

DESIGN AND IMPLEMENTATION OF AN EHR-BASED PROPOFOL DECISION SUPPORT TOOL FOR TOTAL INTRAVENOUS ANESTHESIA

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- Propofol TIVA increasingly used due to smaller carbon footprint
- High waste potential from overdrawing propofol
- EHR-based propofol decision support tool is feasible and may decrease waste and save money
- 6 months of TIVA for MLBs could save 2.9 L propofol

Propofol Dosing							
		Today's Date:					
Weight: 12 Kg		Age:					
Patient weight, kg	12						
Propofol bolus dose, mg/kg	3						
Infusion time period and dosing	mcg/kg/min	Propofol bolus + infusion quantity, mL					
	0-15 minutes	200	7				
	16-30 min	175	10				
	31-60 min	156	16				
	61-120 min	149	27				
	121-180 min	143	37				
181-300 min	136	57					
Age group	0-1 mo	1-3 mo	3-6 mo	6-12 mo	12-36 mo	3-12 yrs	13-21 yrs
Propofol bolus mg/kg	3.5	3	3	3	3	3	3
Propofol 0-15 min (µg/kg/min)	183	200	200	208	217	250	200
Propofol 16-30 min (µg/kg/min)	167	183	192	200	200	217	175

PRODUCT DESCRIPTION	PRICE/ML	POTENTIAL SAVINGS
PROPOFOL 10 mg/mL	\$ 0.1120	\$ 324.80

References

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