CHEO Outreach Manual—Analgesia/Sedation

There is a useful IV Drug Calculation tool on the CHEO Outreach website. Below is a step-by-step guide to accessing and using the tool.

Visit the CHEO Outreach website at https://outreach.cheo.on.ca/home



Once on the CHEO Outreach website navigate to the menu on the right side of the page. Here you will see quick links for various manuals and tools. Click on "IV Drug Calculations"



Once you click on this link you will be brought to the Drug Dosage Calculation Programs where you will see a list of possible calculators.

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Home » Pharmacy	🖨 Print	
CHEO Dosage Guideline Pocket Card Making Meds Taste Better Parenteral Manual Drug Dosage Calculation Programs Age Options Neonatal Drug Therapy Manual CHEO Antimicrobial Guidelines	 Drug Dosage Calculation Programs This section provides a weight based drug calculator for pediatric dosages. By selecting the appropriate drug program and entering patient weight, recommended dosages are presented. These drug programs are provided for informational purposes for qualified health care professionals. The hospital will not assume responsibility for the continued currency of the information, any errors or omissions, and/or any consequences arising from use of the information outside of CHEO. CHEO has taken reasonable steps to ensure dose accuracy. However, changes in drug therapy can occur. Hospitals and healthcare practitioners should confirm and follow the doses and product information set out by the drug manufacture. Pediatric Drug Infusions PALS/Anaphylaxis Status Epilepticus Status Epilepticus Analgesia/Sedation Respiratory Neonatal Resuscitation Drugs Neonatal Intensive Care Unit Drug Infusion Calculator Resolution Intensive Care Unit Drug Infusion Calculator 	

Select the calculator you would like to use:

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 Clinical Documents Pha	armacy Health Inform	ation & Resources	ducation & Training	Neonatal Transport Tear	m	
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ANALGESIA This printout is a	Drug Calculato	RUGS a physician orde ss otherwise spec		June 8, 2021	Advanced Directives Yes No	
Patient Weight:*	[kg	Entered by:		Initials	
Verify Weight:		kg	Verified by:		initials	
Perform Calculatio	Concentration Dose	Volume Notes			Admin Notes	
ANALGESIA/SEDAT	ION					
Analgesics						
Fentanyl - Low Dose (1 mcg/kg)	50 mcg/mL				Undiluted. Over 3-5 min.	

The name of the calculator you are using will display at the top of the page. The only required information to use the calculator is a name (which you can add an 'X' instead of the name if it is unknown) and the weight of the patient (the weight must be added in the the "Patient Weight" field and in the "Verify Weight" field).

Home n Print **Emergency Drug Calculator** Advanced Directives Yes No ANALGESIA/SEDATION DRUGS This printout is a guideline only, not a physician order Dose calculations intravenous unless otherwise specified Patient Name:* Jane Doe Date: June 8, 2021 (If unknown, enter as Patient X, etc.) Patient Weight:* Entered by: 20 kg Initials Verify Weight:* 20 kg Verified by: initials Perform Calculations Admin Notes Drug Concentration Dose Volume Notes ANALGESIA/SEDATION Analgesics Fentanyl - Low Dose Undiluted. Over 3-5 min. 50 mcg/mL (1 mcg/kg) Undiluted. Over 3-5 min. Fentanyl - High Dose 50 mcg/mL (2 mcg/kg) Undiluted. Over ≥ 1 min Ketamine 10 mg/mL (1 mg/kg)

ANALGESIA	Drug Calcı /SEDATIO		UGS			Advanced Directives Yes No
This printout is a	guideline only	/, not a p	ohysicia	n order		
Dose calculations	intravenous	unless o	otherwis	e specified		
Patient Name:*	Jane Doe			Date:	June 8, 2021	
	(If unknown, ente	er as Patient X,	etc.)			
Patient Weight:"	20		kg	Entered by:		Initials
Verify Weight:*	20		kg	Verified by:		initials
Perform Calculation	Concentration	Dose	Volume	Notes	A	dmin Notes
ANALGESIA/SEDATIO						
Analgesics						
Fentanyl - Low Dose (1 mcg/kg)	50 mcg/mL				Un	diluted. Over 3-5 min.
Fentanyl - High Dose (2 mcg/kg)	50 mcg/mL				Un	diluted. Over 3-5 min.
	50 mcg/mL 10 mg/mL					diluted. Over ≥ 1 min. diluted. Over ≥ 1 min
(2 mcg/kg) Ketamine				Initial Maximum Dose 5 mg	Un	
(2 mcg/kg) Ketamine (1 mg/kg) Morphine - Low Dose	10 mg/mL			Initial Maximum Dose 5 mg Initial Maximum Dose 5 mg	Un	diluted. Over ≥ 1 min

Once you have input the values in these fields click "Perform Calculations" and you will then be provided with the required medications and all relevant information you may need. There is also an option in the upper righthand corner to print the sheet if you need it.