Emergency Department Procedural Sedation and Analgesia Physician Checklist

[patient label]

Pre-Pro	cedure Assessn	nent			
		y of OSA)			
		esthesia			
Allergies	to food or medications				
Procedur	e				
Dentures	none / upper / l	ower [should remain in during PS	A unless intubation	required]	
☐ Cardiores	spiratory reserve no o	r mild impairment / moderate impairr	nent / significant	impairment	
☐ Difficult a	irway features non-	e / mild concern / significant conce	ern		
☐ Last oral	intake (see fasting grid	on reverse)	■ Will delay	y procedure until	
	(g)			of proceeding with PSA exceed risks	
Difficult A	Airway Features				
Difficult LMA	M Ventilation: Beard A: Restri	externally, Evaluate 3-3-2 rule, I I, Obese, No teeth, Elderly, Slee cted mouth opening, Obstructio ry, Hematoma, Obesity, Radiation	ep Apnea / Snor n, D istorted ain	ing way, S tiff lungs or c-spine	
☐ Is this	patient a good car	ndidate for ED procedura	I sedation a	nd analgesia?	
should not red	ceive PSA in the emergen		date for ED-base	cedural urgency, the more likely the patient d PSA, other options include regional or local	
Pre-pro	cedure Prepara	tion	Airway Equ	ipment	
· _			connected to oxygen		
	d consent for PSA and	ppy handles and blades			
	on monitor: telemetry, N	al & nasal airways			
	ate with NC O2 and hig	eal tubes & stylets			
	-	bricant and syringe			
				c capnometer	
				fficult airway equipment	
Prepare	for endotracheal intuba	ation	bougle & di	micuit ail way equipment	
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	1-2 mg/kg IV over 30-60 sec or 4-5 mg/kg IM, repeat half dose prn	Absolute: age < 3 months, schizophrenia Relative: major posterior oropharynx pro airway instability, tracheal surgery, or trac active pulmonary infection or disease; ca disease; CNS masses, abnormalities, or	ocedures; history of cheal stenosis; ardiovascular	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 Flumazenil		cal adult dose 0.4 mg), max 2 mg ose 0.2 mg) over 20 seconds, max 1 mg		Only use in benzodiazepine naïve patient	
i idiliazelili	I o o i mg/kg iv (typical addit d	out our mig pover at according, max i my		Torry 455 in benzoulazepine flaive patient	

Emergency Department PSA Checklist (page 2)



Detect hypoventilation early

Stop the drugs

Position the patient

Jaw thrust

Suction if needed

Laryngospasm notch pressure

Nasal airways

Ivasai

Consider reversal agents

Bag mask or LMA ventilation

[patient label]

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:			
☐ Interventions taken	none / bag valve mask / LMA / ETT / reversal agent / hypotension Rx / admission for PSA / other:			
\square Adequacy of PSA	nondistressed / mild distress / severe distress			
☐ Procedure	successful / unsuccessful			
\square 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			
igl $igcap$ Mental status and an	nbulation at baseline at time of discharge/disposition			

Fasting Grid

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

Higher-risk patient**

Oral intake in the Emergent

prior 3 hours	Procedure	Urgent Procedure	procedure	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	Up to and including brief deep sedation	Up to and including extended moderate sedation	Minimal sedation only
Light snack	All levels of sedation	Up to and including dissociative sedation; non- extended moderate sedation	Minimal sedation only	Minimal sedation only
Heavier snack or meal	All levels of sedation	Up to and including dissociative sedation; non- extended moderate sedation	Minimal sedation only	Minimal sedation only

Minimal sedation only Dissociative sedation; brief or intermediate-length moderate sedation

Extended moderate _ sedation

Brief deep sedation

Intermediate or extended-length deep sedation Brief: < 10 min Intermediate: 10-20 min Extended: > 20 min

Additional Comments	ò
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MD Name Sign Date/Time