

# Emergency Department Checklist for Procedural Sedation and Analgesia (PSA)

PATIENT STICKER

## EQUIPMENT AT BEDSIDE

- Patient pre-oxygenation (Nasal cannula at >15LPM or NRB)
- ETCO2, pulse ox with adequate wave form
- Cardiac monitor w/ BP q3-5min and PRN
- RSI equipment (laryngoscope blade, ETT, stylet, syringe, extraglottic device, lubricant)
- Ventilation rescue equipment (nasal airway, oral airway, BVM hooked to O2)
- Suction functional and hooked up
- Sedative and emergency paralytic vials
- Reversal agent vials (naloxone, flumazenil)

## PRE-SEDATION ASSESSMENT

- Consent in chart (right pt., site, procedure)
- IV access obtained and line patent
- Pre-sedation PRN meds given (Ondansetron, Midazolam, Fentanyl PRN)
- Relevant PMHx reviewed: ASA Class \_\_\_\_\_
- Allergies \_\_\_\_\_
- Last Meal \_\_\_\_\_ Weight \_\_\_\_\_
- Difficult airway predictors assessed
- Sedative Dose \_\_\_\_\_ Paralytic Dose \_\_\_\_\_
- Sedation benefits outweigh risks

## DIFFICULT AIRWAY ASSESSMENT

<b>BVM</b>	<b>ROMAN</b>	<b>R</b> adiation/ <b>R</b> estriction; <b>O</b> bstruction/ <b>O</b> besity/ <b>O</b> SA; <b>M</b> ask seal/ <b>M</b> ale/ <b>M</b> allampati; <b>A</b> ged; <b>N</b> o teeth
<b>Extraglottic Device</b>	<b>RODS</b>	<b>R</b> estriction; <b>O</b> bstruction/ <b>O</b> besity; <b>D</b> istorted anatomy; <b>S</b> hort thyromental distance
<b>Direct Laryngoscopy</b>	<b>LEMON</b>	<b>L</b> ook externally; <b>E</b> valuate 3-3-2; <b>M</b> allampati; <b>O</b> bstruction/ <b>O</b> besity; <b>N</b> eck mobility
<b>Cricothyrotomy</b>	<b>SMART</b>	<b>S</b> urgery; <b>M</b> ass; <b>A</b> ccess/ <b>A</b> natomy; <b>R</b> adiation; <b>T</b> umor

## TEAM

- R.N.
- Procedure M.D.
- PSA- Sedation M.D.
- PSA- Airway M.D.

## PROCEDURAL SEDATION AGENTS

Drug	Initial Dose	PRN Repeat Dose	Onset	Duration	Precautions
<b>Etomidate</b>	0.15 mg/kg	0.05 mg/kg q2 min.	10-15 sec	4-10 min	Myoclonus, Adrenal suppression
<b>Ketamine</b>	0.1-0.3 mg/kg (pain) 1-2 mg/kg IV (sedation)	0.5 mg/kg q2 min	30-120 sec	15-30 min	HTN, CHF, CAD, Schizophrenia, Emesis, Emergence (consider midazolam 1-2 mg PRN)
<b>Propofol</b>	0.5 mg/kg (elderly) 1.0 mg/kg (standard dose)	0.25 mg/kg q2 min	10-40 sec	3-10 min	Soy/egg allergy, Hypotension, Tachycardia, Elderly
<b>Midazolam</b>	0.01-0.03 mg/kg	0.01-0.03 mg/kg q3-5 min	3-5 min	120 min	Pregnancy, Delayed onset, Opiate co-administration
<b>Fentanyl</b>	1 mcg/kg	0.5-1 mcg/kg q3-5 min	2-5 min	30-60 min	Resp. depression, Delayed onset
<b>“Ketofol”</b>	1 mg/kg (0.5 mg/kg propofol + 0.5 mg/kg ketamine)	0.5 mg/kg q2 min	30-120 sec	8-14 min	See above (ketamine, propofol), Do not mix in same syringe!

## INTERVENTIONS FOR HYPOVENTILATION

