

Medication Assisted Induction Check List

Contraindications
Patients age 12 and under and/or less than 50 kgs.
Patients with adequate ventilation / oxygenation and a protected airway
Epiglottitis or major facial / airway abnormalities
Upper Airway Obstruction

Equipment	
Suction	
Oxygen	
Airway: Laryngoscope, ETT, Stylet, Bougie, BVM, King Airway, Cricothyrotomy Kit	
Pharmacology: Medications drawn up and readily accessible	
Monitoring: ECG, Pulse Oximetry, ETCO ₂ , BP	

Procedure		
Prepare	Pre-Oxygenate: 100% O ₂ via NRB (2-3 minutes)	
	Oxygenate: Oxygen via Nasal Cannula at 15 lpm	
	Monitoring: ECG, Pulse Oximetry, ETCO ₂ , BP	
	IV/IO: Patent IV/IO access, 250 mL bolus	
Induction	Premedication (if indicated): Fentanyl 3 mcg/kg IV/IO Push (3 minutes prior to laryngoscopy). <i>May skip if patient is hypotensive (<90 mm Hg systolic).</i>	
	Sedation: Ketamine 2 mg/kg IV/IO Push (1 minute prior to paralytic)	
	Paralytic: Rocuronium 1 mg/kg IV/IO Push OR Vecuronium 0.1 mg/kg IV/IO Push	
	Intubation: Mandible must be flaccid. Ventilate after each attempt or if Oxygen saturation <91%. ➤ Intubation Failure: After 2 failed intubation attempts insert a King Airway. If unable to place the King Airway and adequate ventilation is not possible, consider Cricothyrotomy.	
	Verify ETT Placement: Visualize ETT passing the cords, ETCO ₂ , Lung Sounds, Condensation in ETT	
Continuation	Secure ETT: ETT holder, C-Collar Continued Sedation: Versed 5mg or Ketamine 2 mg/kg	
	Documentation: Indications, Airway Description, Oxygenation, Medications and Materials used, Vital Signs, Attempts, ETT Depth, Verification, ETT Secured, Receiving Physician	

Fentanyl 3 mcg/kg (100 mcg/2 mL)			
LBS	KG	Dose MG	Vol. ML
110	50	150	1.5
120	55	160	1.6
130	59	180	1.8
140	64	190	1.9
150	68	200	2.0

Rocuronium 1 mg/kg (50 mg/5 mL)			
LBS	KG	Dose MG	Vol. ML
110	50	50	5.0
120	55	55	5.5
130	59	59	5.9
140	64	64	6.4
150	68	68	6.8
160	73	73	7.3
170	77	77	7.7
180	82	82	8.2
190	86	86	8.6
200	91	91	9.1
210	95	95	9.5
220	100	100	10.0

Ketamine 2 mg/kg (500 mg/10 mL)			
LBS	KG	Dose MG	Vol. ML
110	50	150	3.0
120	55	164	3.3
130	59	177	3.5
140	64	191	3.8
150	68	205	4.1
160	73	218	4.4
170	77	232	4.6
180	82	245	4.9
190	86	259	5.2
200	91	273	5.5
210	95	286	5.7
220	100	300	6.0
230	105	314	6.3
240	109	327	6.5
250	114	341	6.8
260	118	355	7.1
270	123	368	7.4
280	127	382	7.6
290	132	395	7.9
300	136	409	8.2
310	141	423	8.5
320	145	436	8.7
330	150	450	9.0
340	155	464	9.3
350	159	477	9.5
360	164	491	9.8
370	168	500	10

Vecuronium 0.1 mg/kg (10 mg/10 mL)			
LBS	KG	Dose MG	Vol. ML
110	50	5.0	5.0
120	55	5.5	5.5
130	59	5.9	5.9
140	64	6.4	6.4
150	68	6.8	6.8
160	73	7.3	7.3
170	77	7.7	7.7
180	82	8.2	8.2
190	86	8.6	8.6
200	91	9.1	9.1
210	95	9.5	9.5
220	100	10.0	10.0
230	105	10.5	10.5
240	109	10.9	10.9
250	114	11.4	11.4
260	118	11.8	11.8
270	123	12.3	12.3
280	127	12.7	12.7
290	132	13.2	13.2
300	136	13.6	13.6
310	141	14.1	14.1
320	145	14.5	14.5
330	150	15.0	15.0
340	155	15.5	15.5
350	159	15.9	15.9
360	164	16.4	16.4
370	168	16.8	16.8
380	173	17.3	17.3
390	177	17.7	17.7
400	182	18.2	18.2
410	186	18.6	18.6
420	191	19.1	19.1
430	195	19.5	19.5
440	200	20.0	20.0