

Emergency Medical Services

Highland Park Hospital EMS Office 777 Park Ave West Highland Park, IL 60035 Office: 847-480-3758

MEMO

То:	Highland Park EMS System Paramedics and Endeavor Legacy Hospital ECRNs
From:	Dr. Ben Feinzimer - EMS Medical Director
Date:	January 20, 2025
Subject:	Ketamine Dose Change - Ideal Body Weight (IBW)

To All HP EMS System Paramedics and Endeavor Legacy Hospital ECRNs,

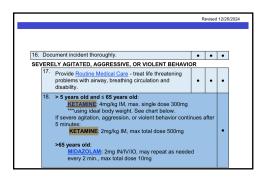
The following SOP change was updated January 1, 2025. Please note there will be an additional update June 1, 2025 to further simplify Ketamine dosing for pediatrics and during drug assisted intubation.

Behavioral Emergencies

- Ketamine dosing for ADULTS and POST-PUBESCENT PEDIATRICS will now be based on Ideal Body Weight
- IBW is estimated using height and gender, not weight
- Pre-pubescent pediatrics who exceed the maximum weight on the pediatric table should receive the table maximum
- Post-pubescent pediatrics who exceed the maximum weight on the pediatric table should receive adult-based dosing

Rationale

- Ketamine dosing recommendations are based on IBW per pharmacy guidance
- · Easier for EMS providers to estimate height when compared to weight
- Smaller doses and maximum doses are safer for patient
- · IBW dosing reduces patient risk and therefore liability for EMS providers



Please share questions or concerns.

Professionally,

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Ben Feinzimer, DO, MS EMS Medical Director Illinois Region X - Highland Park

						Povice	ed 12/26/2024		
						Revise	d 12/20/2024		
KETAMINE 500MG/10mL									
IDEAL BODY WEIG	HT	PEDIATRIC PATIENTS							
ADULT MALE:					1 mg/kg	Repeat:	2 mg/kg		
Initial: 4mg/kg			kg	dose	vol.	dose	vol.		
height Kg dose	vol.	6.6	3						
< 5'6" 50 kg 200 mg	4 mL	8.8	4						
5'6"-6' 63 kg 250 mg	5 mL	11	5						
> 6' 75 kg 300 mg	6 mL	13	6						
		15	7						
Repeat: 2mg/kg		18	8						
height Kg dose	vol. 2 mL	20 22	9 10	Not approved for this weight					
	2 mL .5 mL	22	10						
5'6"-6' 63 kg 125 mg 2 > 6' 75 kg 150 mg	.5 mL 3 mL	24	12						
20 73 kg 150 mg	3 IIIL	29	13						
		31	14						
ADULT FEMALE:		35	16						
Initial: 4mg/kg		40	18						
height Kg dose	vol.	44	20	80 mg	1.6 mL	40 mg	0.8 mL		
	.6 mL	48	22	88 mg	1.8 mL	44 mg	0.88 mL		
5'-5'6" 50 kg 200 mg	4 mL	53	24	96 mg	1.92 mL	48 mg	0.96 mL		
> 5'6" 63 kg 250 mg	5 mL	57	26	104 mg	2.08 mL	52 mg	1.04 mL		
		62	28	112 mg	2.24 mL	56 mg	1.12 mL		
Repeat: 2mg/kg		66	30	120 mg	2.4 mL	60 mg	1.2 mL		
height Kg dose	vol.	70	32		2.56 mL	64 mg	1.28 mL		
	.8 mL	75	34		2.72 mL	68 mg	1.36 mL		
5'6"-6' 50 kg 100 mg	2 mL	79	36		2.88 mL	72 mg	1.44 mL		
> 6' 63 kg 125 mg 2	.5 mL	84	38	152 mg	3.04 mL	76 mg	1.52 mL		
		88	40	160 mg	3.2 mL	80 mg	1.6 mL		
		92	42		3.36 mL	84 mg	1.68 mL		
		97	44	176 mg	3.52 mL	88 mg	1.76 mL		