

Peds/ICU Card										3.01 10/08 Keith Conover, M.D., FACEP conovers.org	
0-3 months	4-11	12-23	2-3 years	4-5	6-8	9-10	11	12+	Age	Amox/Aug: max 30mg/kg/day if < 3 mo nl dose: 25-40-50 mg/kg/day hi-dose: 80-85-90mg/kg/day bid	
6-11	12-17	18-23	24-35	36-47	48-59	60-71	72-95	>96	lbs.		
3-5	6-8	8-10	11-16	16-21	22-27	27-32	32-43	>43	kg.		
40mg	80mg	120mg	160mg	240mg	320mg	400mg	480mg	650mg		Tylenol (Q4 prn)	
1/2	1	1 1/2	2	-	-	-	-	-		Drops (80mg/0.8mL): 15mL bts (0.8 mL dropper)	
-	2.5	4	5	7.5	10	12.5	15	20		Elixir (160mg/5mL): 60/120mL bottles (mL)	
1/2	1	1 1/2	2	3	4	5	6	8		Chewable tablets (80 mg.): bts of 30	
-	1/2	1	1 1/2	2	2 1/2	3	4	6		Ped Supp 120 mg	
-	-	-	1/2	-	1	-	1 1/2	2		Adult Tabs 325 mg	
-	-	-	-	2.5	-	-	5	-		Extra-str adult liq (500mg/5mL): 240mL btl (mL)	
-	-	-	2.5	5	7.5	-	10	15		Tyl. 120 mg/Codeine 12 mg/5mL Elixir (mL)	
-	25 mg	50mg	75 mg	100mg	125mg	150mg	200mg	400mg		ibuprofen elixir (100mg/5mL = 20mg/mL):	
-	1.25	2.5	3.75	5	6.25	7.5	10	20		5 mg/kg;T<102.5 (mL; double for first day)	
-	2.5	5	7.5	10	12.5	15	20	20		10 mg/kg;T>102.5 (mL; double for first day)	
5mg	20mg	50mg	100mg	150mg	200mg					Zithromax	
0.25	1	2.5	5	7.5	10	-	-	-		100mg/5mL (15mL bottle) (mL)	
-	-	1.25	-	2.5	-	3.75	5	-		200mg/5mL (15/22.5/30 mL bottles) (mL)	
by wt.	2.5	-	5	7.5	-	-	10	-		Pediazole (Q6) 200 erythro-600 sulfa/5mL; sulfa: 150 mg/kg/day 100+200mL bts (mL)	
2.5	4	5	7.5	10	-	15	20=IDS tab	-		Bactrim Susp. 40TMP+200SMX/5mL (mL)	
2	4	5	7	10	12.5	15	-	-		Amoxicillin (High) 400mg/5mL;85 mg/kg/day (mL)	
-	-	2mg	2mg	4mg	4mg	4mg	-	-		Zofran (4mg/5mL, 4mg tab)	

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3-5	6-8	8-10	11-16	16-21	22-27	27-32	32-43	>43	kg.		
40mg	80mg	120mg	160mg	240mg	320mg	400mg	480mg	650mg		Tylenol (Q4 prn)	
1/2	1	1 1/2	2	-	-	-	-	-		Drops (80mg/0.8mL): 15mL bts (0.8 mL dropper)	
-	2.5	4	5	7.5	10	12.5	15	20		Elixir (160mg/5mL): 60/120mL bottles (mL)	
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-	-	-	1/2	-	1	-	1 1/2	2		Adult Tabs 325 mg	
-	-	-	-	2.5	-	-	5	-		Extra-str adult liq (500mg/5mL): 240mL btl (mL)	
-	-	-	2.5	5	7.5	-	10	15		Tyl. 120 mg/Codeine 12 mg/5mL Elixir (mL)	
-	25 mg	50mg	75 mg	100mg	125mg	150mg	200mg	400mg		ibuprofen elixir (100mg/5mL = 20mg/mL):	
-	1.25	2.5	3.75	5	6.25	7.5	10	20		5 mg/kg;T<102.5 (mL; double for first day)	
-	2.5	5	7.5	10	12.5	15	20	20		10 mg/kg;T>102.5 (mL; double for first day)	
5mg	20mg	50mg	100mg	150mg	200mg					Zithromax	
0.25	1	2.5	5	7.5	10	-	-	-		100mg/5mL (15mL bottle) (mL)	
-	-	1.25	-	2.5	-	3.75	5	-		200mg/5mL (15/22.5/30 mL bottles) (mL)	
by wt.	2.5	-	5	7.5	-	-	10	-		Pediazole (Q6) 200 erythro-600 sulfa/5mL; sulfa: 150 mg/kg/day 100+200mL bts (mL)	
2.5	4	5	7.5	10	-	15	20=IDS tab	-		Bactrim Susp. 40TMP+200SMX/5mL (mL)	
2	4	5	7	10	12.5	15	-	-		Amoxicillin (High) 400mg/5mL;85 mg/kg/day (mL)	
-	-	2mg	2mg	4mg	4mg	4mg	-	-		Zofran (4mg/5mL, 4mg tab)	

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-	-	-	1/2	-	1	-	1 1/2	2		Adult Tabs 325 mg	
-	-	-	-	2.5	-	-	5	-		Extra-str adult liq (500mg/5mL): 240mL btl (mL)	
-	-	-	2.5	5	7.5	-	10	15		Tyl. 120 mg/Codeine 12 mg/5mL Elixir (mL)	
-	25 mg	50mg	75 mg	100mg	125mg	150mg	200mg	400mg		ibuprofen elixir (100mg/5mL = 20mg/mL):	
-	1.25	2.5	3.75	5	6.25	7.5	10	20		5 mg/kg;T<102.5 (mL; double for first day)	
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5mg	20mg	50mg	100mg	150mg	200mg					Zithromax	
0.25	1	2.5	5	7.5	10	-	-	-		100mg/5mL (15mL bottle) (mL)	
-	-	1.25	-	2.5	-	3.75	5	-		200mg/5mL (15/22.5/30 mL bottles) (mL)	
by wt.	2.5	-	5	7.5	-	-	10	-		Pediazole (Q6) 200 erythro-600 sulfa/5mL; sulfa: 150 mg/kg/day 100+200mL bts (mL)	
2.5	4	5	7.5	10	-	15	20=IDS tab	-		Bactrim Susp. 40TMP+200SMX/5mL (mL)	
2	4	5	7	10	12.5	15	-	-		Amoxicillin (High) 400mg/5mL;85 mg/kg/day (mL)	
-	-	2mg	2mg	4mg	4mg	4mg	-	-		Zofran (4mg/5mL, 4mg tab)	

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40mg	80mg	120mg	160mg	240mg	320mg	400mg	480mg	650mg		Tylenol (Q4 prn)	
1/2	1	1 1/2	2	-	-	-	-	-		Drops (80mg/0.8mL): 15mL bts (0.8 mL dropper)	
-	2.5	4	5	7.5	10	12.5	15	20		Elixir (160mg/5mL): 60/120mL bottles (mL)	
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-	1/2	1	1 1/2	2	2 1/2	3	4	6		Ped Supp 120 mg	
-	-	-	1/2	-	1	-	1 1/2	2		Adult Tabs 325 mg	
-	-	-	-	2.5	-	-	5	-		Extra-str adult liq (500mg/5mL): 240mL btl (mL)	
-	-	-	2.5	5	7.5	-	10	15		Tyl. 120 mg/Codeine 12 mg/5mL Elixir (mL)	
-	25 mg	50mg	75 mg	100mg	125mg	150mg	200mg	400mg		ibuprofen elixir (100mg/5mL = 20mg/mL):	
-	1.25	2.5	3.75	5	6.25	7.5	10	20		5 mg/kg;T<102.5 (mL; double for first day)	
-	2.5	5	7.5	10	12.5	15	20	20		10 mg/kg;T>102.5 (mL; double for first day)	
5mg	20mg	50mg	100mg	150mg	200mg					Zithromax	
0.25	1	2.5	5	7.5	10	-	-	-		100mg/5mL (15mL bottle) (mL)	
-	-	1.25	-	2.5	-	3.75	5	-		200mg/5mL (15/22.5/30 mL bottles) (mL)	
by wt.	2.5	-	5	7.5	-	-	10	-		Pediazole (Q6) 200 erythro-600 sulfa/5mL; sulfa: 150 mg/kg/day 100+200mL bts (mL)	
2.5	4	5	7.5	10	-	15	20=IDS tab	-		Bactrim Susp. 40TMP+200SMX/5mL (mL)	
2	4	5	7	10	12.5	15	-	-		Amoxicillin (High) 400mg/5mL;85 mg/kg/day (mL)	
-	-	2mg	2mg	4mg	4mg	4mg	-	-		Zofran (4mg/5mL, 4mg tab)	



Medication	Bolus	Starting Drip (70 kg adult)
amiodarone	150-300 mg/10'	1 mg/min x6h, 0.5mg/min x 18 hr
bicarb		3 amps in 1 L D5w or 2.25 amps in 1 L 1/4 NS @ 3-4 ml/kg/hr ~250 mL/hr
Cardizem	10-20 mg	5-15 mg/hr
dobutamine	NA	2-15 mcg/kg/min (up to 40) (500mg/250 ml) 1000 mcg=1 mg
dopamine	NA	5-20 µg/kg/min (800mg/500mL@13-53mL/hr) 1 microgram=0.001 milligram
epinephrine	NA	2-10 µg/min (1mg/250@30-150mL/hr)
esmolol	load 35-80 mg over 1'	25-350 mcg/kg/min (2500 mg/250 @ 1.75-24.5 mL/min)
Integrilin	12.6 mg (180 mcg/kg, max 22.6 mg)/q 1-2'	2 mcg/kg/min (max: 15 mg/hour)
labetalol	10-20 mg/2' Q 10	0.5-2 mg/min (30-120 mg/hr) Osmolarity (nl 275-295) =
nicardipine	0.5 mg Q15'	0-15 mg/hr (0-15 mg/hr) 2 Na+ + BUN/2.8 + Glu/18 + EtOH/4.6
Nipride	NA	0.5-2 mcg/kg/min (4.2 mg/hr)
NTG	50 mcg-2mg Q3'	10-50 mcg/min (0.1-0.25 mcg/kg/min) Na+ correction For ↑Glucose:
Neosynephrine	100-500 mcg Q10'	40-60 mcg/min ▼Na+ 1.6 for each ↑Glucose 100
norepi/Levophed	NA	2-12 [0.5-30] mcg/min
octreotide	50 mcg x1	50 mcg/hr
procaïnamide	NA	2.5g/250mL@180mL/hr to total 120mL (30mg/min to total 17 mg/kg (1.2g))
Protonix	80 mg x1	8 mg/hr
propofol	35-70 mg	sedation: 5-50 mcg/kg/min (350mcg-3.5mg/min)(10 mg/mL@.035-.35ml/min=2.1-21ml/hr)

Pitt ICU **Potassium** replacement protocol (goal K⁺ > 3.5 mEq/l)
 K⁺ < 2.5 KCl 20 mEq PO + 20 mEq IV Check K⁺ in 6 hrs
 K⁺ 2.5-3.0 KCl 20 mEq PO + 10 mEq IV Check K⁺ in 6 hrs
 K⁺ >3.1 KCl 20 mEq PO Check K⁺ in 6 hrs

If no PO:
 K⁺ < 2.5 KCl 40 mEq IV Check K⁺ 1 hr after last KCl
 K⁺ 2.5-3.0 KCl 30 mEq IV Check K⁺ 1 hr after last KCl
 K⁺ 3.1-3.5 KCl 20 mEq IV Check K⁺ 1 hr after last KCl

Pitt ICU **Phosphorus** replacement protocol
 • replace with K⁺ phosphate (K phos) unless K⁺ > 4.0 mEq/L
 • subtract K phos from K order (15 mmol K phos = 22 mEq K⁺)
 • Replace phosphate with Na⁺ phosphate if K⁺ > 4.0 mEq/L

Phosphate (mg/dl)	Dose (IV) mmol	Rate	Recheck Level
1.0-2.0	15	Over 4 hrs	in AM
< 1.0	30	Over 6 hrs	4 hours

Medication	Bolus	Starting Drip (70 kg adult)
amiodarone	150-300 mg/10'	1 mg/min x6h, 0.5mg/min x 18 hr
bicarb		3 amps in 1 L D5w or 2.25 amps in 1 L 1/4 NS @ 3-4 ml/kg/hr ~250 mL/hr
Cardizem	10-20 mg	5-15 mg/hr
dobutamine	NA	2-15 mcg/kg/min (up to 40) (500mg/250 ml) 1000 mcg=1 mg
dopamine	NA	5-20 µg/kg/min (800mg/500mL@13-53mL/hr) 1 microgram=0.001 milligram
epinephrine	NA	2-10 µg/min (1mg/250@30-150mL/hr)
esmolol	load 35-80 mg over 1'	25-350 mcg/kg/min (2500 mg/250 @ 1.75-24.5 mL/min)
Integrilin	12.6 mg (180 mcg/kg, max 22.6 mg)/q 1-2'	2 mcg/kg/min (max: 15 mg/hour)
labetalol	10-20 mg/2' Q 10	0.5-2 mg/min (30-120 mg/hr) Osmolarity (nl 275-295) =
nicardipine	0.5 mg Q15'	0-15 mg/hr (0-15 mg/hr) 2 Na+ + BUN/2.8 + Glu/18 + EtOH/4.6
Nipride	NA	0.5-2 mcg/kg/min (4.2 mg/hr)
NTG	50 mcg-2mg Q3'	10-50 mcg/min (0.1-0.25 mcg/kg/min) Na+ correction For ↑Glucose:
Neosynephrine	100-500 mcg Q10'	40-60 mcg/min ▼Na+ 1.6 for each ↑Glucose 100
norepi/Levophed	NA	2-12 [0.5-30] mcg/min
octreotide	50 mcg x1	50 mcg/hr
procaïnamide	NA	2.5g/250mL@180mL/hr to total 120mL (30mg/min to total 17 mg/kg (1.2g))
Protonix	80 mg x1	8 mg/hr
propofol	35-70 mg	sedation: 5-50 mcg/kg/min (350mcg-3.5mg/min)(10 mg/mL@.035-.35ml/min=2.1-21ml/hr)

Pitt ICU **Potassium** replacement protocol (goal K⁺ > 3.5 mEq/l)
 K⁺ < 2.5 KCl 20 mEq PO + 20 mEq IV Check K⁺ in 6 hrs
 K⁺ 2.5-3.0 KCl 20 mEq PO + 10 mEq IV Check K⁺ in 6 hrs
 K⁺ >3.1 KCl 20 mEq PO Check K⁺ in 6 hrs

If no PO:
 K⁺ < 2.5 KCl 40 mEq IV Check K⁺ 1 hr after last KCl
 K⁺ 2.5-3.0 KCl 30 mEq IV Check K⁺ 1 hr after last KCl
 K⁺ 3.1-3.5 KCl 20 mEq IV Check K⁺ 1 hr after last KCl

Pitt ICU **Phosphorus** replacement protocol
 • replace with K⁺ phosphate (K phos) unless K⁺ > 4.0 mEq/L
 • subtract K phos from K order (15 mmol K phos = 22 mEq K⁺)
 • Replace phosphate with Na⁺ phosphate if K⁺ > 4.0 mEq/L

Phosphate (mg/dl)	Dose (IV) mmol	Rate	Recheck Level
1.0-2.0	15	Over 4 hrs	in AM
< 1.0	30	Over 6 hrs	4 hours



Medication	Bolus	Starting Drip (70 kg adult)
amiodarone	150-300 mg/10'	1 mg/min x6h, 0.5mg/min x 18 hr
bicarb		3 amps in 1 L D5w or 2.25 amps in 1 L 1/4 NS @ 3-4 ml/kg/hr ~250 mL/hr
Cardizem	10-20 mg	5-15 mg/hr
dobutamine	NA	2-15 mcg/kg/min (up to 40) (500mg/250 ml) 1000 mcg=1 mg
dopamine	NA	5-20 µg/kg/min (800mg/500mL@13-53mL/hr) 1 microgram=0.001 milligram
epinephrine	NA	2-10 µg/min (1mg/250@30-150mL/hr)
esmolol	load 35-80 mg over 1'	25-350 mcg/kg/min (2500 mg/250 @ 1.75-24.5 mL/min)
Integrilin	12.6 mg (180 mcg/kg, max 22.6 mg)/q 1-2'	2 mcg/kg/min (max: 15 mg/hour)
labetalol	10-20 mg/2' Q 10	0.5-2 mg/min (30-120 mg/hr) Osmolarity (nl 275-295) =
nicardipine	0.5 mg Q15'	0-15 mg/hr (0-15 mg/hr) 2 Na+ + BUN/2.8 + Glu/18 + EtOH/4.6
Nipride	NA	0.5-2 mcg/kg/min (4.2 mg/hr)
NTG	50 mcg-2mg Q3'	10-50 mcg/min (0.1-0.25 mcg/kg/min) Na+ correction For ↑Glucose:
Neosynephrine	100-500 mcg Q10'	40-60 mcg/min ▼Na+ 1.6 for each ↑Glucose 100
norepi/Levophed	NA	2-12 [0.5-30] mcg/min
octreotide	50 mcg x1	50 mcg/hr
procaïnamide	NA	2.5g/250mL@180mL/hr to total 120mL (30mg/min to total 17 mg/kg (1.2g))
Protonix	80 mg x1	8 mg/hr
propofol	35-70 mg	sedation: 5-50 mcg/kg/min (350mcg-3.5mg/min)(10 mg/mL@.035-.35ml/min=2.1-21ml/hr)

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If no PO:
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Phosphate (mg/dl)	Dose (IV) mmol	Rate	Recheck Level
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< 1.0	30	Over 6 hrs	4 hours

Medication	Bolus	Starting Drip (70 kg adult)
amiodarone	150-300 mg/10'	1 mg/min x6h, 0.5mg/min x 18 hr
bicarb		3 amps in 1 L D5w or 2.25 amps in 1 L 1/4 NS @ 3-4 ml/kg/hr ~250 mL/hr
Cardizem	10-20 mg	5-15 mg/hr
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epinephrine	NA	2-10 µg/min (1mg/250@30-150mL/hr)
esmolol	load 35-80 mg over 1'	25-350 mcg/kg/min (2500 mg/250 @ 1.75-24.5 mL/min)
Integrilin	12.6 mg (180 mcg/kg, max 22.6 mg)/q 1-2'	2 mcg/kg/min (max: 15 mg/hour)
labetalol	10-20 mg/2' Q 10	0.5-2 mg/min (30-120 mg/hr) Osmolarity (nl 275-295) =
nicardipine	0.5 mg Q15'	0-15 mg/hr (0-15 mg/hr) 2 Na+ + BUN/2.8 + Glu/18 + EtOH/4.6
Nipride	NA	0.5-2 mcg/kg/min (4.2 mg/hr)
NTG	50 mcg-2mg Q3'	10-50 mcg/min (0.1-0.25 mcg/kg/min) Na+ correction For ↑Glucose:
Neosynephrine	100-500 mcg Q10'	40-60 mcg/min ▼Na+ 1.6 for each ↑Glucose 100
norepi/Levophed	NA	2-12 [0.5-30] mcg/min
octreotide	50 mcg x1	50 mcg/hr
procaïnamide	NA	2.5g/250mL@180mL/hr to total 120mL (30mg/min to total 17 mg/kg (1.2g))
Protonix	80 mg x1	8 mg/hr
propofol	35-70 mg	sedation: 5-50 mcg/kg/min (350mcg-3.5mg/min)(10 mg/mL@.035-.35ml/min=2.1-21ml/hr)

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