: 0.2-0.5 mg/kg continuous IV infusion: 0.06 -0.12mg/kg/hr, increase rate every 15 min by 0.06-0.12 till seizure ceases.
IV administration	1 mL+ 9 Give ove been rep	mL N.S	i mg hypotension and seizures have re infants.

Drug	Conc.	Neonatal Dose	Pediatric Dose
Paracetamol (Perfalgan [®] vial, Paramol syp)	Vial: 1 g/100 mL 250 mg/5 mL & 250 mg/5 mL	I.V.: Loading dose: 20 mg/kg/dose Maintenance dose : <i>PMA 28-32 weeks:</i> 10 mg/kg/dose every 12 hours; <i>max daily dose</i> : 22.5 mg/kg/day <i>PMA 33-36 weeks:</i> 10 mg/kg/dose every 8 hours; <i>max daily dose</i> : 40 mg/kg/day <i>PMA ≥37 weeks:</i> 10 mg/kg/dose every 6 hours; <i>max daily dose</i> : 40 mg/kg/day <i>Oral:</i> <i>GA 28-32 weeks</i> : 10-12 mg/kg/dose every 8 hours; maximum daily dose: 40 mg/kg/day <i>GA 33-37 weeks <10 days:</i> 10-15 mg/kg/dose every 6 hours; maximum daily dose: 60 mg/kg/day <i>Term neonates ≥10 days:</i> 12-15 mg/kg/dose every 6 hours; maximum daily dose: 90 mg/kg/day	I.V.: < 2 years: 7.5-15 mg/kg/dose every 6 hours; Maximum daily dose: 60 mg/kg/day Children 2-12 years: 15 mg/kg every 6 hours or 12.5 mg/kg every 4 hours; maximum single dose: 15 mg/kg; maximum daily dose: 75 mg/kg/day Oral: 10-15 mg/kg/dose every 4-6 hours as needed; do not exceed 6 doses in 24 hours
administration	Use with	in 1 hour of dilution.	

Drug	Conc.	Neonatal Dose	Pediatric Dose		
Phenobarbital (Sominalleta [®])	Amp: 40 mg /ml Oral elixir: 15mg/5 ml	Loading dose (optional): I.V.: 16-20 mg/kg in a single dose; maintenance dose 12- 24 hours after loading dose Oral: 16 mg/kg divided into 2 doses and administered every 4-6 hours. Maintenance dose 12-24 hours after loading dose Maintenance dose: Oral, I.V.: Initial: 5-8 mg/kg/day divided every 12hours. After patient is stabilized, decrease Phenobarbital dose by 20% every other day.	Loading dose: <i>I.V Initial:</i> 15-20 mg/kg (maximum: 1000 mg/dose); may repeat dose after 15 minutes as needed (maximum total dose: 40 mg/kg) <i>Maintenance dose:</i> usually starts 12 hours after loading dose <i>Infants:</i> 5-6 mg/kg/day in 1- 2 divided doses 1-5 years: 6-8 mg/kg/day in 1-2 divided doses 5-12 years: 4-6 mg/kg/day in 1-2 divided dose.		
IV administration	1 mL+ 3	1 mL+ 3 mL NS - 1 mL has 10 mg			
Phenytoin (Ipanutin [®])	Amp.: 250mg/ 5ml Oral susp.: 30mg/ 5ml	Loading dose: <i>I.V., oral:</i> 15-20 mg/kg in a single or div maintenance therapy usually Maintenance dose: <i>I.V., Oral:</i> Initial: 5-8 mg/kg/day in 2 divid	ided dose; then begin 12 hours after dose. ded doses		
IV administration	1 mL+ 9 mL NS → 1 mL has 5 mg Give over at least 30 min to avoid extravasation, bradycardia, arrhythmias and hypotension. DO NOT USE CENTRAL LINE DO NOT REFRIGERATE TO AVOID PRECIPITATION				

Drug	Conc.	Neonatal Dose	Pediatric Dose
Valproate Sodium (Depakine®)	Drops: 200 mg/ ml Syrup: 250mg/5 ml	Valproic acid and derivatives-are associated with hepatotoxicity, so not preferred agents for use in neonates.	Initial dose: 10-15 mg/kg/day in 1-3 divided doses; increase by 5-10 mg/kg/day at weekly intervals until seizures are controlled or side effects preclude. If doses >250 mg/day give in divided doses Maintenance dose: 30-60 mg/kg/day in 2-3 divided doses can be given twice daily
			<i>Note:</i> Children receiving more than 1 anticonvulsant (polytherapy) may require doses up to 100 mg/kg/day in 3-4 divided doses.

GIT drugs

Drug	Conc.	Neonatal Dose	Pediatric Dose
Domperidone (Motillium [®])	1mg/ml Susp	Gastro-oesophageal reflux disease, gastro-intestinal stasis(Off label use) <i>By mouth</i> 0.1-0.3 mg/kg 4–6 times daily before feeds	For nausea and vomiting: Child over 1 month and body- weight up to 35 kg 0.25-0.5 mg/kg 3–4 times daily Max. 2.4 mg/kg in 24 hours Body-weight 35 kg and over 10–20 mg 3–4 times daily Max. 80 mg daily Gastro-oesophageal reflux disease, gastro-intestinal stasis: Child 1 month–12 years 0.2-0.4 mg/kg (max. 20 mg) 3–4 times daily before food Child 12–18 years 10–20 mg, 3–4 times daily before food
Metoclopramide (Primperan®)	Syrup: 5 mg/ 5 ml Amp: 10 mg/ 2 mL Supp: 10 mg Drops: 2.5 mg/ 1 mL (0.15 mg/drop)	0.033-0.1 mg/kg/dose orally or slow IV push every 8 hrs	Child 1 month–1 year and body- weight up to 10 kg: 0.1 mg/kg twice daily(max. 1 mg) Child 1–3 years and body-weight 10–14 kg: 1 mg 2–3 times daily Child 3–5 years and body-weight 15–19 kg: 2 mg 2–3 times daily Child 5–9 years and body-weight 20–29 kg: 2.5 mg 3 times daily Child 9–18 years and body- weight 30–60 kg: 5 mg 3 times daily Child 15–18 years and body- weight over 60 kg: 10 mg 3 times daily

Drug	Conc.	Neonatal Dose	Pediatric Dose
Omperazole (Losec [®] , Risek [®])	40 mg vial	0.5-1.5 mg/kg/dose once daily. Some neonates may require up to 2.8 mg/kg once daily	Child 1 month–12 years: Initially 0.5 mg/kg (max.20 mg) once daily, increased to 2 mg/kg (max. 40 mg) once daily if necessary Child 12–18 years: 40 mg once daily
IV	40 mg+ 10 m	LNS →1 mL has 4 mg	
administration	Therefore if	the dose is 2 mg/kg/day, use	3 ½ mL/kg/dose then
	complete the	e total volume to 10 mL with I	NS and give over 30 min.
Ondansetron (Zofran [®] , Danset [®])	2mg/ml amp	Safety and efficacy not established in infants < 6 month	Children 6 month-12 years <40 kg: 0.1-0.15mg/kg/dose every 6-8 hrs Children >40 kg: 4 mg/dose every 6-8 hrs
Ranitidine (zantac [®])	50 mg /2ml amp	Term: 1.5 mg/kg/dose every 8 hours Preterm: 0.5 mg/kg/dose every 12 hours	Child 1 month–18 years 1 mg/kg (max. 50 mg) every 6–8 hours
IV	1 mL+9 mL	→ 1 mL has 2.5 mg	
administration	The diluted s	soln may be given orally.	
	The diluted s	soln is stable for 48 hr. at roo	m temp.
Simethicone	Drops: 20 mg/1mL Emulsion: 100 mg/5 mL	 2.5mL with or after each feed (max. 6 doses in 24 hours); may be added to bottle feed 	

Respiratory drugs

Drug	Conc.	Neonatal Dose	Pediatric Dose
Albuterol Salbutamol (Farcolin [®])	0.5 mg/mL	Nebulization: 1.25-2.5mg/dose Diluted to 2-4 ml with normal saline	Nebulization: 0.15mg/kg every 20 minutes for 3 doses then 0.3mg/kg (not exceed 10mg) every 1-4 hrs
Aminonhylline	125 mg/5ml	Loading Dose: 8 mg/kg IV infusion over 30 r Maintenance Dose: 1.5-3mg/kg/dose every 8-12 after LD)	min. hrs (to be given 8-12 hr
Aminophylline	Amp.	Neonatal apnoea: Initially 6 mg/kg, then 2.5 mg/kg every 12 hours (increased if necessary to 3.5 mg/kg every 12 hours)	
IV administration	1 mL of the	1 mL of the 125 mg/5 mL amp+ 4 mL N.S —> 1 mL has 5 mg	
Budesonide (Pulmicort [®])	0.5 mg/2 ml 0.25 mg twice daily or 0.5 mg once daily; Maximum dose: 1 mg/day		
Caffeine citrate (caffienosprine [®])	20 mg/ml	Loading Dose: 20-25 mg/kg IV over 30 min. Maintenance Dose: 5-10mg/kg/day ,24 hrs after LD	
IV administration	1 mL+ 4 mL N.S - 1 mL has 5 mg		
Dexamethazone (Decadron [®])	8mg/2ml	8mg/2ml 0.25-0.5 mg/kg/dose every12 hr	
IV administration	1 mL+ 3 mLN.S - 1 mL has 1 mg		

Drug	Conc.	Neonatal Dose	Pediatric Dose
Hydrocortisone (Solu-cortef [®])	100mg/2ml	Loading Dose: 4 to 8 mg/kg; maximum: 25 r Maintenance Dose: 1- 2 mg/kg/dose every 6 hou	ng rs.
IV administration	1 mL+9 mL N	I.S ➡➡ 1 mL has 5 mg	
lpratropium (Atrovent [®])	500mcg/2ml	Nebulization: 75- 175 mcg 3-4 times/day	Infants: Nebulization: 125-250 mcg 3 times/day Children: Nebulization: 250-500 mcg (0.25-0.5 mg) every 20 minutes for 3 doses, then as needed.
Survanta		4 mL/kg/dose intratracheally divided into 4 aliquotes Prophylaxis: First dose is given as soon as possible after birth, with up to three additional doses in the first 48 hours of life if indicated. Rescue treatment of RDS: Up to 4 doses in first 48 hours, no more frequently than every 6 hours	

Miscellaneous drugs

Drug	Conc.	Neonatal Dose	Pediatric Dose	
Albumin20%	10g/50ml	0.5-1 g/kg/day Maximum dose: 6 mg/kg/day	ý	
IV	Each mL h	as 200 mg therefore the dose	is 2.5-5 mL/kg/day	
administration	May be giv	May be given undiluted or diluted with D5W		
Aminoven	10 g/ 100 mL	Start with 0.5 g/kg/day and tit	trate up to 2.5 g/kg/day	
IV administration	Each mL h	as 100 mg therefore the dose	is 5-25 mL/kg/day	
Glucagon	1mg/vial 1g/vial	200 mcg/kg/dose IV push, IM, SC. <i>Maximum dose:</i> 1 mg <i>Continuous infusion:</i> Begin with 10-20 mcg/kg/hr (0.5-1mg/day) Rise in blood glucose should occur within 1 hr of starting infusion		
Insulin regular	100 I.U/ 1mL	 Hyperglycemia: Continuous IV infusion: 0.01-0.1 unit/kg/hr Intermittent dose: 0.1-0.2 unit/kg every 6-12 hours SC Hyperkalemia: Initial: 0.1-0.2 units/kg/hr in combination with 0.5 g/kg/hr dextrose, given as continuous IV infusion Adjust insulin and dextrose dosages based on serum glucose and potassium concentrations. 		
IV Immune Globulin	2500mg/ 50mL	Iso-immune hemolytic disease: I.V.: GA ≥35 weeks: 500-1000 mg/kg/dose once over 2 hrs; if needed, dose may be repeated in 12 hrs; most effective when administered as soon as possible after diagnosis		
IV administration	Each mL has 50 mg therefore the dose is 10-20 mL/kg/dose			

Drug	Conc.	Neonatal Dose	Pediatric Dose
Silymarin	50mg/	5-10 mg/kg body weight daily in 2-3 divided doses. (1ml/kg/day)	
	Silli Syp		
Ursodeoxycolic acid (Ursogall [®])	158mg/	Gallstone , Billary atresia: 10-15mg/kg/day	
	5ml	Cystic fibrosis	
		30 mg/kg/day in 3 divided do	DSes

Minerals and Vitamins

Drug	Conc.	Neonatal Dose	Pediatric Dose
Calcium	Amp.: Ca. gluconate10% 1000 mg/10 ml equivalent to 93 mg elemental calcium Syrup: Ca.Glubionate Hical [®] :1.2 g/5mL eq.to 78 mg elemental Ca. Hical Forte [®] : 1.8 q/5ml_eq_to 115	Calcium Supplementation 0-6 months old: 210 mg/day PO divided q8 after meals 7-12 months old: 270 mg/day PO divided q8 after meals 1-3 years old: 500 mg/day PO divided q8 after meals 4-8 years old: 800 mg/day PO divided q8 after meals 9-18 years old: 1.3 g/day PO divided q8-1 after meals	2 3-12hr, preferably 1-2 hrs 3-12hr, preferably 1-2 hrs 3-12hr, preferably 1-2 hrs 3-12hr, preferably 1-2 hrs 2hr, preferably 1-2 hrs
		Hypocalcemic tetany: 100-200 mg/kg IV over 10 may be repeated after 6 h infusion not to exceed 500	minutes(<mark>1-2 mL/kg</mark>); rs, or initiate continuous) mg/kg/day
	mg elemental Ca	Severe hypocalcemia:	
		V: 200-800 mg/kg/day (2-8 ml/kg/day) IV as continuous infusion or in 4 divided doses. Oral: 20-80 mg/kg/day elemental Ca in divided doses	Severe hypocalcemia: IV: 200-500 mg/kg/day (2-5 mL/kg/day) as a continuous infusion or in 4 divided doses.
IV	Dilute with equal	volume of D5W and give by	/ IV infusion over 10-30
administration	minutes while monitoring for bradycardia. Stop infusion if HR<100 bpm		

Drug	Conc.	Neonatal Dose	Pediatric Dose
Folic acid	400 mcg/tab 500 mcg/tab 800 mcg/tab	Oral: Premature neonates: 25-50 mcg/kg/day Full-term neonates: 65 mcg/kg/day	Treatment of Anemia due to folic acid deficiency: Oral: Infants: 0.1 mg/day Children <4 years: Up to 0.3 mg/day Children >4 years and Adolescents: 0.4 mg/day
Iron	Hydroferrin [®] drops: 50mg/1ml (1.67 mg elemental iron/1 drop) K G rone [®] syp: Ferrous SO4 75mg/5ml (15mg elemental iron/5ml) Haemojet [®] syp: 50 mg/5ml elemental iron	Premature neonates: Treatment and prevention of iron deficiency: 2-4 mg elemental iron/kg/day divided every 12-24 hours (maximum dose: 15 mg/day) . Term neonates: Treatment, severe iron deficiency anemia: 4-6 mg elemental iron/kg/day in 3 divided doses Treatment, mild to moderate iron deficiency anemia: 3 mg elemental iron/kg/day in 1-2 divided doses Prophylaxis, iron deficiency anemia: 1-2 mg elemental iron/kg/day (maximum dose: 15 mg /day).	Treatment, severe iron deficiency anemia: 4-6 mg elemental iron/kg/day in 3 divided doses Treatment, mild to moderate iron deficiency anemia: 3 mg elemental iron/kg/day in 1-2 divided doses Prophylaxis, iron deficiency anemia: 1-2 mg elemental iron/kg/day (maximum dose: 15 mg elemental iron/day).

Drug	Conc.	Neonatal Dose	Pediatric Dose
L-carnitine	300 mg/ml	Oral: Initial: 50 mg/kg/day in divided doses every 3-4 hours; titrate slowly as needed to 50-100 mg/kg/day in divided doses	Oral: Initial: 50 mg/kg/day in divided doses; may titrate slowly as needed to 100 mg/kg/day in divided doses; Maximum daily dose: 3000 mg/day
Magnesium Sulphate 10%	2.5 g/25ml 1 g of magnesium sulfate = 98.6 mg elemental magnesium	Hypomagnesaemia:IV:0.2-0.4mEq/kg/ doseevery 8-12 hours, for 2-3doses (equal to 25-50mg /kg/dose) infuse over30- 60 minutes.Daily maintenance Mg:IV:0.25-0.5 mEq/kg/dayadded to parentral fluidsPersistent pulmonaryhypertension:Loading dose:200 mg/kg was infusedover 30 minutesMaintenance dose:20 to 50 mg/kg/hResuscitation(Pulseless Torsades)25-50 mg/kgIV/intraosseous rapidinfusion.	Hypomagnesaemia: <i>I.M., I.V.:</i> 25-50 mg/kg/dose (equal to 0.2-0.4 mEq/kg/dose) every 4-6 hrs for 3-4 doses; maximum single dose: 2 g(equal to 16 mEq) Daily maintenance Mg: ≤45 kg: 0.25-0.5 mEq/kg/day Management of seizure and hypertension: <i>I.M., I.V.:</i> 20-100 mg/kg/dose every 4-6 hrs as needed; in severe cases, doses as high as 200 mg/kg/dose have been used
IV	Each mL has 10	0 mg	
administration	Must be diluted prior to IV administration.		

Drug	Conc.	Neonatal Dose	Pediatric Dose
		Prevention of hypokalemia 1-2 mEq/kg/day in 1-2 divide	during diuretic therapy: d doses.
Potassium Chloride	Amp: 10mEq/5ml Potassium-m Syrup: 165mg/5ml 1mEq = 75 mg	Treatment of hypokalemia: Oral: 2-5 mEq/kg/day in divid 1-2 mEq/kg as a single dose ongoing losses are great, I.V route of administration Intermittent I.V. infusion: 0.5-1 mEq/kg/dose, infuse at (maximum dose/rate: 1 mEq/ then repeat as needed based lab values; severe depletion or ongoing >200% of normal daily limit m	ded doses; not to exceed ; if deficits are severe or . route is the preferred : 0.3-0.5 mEq/kg/hour /kg/hour); d on frequently obtained losses may require
IV	Each mL has 2	meq	
administration	Must be dilute	d prior to administration	
	2.1 g/25ml 8.4 % (1 mEq/mL)	Metabolic acidosis: HCO3 ⁻ (mEq) = 0.3 x weight (Administer half the calculated need for the reminder	(kg) x base deficit (mEq/L) d dose then asses the
Sodium Bicarbonate		Usual dosage: 1-2 mEq/kg/dose (1-2 ml/kg/does) over at least 30 minutes	2-5 mEq/kg I.V. infusion over 4-8 hours; subsequent doses
		Cardiac arrest : 1-2 mEq/kg IV slow push over 2 minutes may be repeated after 10 minutes	should be based on patient's acid-base status
IV administration	Dilute with equal volume of NS or D5W May be given orally		

Drug	Conc.	Neonatal Dose	Pediatric Dose
		Nutritional Supplementation: <i>RDA</i> 0-12 months: 400 IU (10 mcg) 1-18 years: 600 IU (15 mcg) Po	PO once daily O once daily
Vitamin D (Vidrop [®])	2800 IU/mL 100 IU/drop	Vitamin D-Resistant Rickets 12,000-500,000 IU (0.3-12.5 m Or 5000-10,000 IU is given daily fo	ng) PO once or 2-3 months
		Familial Hypophosphatemia 40,000-80,000 IU (1-2 mg) PO phosphate supplements; may b of growth is complete	once daily with be reduced after stage
Decal B12	Each 5 ml contain: Ca Laevulinate 50 mg Vit. D3 1000 I.U Vit. B12 10mcg	Infants: 1\4 - 1\2 teaspoonful. Children: 1\2 – 1 teaspoonful.	
Vitamin k (Amri-k)	10mg/ml amp.	Prophylaxis from hemorrhagic disease of newborn: I.M: Administer within 1 hr of birth preterm infants GA <32 weeks: Birth weight <1000 g: 0.3mg/kg once Birth weight ≥1000 g: 0.5mg once Term neonate: 0.5-1 mg once Treatment: SC,I.M: 1-2 mg/day up to10 mg in severe hemorrhagic disease	S.C, I.M: 1-2 mg/dose as a single dose

Abbreviations

Abb.	Term	Definition
ΑΡΤΤ	Activated Partial Thromboplastin Time	It is a performance indicator of the efficacy of both the "intrinsic" and the common coagulation pathways
GA	Gestational Age	Time elapsed between the first day of the last menstrual period and the day of delivery. It is expressed as completed weeks
ю	Intraosseous	Injecting directly into the marrow of a bone to provide a non collapsible entry point into the systemic venous system
IV	Intravenous	Injecting directly into a vein
IVH	Intraventricular Hemorrhage	Bleeding into the brain's ventricular system
PDA	Patent Ductus Arteriosus	Congenital disorder in the heart, where the neonate's ductus arteriosus fails to close after birth.
РМА	Postmenstrual Age	GA+ PNA
PNA	Postnatal Age	Time elapsed after birth
РО	Peroral	Administered through the mouth
RDA	Recommended Dietary Allowance	The daily intake level of a nutrient that is considered to be sufficient to meet the requirements of 97-98% of healthy individuals
RDS	Respiratory Distress Syndrome	A syndrome caused by developmental insufficiency of surfactant production and structural immaturity in the lungs
SC	Subcutaneous	Administered in the subcutis, the layer of the skin directly below the dermis and epidermis



References:

Neofax 2011 BNF for children 2011-2012 Neonatal Care Protocol for Hospital Physicians March 2010