



Micromedex

NeoFax® / Pediatrics

新生兒及兒童用藥

Introduction



- ✦ 新生兒和兒童的藥動學，與成人不同；對各類藥品適應症不盡相同，或須依兒童的成長調整準確、有效且安全的劑量。
- ✦ 據估計，在新生兒加護病房 (NICU) 有 45%-65% 的藥物為 off-label (適應症外) 使用，也因此新生兒發生「可預防之不良藥物事件」和「用藥錯誤」的風險較高。

NeoFax® and Pediatrics

旨在利用完整的新生兒/兒童藥物資訊、計算和管理藥物的工具，使臨床醫事人員得以安全且有效地為新生兒/兒童開立處方，來提高治療效果和效率，同時盡可能地減少用藥錯誤風險，維護脆弱的新生兒/兒童族群的用藥安全。



Drug Monographs

嬰幼兒藥物專欄



Drug Monographs



NeoFax® /
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Tox 和藥物
產品查找

RED BOOK

計算器

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Dosing Calculators

What's New

Drug Monographs

切換新生兒/兒童類別，會有不同的藥物選單

Drug

Neonatal

Pediatric

Find a Neonatal drug

5-FC
Abelcet
Acetadote
Acetaminophen
Acetate
AcetaZOLAMIDE
Acetylcysteine
ActHIB
Actigall
Actia

Drug

Neonatal

Pediatric

Find a Pediatric drug

5-FC
Abacavir
Abacavir/Dolutegravir/Lamivudine
Abacavir/Lamivudine
Abametapir
Abatacept
Abciximab
Abelcet
Abilify
Abilify Discmelt

Feedback

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Drug Monographs



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Vancomycin

Neonatal

Pediatric

在藥品頁面，仍可切換新生兒／兒童類別

Drug



Find a Neonatal drug



Dosing/ Administration

Dose

Uses

Administration

Medication Safety

Contraindications/
Precautions

Adverse Effects

Solution Compatibility

Terminal Injection Site
Compatibility

Terminal Injection Site
Incompatibility

Monitoring

Mechanism Of Action/
Pharmacokinetics

Pharmacology

Dosing/ Administration

Dose

Initial dose: 10 to 15 mg/kg/dose IV every 6 to 18 hours.

檢視完整文件

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Initial Dose Intervals		
PMA†	Postnatal Age†	Interval
29 weeks or less	0 to 14 days older than 14 days	18 hours 12 hours
30 to 36 weeks	0 to 14 days older than 14 days	12 hours 8 hours
37 to 44 weeks	0 to 7 days older than 7 days	12 hours 8 hours
45 weeks or more	ALL	6 hours

† 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.

Serious MRSA infections: 10 to 20 mg/kg IV every 8 to 48 hours depending on postmenstrual age, weight, and serum creatinine; adjust dose to achieve desired AUC/MIC ratio. **MAX dose, 3600 mg/day** in children do not require doses higher than 3000 mg/day [1].

Anthrax (as part of combination therapy) [2][3].

32 weeks or more gestational age

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Vancomycin

可利用右上方搜尋框，直接搜尋其他藥品。

Drug

dop

DOPamine

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Terminal Injection Site Incompatibility

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Dosing/ Administration

Dose

Initial dose: 10 to 15 mg/kg/dose IV every 6 to 18 hours.

Initial Dose Intervals		
PMA†	Postnatal Age†	Interval
29 weeks or less	0 to 14 days	18 hours
	older than 14 days	12 hours
30 to 36 weeks	0 to 14 days	12 hours
	older than 14 days	8 hours
37 to 44 weeks	0 to 7 days	12 hours
	older than 7 days	8 hours
45 weeks or more	ALL	6 hours

† Postmenstrual age (PMA) is gestational age plus postnatal age.
PMA is the primary determinant of dosing interval with postnatal age as the secondary qualifier.
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Anthrax (as part of combination therapy) [2][3].
32 weeks or more gestational age

Micromedex Assistant



Enteral Formula Comparison

腸道配方比較



Enteral Formula Comparison



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Enteral Formula Comparison

Neonatal

Pediatric

Select the required population type, display format, choose a formula and select the > button. Select the < button to remove it.

Display Format: ☒ Per 100 Cal ☐ Per Liter ☐ Per Both

Enter search term:

ger

1.選擇度量衡

2.輸入腸道營養配方名稱

Formulas Available: (3)

Gerber® Good Start® GentlePro (HMO)
Gerber® Good Start® SoothePro
Gerber® Good Start® Soy

Formulas Selected: (Maximum of 3 formulas can be selected)

Gerber® Good Start® GentlePro (HMO)

Clear

Product Notes

Display

Product Notes

Gerber® Good Start® GentlePro (HMO)

Gerber® Good Start® GentlePro (HMO)

20 Cal/fl oz

Available as powder, concentrate, and ready-to-feed

* Iron supplementation should be considered for preterm infants.

† Protein Source: 100% whey partially hydrolyzed

†† Fat Source: palm olein oil, soy oil, coconut oil, high oleic safflower or sunflower oil, single cell oil

§ Carbohydrate Source: corn maltodextrin, lactose



Enteral Formula Comparison



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Enteral Formula Comparison

Neonatal Pediatric

Select the required population type, display format, choose a formula and select the > button. Select the < button to remove it.

Display Format: ☐ Per 100 Cal ☐ Per Liter ☒ Per Both

Enter search term:

ger

Formulas Available: (3)

Gerber® Good Start® GentlePro (HMO)
Gerber® Good Start® SoothePro
Gerber® Good Start® Soy

Formulas Selected: (Maximum of 3 formulas can be selected)

Gerber® Good Start® GentlePro (HMO)
Gerber® Good Start® Soy



Clear

Product Notes

Display

最多可比較三項產品

Nutrient	Gerber® Good Start® GentlePro (HMO)		Gerber® Good Start® Soy	
	Per 100 cal	Per Liter	Per 100 cal	Per Liter
Energy, Cal	100	676	100	676
Volume, mL	148	1000	148	1000
Protein, g	2.2	14.9	2.5	16.9
% of total calories †	9	9	10	10
Fat, g	5.1	34.5	5.1	34.5
% of total calories ††	46	46	46	46
Linoleic acid, mg	900	6087	920	6223
Carbohydrate, g	11.2	75.8	11.1	75.1
% of total calories §	46	46	44	44
Water, g	133	900	134	906
Minerals				
Calcium, mg (mEq)	67 (3.4)	453 (22.7)	105 (5.3)	710 (35.5)
Phosphorus, mg (mEq)	38 (1.2)	257 (8.3)	63 (2)	426 (13.7)
Magnesium, mg	7	47	11	74
Iron, mg	1.5*	10*	1.8	12
Zinc, mg	0.8	5.4	0.9	6.1
Manganese, mcg	15	101	25	169
Copper, mcg	80	541	80	541
Molybdenum, mcg	-	-	-	-
Iodine, mcg	12	81	15	101
Selenium, mcg	3	20	3	20
Sodium, mg (mEq)	27 (1.2)	183 (8)	40 (1.7)	271 (11.8)
Potassium, mg (mEq)	108 (2.8)	730 (18.7)	116 (3)	785 (20.1)
Chloride, mg (mEq)	65 (1.8)	440 (12.4)	70 (2)	480 (13.5)
Vitamins				
Vitamin A, IU	300	2029	300	2029
Vitamin D, IU	75	507	60	406
Vitamin E, IU	2	14	3	20
Vitamin K, mcg	8	54	9	61

Feedback



Dosing Calculators

劑量計算機



Dosing Calculators



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Dosing Calculators

What's New

Dosing Calculators - Patient Information

Birthdate: (MM/DD/YYYY)

MM/DD/YYYY

Population Type:

Pediatric

Age

Today

Current Weight:

 kg

Proceed to Calculator

<< Aug >>

2023

X

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Step1.輸入病患基本資料

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Dosing Calculators



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Dosing Calculators - Calculator

Pediatric

Drug Selection

Alpha Filter:

ceft

Drug:

Ceftaroline Fosamil
CefTAZidime
Ceftolozane/Tazobactam
CefTRIAXone

Step2.選擇欲查詢藥品

1 Month

3.2 kg

Help Information

- Enter the first few letters of the drug's name.
- Select the drug to display.

Feedback



Dosing Calculators



Dosing Calculators - Calculator

Pediatric

CefTRIAxone

Drug Use:

Acute bacterial sinusitis; Initial oral not feasible
Acute bacterial sinusitis; Severe
Acute otitis media (1-day regimen)
Acute otitis media (3-day regimen)
Bacterial meningitis, once-daily
Bacterial meningitis, twice-daily
Gonorrhea, complicated (45 kg or less)

Drug Route:

IM
IV

1 Month

3.2 kg

Pediatrics

50 mg/kg/dose

Single dose

IV infusion over 30 minutes

10 to 40 mg/mL

Ordered

Dose	50	mg/kg/dose
Interval	1	dose
Admin. over	30	minutes
Conc.	40	mg/mL

Dose amount	160 mg/dose
Dose volume	4 mL/dose
Delivery rate	8 mL/hour

Calculator Notes

If patient >11 years, may give by IV push (100 mg/mL) over 2 to 4 minutes.
Follow with oral therapy in 24 hours, if possible.

Step4.進行計算

Change Drug

Reset Form

Calculate

Print

Drug Monograph

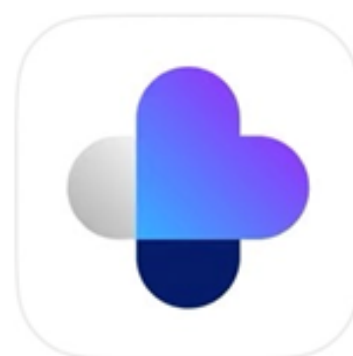
Comments

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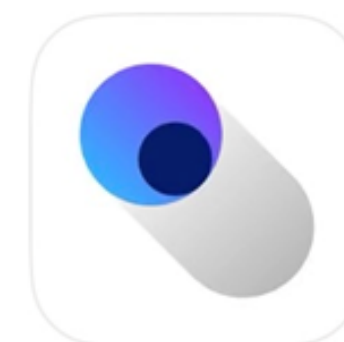


Feedback

APP Download



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- ↓ Micromedex Assistant for Mobile Browsers (Online Conversational Search, subscription required)
- ↓ Merative Micromedex Assistant (Remote online access to enterprise subscription)

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Micromedex® NeoFax Reference




- The **Micromedex NeoFax** app for Apple and Android devices is included with Merative Micromedex Neofax content subscription.
- You can access these apps via the App Store (Apple devices), or Google Play® (Android devices).
- For users who are not current NeoFax customers, the app will be available for a fee.
- You can activate the app by following the simple instructions below.

Simple instructions for installation:

Step 1: Visit the App Store from your device and search Micromedex NeoFax.

Step 2: From the App, select download / install the application. You may be prompted to enter your Apple or Google ID.

Step 3: The app will download to your app library, or directly to your device.

Step 4: Open the app. Enter the password  to begin using **Micromedex NeoFax Reference**. *The password is case-sensitive. Please enter it exactly as it appears here.*



Step3.App密碼在此



Micromedex® Pediatrics Reference



- The **Micromedex Pediatrics Reference** app for Apple and Android devices is included with Merative Micromedex Pediatrics content subscription.
- You can access these apps via the App Store (Apple devices), or Google Play® (Android devices).
- For users who are not current Pediatrics customers, the app will be available for a fee.

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Assistant** 

Pediatric Reference
Drug Monographs

Q Enter the drug name here

Cancel

Drug

Category

5-FC (Flucytosine)

>

Abacavir

>

Abacavir/Dolutegravir/Lamivudine

>

Abacavir/Lamivudine

>

Abametapir

>

Abatacept

>

Abciximab

>

Abelcet (Amphotericin B Lipid Complex)

>

Abilify (ARIPiprazole)

>

Abilify Discmelt (ARIPiprazole)

>

AbobotulinumtoxinA

>

Abrilada (Adalimumab-afzb)

>

Accolate (Zafirlukast)

>

Accupril (Quinapril)

>

Drug

Enteral Formulas

Pediatric Reference
Drug Monographs

Q Enter the drug name here

Cancel

Drug

Category

Antimicrobials

>

Biologicals

>

Cardiovascular Drugs

>

CNS

>

Diuretics

>

GI Drugs

>

Miscellaneous Drugs

>

Nutritionals

>

Respiratory Drugs

>

Vitamins/Minerals

>

Drug

Enteral Formulas

Pediatric Reference
Enteral Formulas

Q Enter formula name here

Cancel

BCAD 1

>

BCAD 2

>

Calcilo XD®

>

Cyclinex®-1

>

Cyclinex®-2

>

EleCare® for Infants

>

EleCare® Jr

>

Enfamil® 24

>

Enfamil® A.R.®

>

Enfamil® EnfaCare®

>

Enfamil® EnfaCare® Powder in Breast Milk

>

Enfamil® Gentlease®

>

Enfamil® Infant

>

Enfamil® Premature 20

>

Enfamil® Premature 24 Cal

>

Drug

Enteral Formulas



Pediatric APP

NeoFax Reference
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Q Enter the drug name here

Cancel

Drug

Category

5-FC (Flucytosine)

Abacavir

Abelcet (Amphotericin B Lipid Complex)

Acetadote (Acetylcysteine)

Acetaminophen

Acetate (Electrolytes/Minerals)

AcetaZOLAMIDE

Acetylcysteine

ActHIB (Haemophilus b (Hib) Conjugate...

Actigall (Ursodiol)

Actiq (FentaNYL)

Activase (Alteplase)

Acyclovir

Adagen (Pegademase Bovine)

Drug

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Q Enter the drug name here

Cancel

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Category

Antimicrobials

Biologicals

Cardiovascular Drugs

CNS

Diuretics

GI Drugs

Miscellaneous Drugs

Nutritionals

Respiratory Drugs

Vitamins/Minerals

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Enteral Formulas

Q Enter formula name here

Cancel

EleCare® for Infants

Enfamil® 24

Enfamil® A.R.®

Enfamil® EnfaCare®

Enfamil® EnfaCare® Powder in Breast Milk

Enfamil® Gentlease®

Enfamil® Infant

Enfamil® Premature 20

Enfamil® Premature 24 Cal

Enfamil® Premature 24 Cal HP

Enfamil® Premature 30

Enfamil® ProSobee®

Enfamil® Reguline™

Gerber® Good Start® GentlePro (HMO)

Gerber® Good Start® SoothePro

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