		Body weight <1kg	1-2kg	>2kg
Penic	illin G: general	infection (IU/kg/dose)		
	Age≦7d	5萬 IU/kg Q12H	5萬 IU/kg Q12H	5萬 IU/kg Q8H
	8-14 d	5萬 IU/kg Q12H	5萬 IU/kg Q8H	5萬 IU/kg Q6H
	15-28 d	5萬 IU/kg Q8H	5萬 IU/kg Q8H	5萬 IU/kg Q6H
Penici	llin G: meningit	is		
	Age≦7d	12.5 萬 IU/kg Q12H	12.5 萬 IU/kg Q12H	12.5 萬 IU/kg Q8H
	8-14 d	12.5 萬 IU/kg Q12H	12.5 萬 IU/kg Q8H	12.5 萬 IU/kg Q6H
	15-28 d	12.5 萬 IU/kg Q12H	12.5 萬 IU/kg Q8H	12.5 萬 IU/kg Q6H

Penicillin G:

Congenital Syphilis: 5 萬 IU/kg/dose Q12H during the first 7 days of life, and thereafter

5 萬 IU/kg/dose Q8H, for a total of 10 days GBS meningitis: 50-60 萬 IU/kg/day (參考馬偕)

Age≦ 7days 25- 45 萬 IU/kg/day divided Q8H; Age: 8-28 days 45-50 萬 IU/kg/day divided Q6H (參考 NeoFax)

Amoxicillin 500mg+ Clavulanic acid 100mg (Soonmelt):

the dose is based on TOTAL drug not the amoxicillin component

Oral: Age ≥7days 30mg/kg/dose q8h

IV: 30mg/kg/dose, PMA≤ 37weeks Q12H; PMA 37-44weeks Age≤ 6days Q12H, Age ≥7days Q8H

Oxaci	Oxacillin: general infection					
	Age≦7d	25 mg/kg Q12H	25 mg/kg Q12H	25 mg/kg Q8H		
	8-14 d	25 mg/kg Q12H	25 mg/kg Q8H	25 mg/kg Q6H		
	15-28 d	25 mg/kg Q8H	25 mg/kg Q8H	25 mg/kg Q6H		
Oxacil	lin: meningitis					
	Age≦7d	50 mg/kg Q12H	50 mg/kg Q12H	50 mg/kg Q8H		
	8-14 d	50 mg/kg Q12H	50 mg/kg Q8H	50 mg/kg Q6H		
	15-28 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q6H		
Cefaz	olin: general in	fection				
	Age≦7d	25 mg/kg Q12H	25 mg/kg Q12H	50 mg/kg Q12H		
	8-14 d	25 mg/kg Q8H	25 mg/kg Q8H	50 mg/kg Q8H		
	15-28 d	25 mg/kg Q8H	25 mg/kg Q8H	50 mg/kg Q8H		
Cefot	axime (Claforar	n): general infection (100-1	50 mg/kg/day)			
	Age≦7d	50 mg/kg Q12H	50 mg/kg Q12H	50 mg/kg Q12H		
	8-14 d	50 mg/kg Q12H	50 mg/kg Q8H	50 mg/kg Q8H		
	15-28 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q8H		

Cefotaxime: meningitis; 200 mg/kg/day; interval 比照上述表格所示 (參考馬偕)。

Meningitis: use smaller doses and longer intervals for neonates <2 kg (參考 Neofax)

Age≦7days 100-150mg/kg/day Q12-Q8H 8-28 days 150-200mg/kg/day Q8H-Q6H

Ceftriaxone (Ceftriaxone Kabi): Sepsis: Use cefotaxime in place of ceftriaxone if hyperbilirubinemia or

		Body weight <1kg	1-2kg	>2kg
	Age≦7d	50 mg/kg QD	50 mg/kg QD	50 mg/kg QD
	8-14 d	50 mg/kg QD	50 mg/kg QD	50 mg/kg QD
	15-28 d	50 mg/kg QD	50 mg/kg QD	75 mg/kg QD
nonp	seudomonal thi	rd-generation cephalospor	guidelines suggest cefotaxi in; no ceftriaxone dosing is	
Ceft	azidime (CetaZ	INE): general infection		
	Age≦7d	50 mg/kg Q12H	50 mg/kg Q12H	50 mg/kg Q12H
	8-14 d	50 mg/kg Q12H	50 mg/kg Q8H	50 mg/kg Q8H
	15-28 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q8H
Cefta	zidime: Menin	gitis: use smaller doses a	nd longer intervals for neo	onates <2 kg
		00-150 mg/kg/day divided		
{		50 mg/kg/day divided Q8H		E0 202/12 040H
	Age≦7d	50 mg/kg Q12H	50 mg/kg Q12H	50 mg/kg Q12H
	8-14 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q8H
	15-28 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q8H
	•	moderate infection: 30mg/k	~	
Cefe	pime: pneumo	·	seudomonas aeruginosa or	• • • •
	Age≦7d	50 mg/kg Q12H	50 mg/kg Q12H	50 mg/kg Q12H
	8-14 d	50 mg/kg Q12H	50 mg/kg Q8H	50 mg/kg Q8H
	15-28 d	50 mg/kg Q8H	50 mg/kg Q8H	50 mg/kg Q8H
Pipe	racillin 2G+ Taz		in): Dose base on piperaci	<u>- </u>
	Age≦7d	100 mg/kg Q12H	100 mg/kg Q12H	100 mg/kg Q8H
	8-14 d	100 mg/kg Q12H	100 mg/kg Q8H	80 mg/kg Q6H
	15-28 d	100 mg/kg Q8H	100 mg/kg Q8H	80 mg/kg Q6H
Merc	p penem : gene	eral infection		
	Age≦7d	20 mg/kg Q12H	20 mg/kg Q12H	20 mg/kg Q8H
	8-14 d	20 mg/kg Q12H	20 mg/kg Q8H	30 mg/kg Q8H
	15-28 d	20 mg/kg Q8H	20 mg/kg Q8H	30 mg/kg Q8H
Merc	penem: <mark>meni</mark> n			
	Age≦7d	40 mg/kg Q12H	40 mg/kg Q12H	40 mg/kg Q8H
	8-14 d	40 mg/kg Q12H	40 mg/kg Q8H	40 mg/kg Q8H
	15-28 d	40 mg/kg Q8H	40 mg/kg Q8H	40 mg/kg Q8H
<u> </u>	d amycin: gen	eral infection dose 5 mg/k	g/dose; infusion > 30-60m	in
Clin	Age≦7d	5 mg/kg Q12H	5 mg/kg Q12H	5 mg/kg Q8H
Clin	3	5 mg/kg Q12H	5 mg/kg Q8H	5 mg/kg Q6H
Clin	8-14 d		0 0	
Cline	8-14 d 15-28 d	5 mg/kg Q8H	5 mg/kg Q8H	5 mg/kg Q6H
	15-28 d onidazole: Lo	pading dose: 15 mg/kg; (參	考 馬偕), IV drip> 0.5-1hour,	
	15-28 d onidazole: Lo		考 馬偕), IV drip> 0.5-1hour,	
	15-28 d onidazole: Lo	pading dose: 15 mg/kg; (參和 Maintenance dose: as belo	考馬偕), IV drip> 0.5-1hour, w	at conc < 8mg/ml

conce	concentration ≤7 mg /mL ; IV infusion over 60 minutes				
		Body weight <1kg	1-2kg	>2kg	
	Age≦7d	20 mg/kg Q12H	20 mg/kg Q12H	20 mg/kg Q8H	
	8-14 d	20 mg/kg Q12H	20 mg/kg Q8H	20 mg/kg Q8H	
	15-28 d	20 mg/kg Q8H	20 mg/kg Q8H	20 mg/kg Q8H	

Age-directed dosing:

† Postmenstrual age (PMA) is gestational age plus postnatal age.

PMA is the primary determinant of dosing interval with postnatal age as the secondary qualifier Renal function and drug elimination are strongly correlated with postmenstrual age.

Ampicillin: general infection: 100 mg/kg/day

Ampicillin: Group B streptococcal bacteremia (GBS) sepsis: 200mg/kg/day

7 triplemin: Creap B direptededeal bacterenna (CBC) Copeler Zeering/kg/day				
PMA(weeks)	Postnatal (days)	Dose (參考上述)	Interval (hours)	
100	0-28		12	
≤29	≥ 29		8	
22.	0-14		12	
30 to 36	≥15		8	
37 to 44	0-7		12	
	≧ 8		8	
≥45	ALL		6	
	PMA(weeks) ≤29 30 to 36 37 to 44	PMA(weeks) Postnatal (days) 0-28 ≥ 29 0-14 30 to 36 ≥ 15 37 to 44 0-7 ≥ 8	PMA(weeks) Postnatal (days) Dose (參考上述) 0-28 ≥ 29 29 0-14 30 to 36 ≥15 37 to 44 0-7 ≥ 8	

Ampicillin: GBS meningitis: 0-7 days: 200 to 300 mg/kg/day divided Q8H

8 days and older: 300 mg/kg/day divided Q6 H

Gentamicin:

Draw peak 30 min after completion infusion; draw trough just before the next dose (於第 4 個 dose 給藥前)

PMA(weeks)	Postnatal (days)	Dose(mg/kg)	Interval (hours)
	0 to 7	F	40
<u>≤</u> *29	0 to 7	5	48
	8 to 28	4	36
	≧29	4	24
30 - 34	0 to 7	4.5	36
	≧8	4	24
35 - 44	ALL	4	24

^{*}or significant asphyxia, PDA, or treatment with indomethacin

Amikacin:

Draw peak 30 min after completion infusion; draw trough just before next dose (於第 4 個 dose 給藥前)

PMA(weeks)	Postnatal (days)	Dose(mg/kg)	Interval (hours)
(= = = = (g,g)	
≦ *29	0 to 7	18	48
	8 to 28	15	36
	≧29	15	24
30 - 34	0 to 7	18	36
	≧8	15	24
35 - 44	ALL	15	24

Vancomycin:

Dilute to a final concentration ≤5 mg/mL; IV infusion over 90 minutes

Draw trough level within 30 mins before the fourth dose. peak level 60 mins after end of infusion

PMA(weeks)	Postnatal (days)	sepsis 10mg/kg/dose meningitis 15mg/kg/dose	Interval (hours)
≤29	0 to 14		18
	≥15		12
30 to 36	0 to 14		12
	≥15		8
37 to 44	0 to 7		12
	≥8		8
≥45	ALL		6

Teicoplanin (Tagocid): loading dose 16 mg/kg/dose, followed by 8 mg/kg/dose QD

Linezolid: Oral, IV. Bacteremia, community/ hospital-acquired pneumonia, skin infections. Vancomycin-resistant Enterococcus faecium (VREF) infection

	Gest. Age (wks)	Post Natal (days)	Dose(mg/kg)	Interval(hours)
	<34	0 to 7	10	12
	<34	≥8	10	8
	34-44	0-28	10	8

Fluconazole: Invasive Candidiasis Duration of therapy for candidemia: 2 weeks after documented clearance of Candida from the bloodstream and resolution of symptoms (without metastatic complications)

Treatment: loading dose 25 mg/kg

Prophylaxis: 3 mg/kg/dose, twice weekly, duration up to 6 weeks

		<i>y</i> ,		
	Gest. Age (wks)	Post Natal (days)	Maintenance Dose(mg/kg)	Interval(hours)
	≤29	0 to 14	12	48
		≥15	12	24
	30 -44	0 to 7	12	48
		≥8	12	24

小兒科、藥劑科共同制訂

資料來源:

^{*}Micromedex- Neofax · * Uptodate 2019,

^{*}Pediatric & neonatal dosage handbook 2018

[†] Remington and Klein's Infectious Diseases of the Fetus and Newborn Infant 8th edit 2016

^{*}馬偕醫院新生兒加護病房工作手冊,2018.