

PEDIATRIC IV DOSES

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Vancomycin

PHARMACOLOGICAL CAT.

Glycopeptide

STRENGTH :

500mg

DOSE :

>1 month and Children: I.V.:

40-60 mg/kg/day divided q 6-8 hrs;

dose and frequency should be individualized based on serum concentrations.

Max. daily dose:

4000 mg/day

Gentamicin

PHARMACOLOGICAL CAT.

Antibiotic, Aminoglycoside

STRENGTH :

80 mg/ 2 ml

DOSE :

2-2.5 mg/kg/dose q 8 hrs.

Extended-interval dosing: I.V.:

4.5-7.5 mg/kg/dose Q 24 hrs in pt. with normal renal function.

Metronidazole

PHARMACOLOGICAL CAT.

Amebicide; Antibiotic

STRENGTH :

500mg/100ml

DOSE :

General dosing, susceptible infection : Infants, Children, and Adolescents:

I.V.: 22.5 to 40 mg/kg/day in divided doses 3 times daily; max.: 1500 mg/day. (Red Book [AAP], 2012)

Anaerobic infections:

I.V.: 30 mg/kg/day in divided doses every 6 hours.

DRUG :

Ranitidine

PHARMACOLOGICAL CAT.

Histamine H₂ Antagonist

STRENGTH :

50 mg/ 2 ml

DOSE :

1 M – 16 Y:

Gastric/duodenal ulcer & GERD and erosive esophagitis:

2-4 mg/kg/day divided q 6-8 hrs; max: 200 mg/day

Continuous infusion:

: Initial: 1 mg/kg/dose for one dose followed by infusion of 0.08-0.17 mg/kg/hour or 2-4 mg/kg/day.

Pantoprazole

PHARMACOLOGICAL CAT.

Proton Pump Inhibitor

STRENGTH :

40 mg

DOSE :

Gastric acid suppression:

Children ≥ 2 years and Adolescents: I.V.:
0.8 or 2 mg/kg once daily;

max. single dose: 80 mg

Linezolid

PHARMACOLOGICAL CAT.

Antibiotic, Oxazolidinone

STRENGTH :

600mg/300ml

DOSE :

≤11 y:

10 mg/kg q 8 hrs.

(max.: 600 mg/dose)

Hyoscine (scopolamine)

PHARMACOLOGICAL CAT.

Anticholinergic Agent

STRENGTH :

20 mg/ 1 ml

DOSE :

Infant & children : in severe cases :

5 mg q 8 hrs.

Phenytoin

PHARMACOLOGICAL CAT.

Anticonvulsant, Hydantoin

STRENGTH :

250 mg/ 5 ml

DOSE :

Status epilepticus & Seizures: I.V.:

Loading dose:

15-20 mg/kg

Maintenance dose:

begin 12 hours after loading dose. Initial: 5 mg/kg/day in divided doses into 2-3 doses;

usual range:

4-8 mg/kg/day.

maximum.:

300 mg/day

Hydrocortisone

PHARMACOLOGICAL CAT.

Corticosteroid, Systemic

STRENGTH :

100 mg

DOSE :

Anti-inflammatory or immunosuppressive: I.M., I.V.:

1-5 mg/kg/day or 30-150 mg/m²/day divided q 12-24 hrs.

Adrenal insufficiency (acute): I.M., I.V.:

Infants & young Children:

1-2 mg/kg/dose I.V. bolus, then 25-150 mg/day in divided doses q 6-8 hrs.

Status asthmaticus: Children: I.V.:

1-2 mg/kg/dose q 6 hrs for 24 hrs, then maintenance of 0.5-1 mg/kg q 6 hrs.

Fluconazole

PHARMACOLOGICAL CAT.

Antifungal Agent, Azole Derivative

STRENGTH :

200 mg/100ml

DOSE :

Loading dose:

6-12 mg/kg once daily;

maintenance:

3-12 mg/kg/day once daily

MAX. 600 mg/day.

Erythromycin

PHARMACOLOGICAL CAT.

Antibiotic, Macrolide

STRENGTH :

1 g

DOSE :

I.V.: Lactobionate:

15-50-mg/kg/day divided every 6 hours, not to exceed 4 g daily.

Desmopressin

PHARMACOLOGICAL CAT.

Antihemophilic Agent;

STRENGTH :

4 mcg/ 1 ml

DOSE :

Hemophilia:

≥3 months & Adults:

0.3 mcg/kg beginning 30 minutes before procedure; may repeat dose if needed.

Desmopressin

PHARMACOLOGICAL CAT.

Antihemophilic Agent;

STRENGTH :

4 mcg/ 1 ml

DOSE :

Hemophilia:

≥3 months & Adults:

0.3 mcg/kg beginning 30 minutes before procedure; may repeat dose if needed.

Deferoxamine

PHARMACOLOGICAL CAT.

Antidote; Chelating Agent

STRENGTH :

500 mg

DOSE :

Acute iron toxicity: ≥ 3 y:

Initial: 20 mg/kg (max dose: 1 g) adm 15 mg/kg/hour followed by 10 mg/kg (max. dose: 500 mg) over 4-hour intervals for 2 doses; subsequent doses of 10 mg/kg (max dose: 500 mg) over 4-12 hours may be repeated depending upon the clinical response;

Max. 6 g/day.

Chronic iron overload: ≥ 3 y:

I.V.: 20-40 mg/kg/day over 8-12 hours for 5-7 days per week.

Cloxacillin

PHARMACOLOGICAL CAT.

Antibiotic, Penicillin

STRENGTH :

250 mg

DOSE :

Mild to moderate inf. :

50-100 mg/kg/ day divided q 6 hours.

Severe inf.:

150-200 mg/kg/day divided q 4-6 hours;

Max. 12 g/day

Clindamycin

PHARMACOLOGICAL CAT.

Antibiotic, Lincosamide

STRENGTH :

300 mg/ 2 ml

DOSE :

Mild – moderate:

20 mg/kg/day divided q 8 hrs. max. 1.8 g/day.

Severe:

40 mg/kg/day divided q 6-8 hrs.

max. 2.7 g/day

Ciprofloxacin

PHARMACOLOGICAL CAT.

Antibiotic, Fluoroquinolone

STRENGTH :

200 mg/ 100 ml

DOSE :

General dosing, susceptible infection:

20 to 30 mg/kg/day divided every 12 hours; (max. dose: 800 mg/day)

Cystic fibrosis: I.V.:

30 mg/kg/day divided every 8 to 12 hours;

(max. dose: 1.2 g/day)

Cefuroxime

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Second Generation)

STRENGTH :

750 mg

DOSE :

≥3 M- 12 y :

25-50 mg/kg/dose q 8 hrs;

max. 6 g/day

Ceftriaxone

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Third Generation)

STRENGTH :

1 g

DOSE :

Mild – moderate :

50-75 mg/kg/day q 24 hrs.

Severe:

100 mg/kg divided q 12-24 hrs. in meningitis

max: 2 g/day

Ceftazidime

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Third Generation)

STRENGTH :

1 g

DOSE :

1 m – 12 Y:

30-50 mg/kg/dose q 8 hrs;

max: 6 g/day

Cefoxitin

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Second Generation)

STRENGTH :

1 g

DOSE :

3m – 12 Y:

80-160 mg/kg/day divided q4-6 hrs.

Max. 12g/day

Cefotaxime

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Third Generation)

STRENGTH :

1 g

DOSE :

1 M – 12 Y <50 kg:

100-200 mg/kg/day divided q 6-8 hrs.

≥50 kg: Refer to adult dosing

Cefepime

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (Fourth Generation)

STRENGTH :

2 g

DOSE :

50 mg/kg/dose q 8 – 12 hrs.

Max. 6 g / day

Cefazoline

PHARMACOLOGICAL CAT.

Antibiotic, Cephalosporin (First Generation)

STRENGTH :

1 g

DOSE :

>1 month:

25-100 mg/kg/day divided q 6-8 hrs

max: 6 g/day

Bumetanide

PHARMACOLOGICAL CAT.

Antihypertensive; Diuretic, Loop

STRENGTH :

2mg / 4 ml

DOSE :

Edema:

Oral, I.M., I.V.: 0.015-0.1 mg/kg/dose Q 6-24 hrs.

(max. dose: 10 mg/day)

Azithromycin

PHARMACOLOGICAL CAT.

Antibiotic, Macrolide

STRENGTH :

500 mg

DOSE :

Serious infection: I.V.:

10 mg/kg/day on days 1 and 2, then switch to oral.
(Red Book, 2012)

Ampicillin

PHARMACOLOGICAL CAT.

Antibiotic, Penicillin

STRENGTH :

500 – 1000 mg

DOSE :

100-200 mg/kg/day divided q 6 hours.

Meningitis:

: 200-400 mg/kg/day divided q 6 hrs.

max.: 12 g/day.

Ampicillin / sulbactam

PHARMACOLOGICAL CAT.

Antibiotic, Penicillin

STRENGTH :

750-1500 mg

DOSE :

100-200 mg amp/kg/day divided q 6 hrs.

Meningitis:

200-400 mg amp/kg/day divq 6 hrs.

Max.8g ampicillin

Amikacin

PHARMACOLOGICAL CAT.

Antibiotic, Aminoglycoside

STRENGTH :

500mg/2ml

DOSE :

5-7.5 mg/kg/dose q 8 hrs.

Or 10mg/kg/dose Q 8 hrs in patients who may require larger doses.

Or 30 mg/kg/dose Q 24 hrs.

Acyclovir

PHARMACOLOGICAL CAT.

Antiviral Agent

STRENGTH :

250 mg

DOSE :

3m-12 Y:

10 - 20 mg/kg/dose q 8 hrs.