Neonatal Drug Guidelines
UCSF Benioff Children's Hospital
2016 – 2018

Antibacterials/Antifungals/Antivirals:

Drug		Dose		Interval	Mode
Acyclovir		20 mg/kg/dose		q 8 hours	IV
Amphotericin	Conventional (Fungizone®)	1 mg/kg/dose		q 24 hours	IV
	Liposomal (Ambisome®)	5 mg/kg/dose		q 24 hours	IV
Ampicillin	Meningitis	100 mg/kg/dose		see Interval A	IV
	Non-meningitis	50 mg/kg/dose		see Interval A	IV
Azithromycin	(pertussis)	10 mg/kg/dose		q 24 hours x 5 days	IV/PO
Cefazolin		25 mg/kg/dose		see Interval B	IV
Cefepime		50 mg/kg/dose		q 12 hours	IV
			Meningitis	q 8 hours	IV
Cefotaxime		50 mg/kg/dose		see Interval A	IV
			Meningitis	see Interval C	IV
Ceftriaxone		Not recommended ≤44 weeks corrected Gestational Age			
Ceftazidime		50 mg/kg/dose		see Interval B	IV
Clindamycin		see Column E		q 8 hours	IV
Fluconazole	Treatment	LOAD 25 mg/kg x1, then 12 mg/kg/dose		q 24 hours	IV/PO
	Prophylaxis	6 mg/kg/dose:			
		≤ 29 wks corr. GA & ≤ 28 d PNA: q 72 hours			IV/PO
		> 29 wks corr. GA or > 28 d PNA: q 48 hours			
Gentamicin and Tobramycin		see chart at bottom for dosing and interval			IV
Meropenem	20 mg/kg/dose	(40 mg/kg/dose for meningitis/pseudomonas)			
		< 32 weeks GA & < 14 days PNA		q 12 hours	IV
		> 32 weeks GA or ≥ 14 days PNA		q 8 hours	IV
Metronidazole		≤ 33 weeks corr. GA:	7.5 mg/kg/dose	q 12 hours	
LOAD 15 mg/kg x1,		34-40 weeks corr. GA:	7.5 mg/kg/dose	q 8 hours	IV
followed 8-12 hours later by:		≥ 41 weeks corr. GA:	10 mg/kg/dose	q 8 hours	
Nafcillin		50 mg/kg/dose		see Interval A	IV
PenicillinG (aq)	congenital syphilis:	50,000 units/kg/dose		q12h x 7 days, then q8h to complete 10 days	IV
Piperacillin/tazobactam		Sepsis: 80 mg piperacillin/kg/dose		see Interval C	IV
		Pseudomonas: 100 mg piperacillin/kg/dose			
TMP/SMX (Bactrim/Septra)		Not recommended ≤44 weeks corrected Gestational Age			
Vancomycin		15 mg/kg/dose		see Interval D	IV

Corrected Gestational age (weeks)	Postnatal age (days)	Interval A	Interval B	Interval C	Interval D	Column E
≤ 29	0 – 28	q 12°	q 12°	q 12°	q 12°	4 mg/kg/dose
	> 28	q 8 °	q 8 °	q 8°	q 12°	
30 – 36	0 – 14	q 12°	q 12°	q 8°	q 12°	6 mg/kg/dose
	> 14	q 8°	q 8°	q 6°	q 8°	
37 – 44	0 – 7	q 12°	q 12°	q 8°	q 12°	8 mg/kg/dose
	> 7	q 8°	q 8°	q 6°	q 8°	
≥ 45	All	q 6°	q 8°	q 6°	q 6°	10 mg/kg/dose

Chart below is for dosing of Gentamicin & Tobramycin ONLY

BIRTH to 1 MONTH

Gestational Age (weeks)	Dose	Interval
≤ 28	3.5 mg/kg/dose	q 36 hours
29 – 34	3.5 mg/kg/dose	q 24 hours
≥ 35	5 mg/kg/dose	q 24 hours (q36h for HIE or significant asphyxia)

< 35 week GA: Order Peak/Trough with 4th dose
≥ 35 week GA: Order Trough ONLY with 4th dose
(for HIE or significant asphyxia, P/T with 3rd dose)

> 1 MONTH POSTNATAL

Corrected Gestational Age (weeks)	Dose	Interval
< 35	2.5 mg/kg/dose	q 12 hours
≥ 35		q 8 hours^

^Renal or cardiac dysfunction, use 2.5 mg/kg/dose IV q12 to 24 hours

For most current ICN dosing card guidelines: http://carelinks.ucsfmedctr.org//clinical_guidelines.asp

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