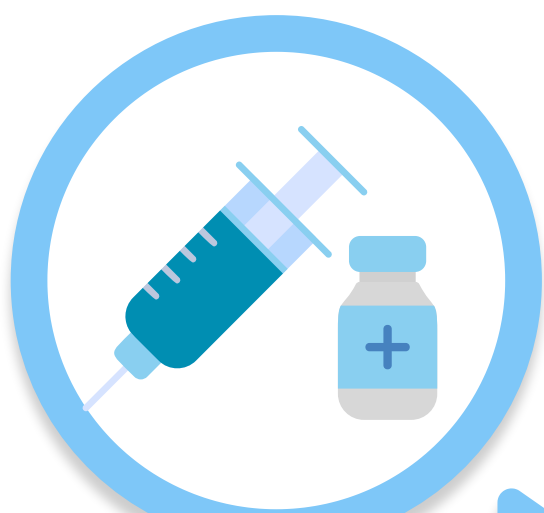
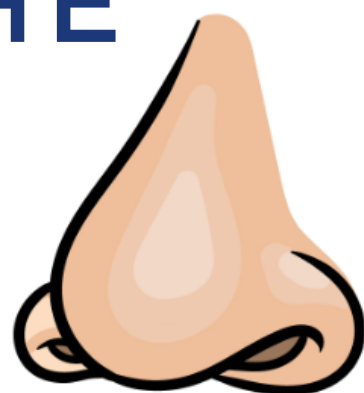


# PICKING THE NOSE FOR SEDATION IN THE PEDIATRIC ED



**GOAL**

SAFELY deliver sedation to facilitate imaging or procedures that would otherwise not require hospital admission

- MAD Nasal (Mucosal Atomization Device)
- Atomizes drug into fine mist
- Use highest concentration of drug available
- Max volume 0.5-1 mL per nostril



**DRUG DELIVERY**

## Drugs in our Pyxis

UNCH Pediatric Intranasal Medications Orderset

### Dexmedetomidine (Precedex)

- Dose: 3 mcg/kg
- Onset: 15-25 min
- Peak: 45 min
- Duration: 45-95 min
- Side effects: Bradycardia, hypotension
- Contraindications: Baseline bradycardia or hypotension, cardiac anomalies

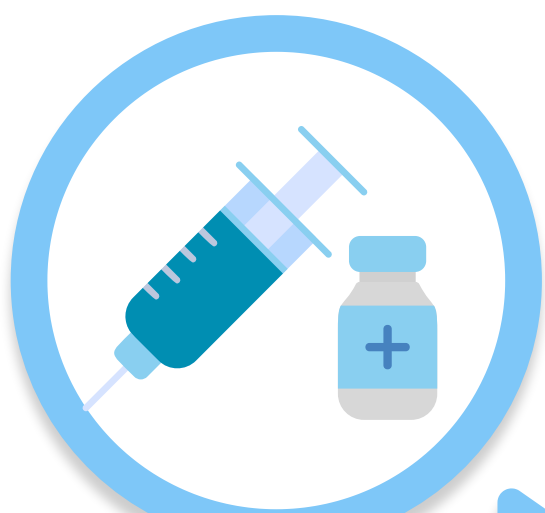
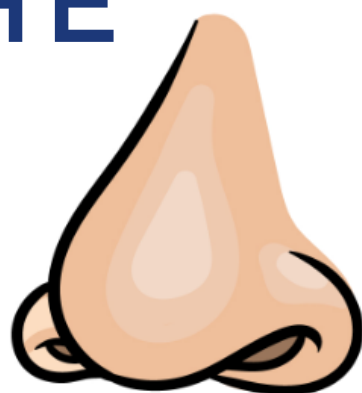
### Fentanyl

- Dose: 1-2 mcg/kg
- Onset: 7-10 min
- Peak: 15-20 min
- Duration: 30-60 min
- Side effects: Nausea, vomiting, respiratory depression
- Contraindications: Nasal mucosal erosion, epistaxis, hypersensitivity

### Midazolam (Versed)

- Dose: 0.2-0.5 mg/kg up to max 10 mg
- Onset: 5-10 min
- Peak: 10 min
- Duration: 20-60 min
- Side effects: Nasal irritation
- Contraindications: Epistaxis, unstable hemodynamics, baseline altered LOC

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#### Ketamine

- Dose: 2-4 mg/kg
- Onset: 5-10 min
- Peak: 15-30 min
- Duration: 30-50 min
- Side effects: Nausea, dizziness, sub-dissociation
- Contraindications: <12 months old, current significant respiratory illness, difficult airway, cardiac anomalies, psychosis/schizophrenia

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- Onset: 5-10 min
- Peak: 10 min
- Duration: 20-60 min
- Side effects: Nasal irritation
- Contraindications: Epistaxis, unstable hemodynamics, baseline altered LOC