Emergency Department Procedural Sedation and Analgesia Physician Checklist

[patient label]

Pre-Proced	ure Assessr	nent		
☐ Prior problems ☐ Allergies to for ☐ Procedure ☐ ☐ Dentures ☐ Cardiorespira ☐ Difficult airway	none / upper / ory reserve none / features none	esthesialower [should remain in dure or mild impairment / moderate in the property of t	ing PSA unless intubation mpairment / significant concern Will dela	n required]
Difficult Airw	ay Features			
☐ Is this pation. The less cardiores should not receive	ntllation: Beard Restr roidotomy: Surge ent a good car spiratory reserve, t PSA in the emerger	d, Obese, No teeth, Elderly icted mouth opening, Obstary, Hematoma, Obesity, Randidate for ED procedule more difficult airway feat	, Sleep Apnea / Sno ruction, Distorted air adiation distortion or dural sedation a ures, and the less pro candidate for ED-base	way, S tiff lungs or c-spine other deformity, T umor*
Pre-proced	ure Prepara	tion	Airway Equ	uipment
Analgesia - maximal patient comfort prior to PSA Informed consent for PSA and procedure Patient on monitor: telemetry, NIBP, SpO2, EtCO2 Oxygenate with NC O2 and high flow face mask O2 Select and draw up PSA agent(s) Reversal agents and paralytic vials at bedside Prepare for endotracheal intubation			Ambu bag connected to oxygen Laryngoscopy handles and blades Suction, oral & nasal airways Endotracheal tubes & stylets LMA with lubricant and syringe Colorimetric capnometer Bougie & difficult airway equipment	
Agent Dose		Contraindications		Comments
	mg/kg IV, then 0.5 mg/ -2 min prn	Egg or soy allergy		Preferred for shorter procedures and where muscle relaxation is of benefit; avoid if hypotension is a

Agent	Dose*	Contraindications	Comments	
Propofol	0.5-1 mg/kg IV, then 0.5 mg/ kg q1-2 min prn	Egg or soy allergy	Preferred for shorter procedures and where muscle relaxation is of benefit; avoid if hypotension is a concern	
Ketamine		Absolute: age < 3 months, schizophrenia Relative: major posterior oropharynx procedures; history of airway instability, tracheal surgery, or tracheal stenosis; active pulmonary infection or disease; cardiovascular disease; CNS masses, abnormalities, or hydrocephalus	Preferred for longer procedures; avoid if hypertension/ tachycardia is a concern; have midazolam available to manage emergence distress; muscle tone is preserved or increased; post-procedure emesis may be mitigated by prophylactic ondansetron	
Etomidate	0.1-0.15 mg/kg IV, then 0.05 mg/kg q2-3 min prn		Intra-procedure myoclonus or hypertonicity, as well as post-procedure emesis, are common	
Fentanyl	1-2 mcg/kg IV, then 1 mcg/ kg q3-5 min prn		Comparatively delayed onset of action; do not re-dose too quickly	
Midazolam	.05 mg/kg IV, then .05 mg/kg q3-5 min prn	Pregnancy, allergy to benzyl alcohol	Comparatively delayed onset of action; do not re-dose too quickly	
Pentobarbital	1 mg/kg IV, then 1 mg/kg q3-5 min prn	Pregnancy, porphyria	Use for painless procedures where analgesia is not needed	
Reversal Agent	Dose		Caution	
Naloxone	0.01-0.1 mg/kg IV or IM (typical adult dose 0.4 mg), max 2 mg			
Flumazenil	0.01 mg/kg IV (typical adult dose 0.2 mg) over 20 seconds, max 1 mg Only use in benzodiazepine naïve patient			

[patient label]



Detect hypoventilation early

Stop the drugs Position the patient

> Jaw thrust Suction if needed

Laryngospasm notch pressure

Nasal airways

Consider reversal agents

Bag mask or LMA ventilation Oral airway, ventilation Intubate

PSA Intervention Sequence

- · Proceed down intervention sequence as slowly as patient condition permits
- · Jaw thrust as illustrated above thumbs on maxilla, four fingers posterior to ramus
- · Laryngospasm notch is behind the earlobe, between mastoid process and condyle of mandible - bilateral, firm pressure medially and cephalad (up and in)
- · If rescue ventilation is required, bag slowly and gently
- · see emupdates.com/psa for details

Post-procedure Assessment				
Adverse events	none / hypoxia (< 90%) / aspiration / hypotension / agitation / other:			
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	none / bag valve mask / LMA / ETT / reversal agent / hypotension Rx / admission for PSA / other:			
Adequacy of PSA	nondistressed / mild distress / severe distress			
Procedure	successful / unsuccessful			
☐ MD or RN at bedside	until patient responds to voice			
☐ Telemetry, EtCO₂, Sp	O ₂ monitoring until patient responding to questions appropriately			
If reversal agent used	d, observation two hours after answering questions appropriately			
igsqcup Mental status and am	abulation at baseline at time of discharge/disposition			

Fasting Grid

Ovel inteks in the
Standard risk patient**

Oral intake in the prior 3 hours	Emergent Procedure	Urgent Procedure	Semi-urgent procedure	Non-urgent procedure	
Nothing	All levels of sedation	All levels of sedation	All levels of sedation	All levels of sedation	
Clear liquids only	All levels of sedation	All levels of sedation	Up to and including brief deep sedation	Up to and including extended moderate sedation	
Light snack	All levels of sedation	Up to and including brief deep sedation	Up to and including dissociative sedation; non- extended moderate sedation	Minimal sedation only	
Heavier snack or meal	All levels of sedation	Up to and including extended moderate sedation	Minimal sedation only	Minimal sedation only	

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Dissociative Minimal sedation only

sedation; brief or intermediate-length moderate sedation

→ Extended moderate → Brief deep → sedation

Intermediate or extended-length deep sedation

Brief: < 10 min Intermediate: 10-20 min Extended: > 20 min

Additional Comments

MD Name	Sian	Date/Time	