NWC EMSS Skill Performance Record DRUG-ASSISTED VIDEO LARYNGOSCOPY INTUBATION

Name:	1 st attempt:	□ Pass	□ Repeat
Date:	2 nd attempt:	□ Pass	□ Repeat

Instructions: An awake adult has severe dyspnea and exhaustion from HF or asthma. Prepare equipment and intubate using DAI procedure.

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Performance standard Step omitted (or leave blank) Not yet competent: Unsuccessful; required critical or excess prompting; marginal or inconsistent technique Successful; competent with correct timing, sequence & technique, no prompting necessary		Attempt 2 rating
* Takes appropriate BSI precautions: gloves, goggles, mask HEPA filter for ventilating w/ BVM		
State indications: Actual or potential airway impairment/compromise or aspiration risk that cannot be mitigated by BLS interventions Actual or impending hypoxic or hypercarbic resp. failure (apnea, ineffective ventilatory effort; SpO₂ ≤ 90; EtCO₂ ≥60) BLS airways, NIPPV, BVM ventilations contraindicated or ineffective Increased work of breathing (WOB) (e.g., retractions, use of accessory muscles) resulting in severe fatigue Need for ↑ insp. pressure or PEEP to maintain gas exchange NIPPV/BVM ventilations contraindicated or ineffective Need for sedation to control or effectively assist ventilations		
State contraindications/restrictions to use of sedatives: ☐ Coma with absent airway reflexes or known hypersensitivity/allergy ☐ Use in pregnancy could be potentially harmful to fetus; consider risk/benefit		
State contraindications to ETI: Severe airway trauma or obstruction that does not permit the safe placement of an ET tube		
Prepare patient ☐ Position for optimal view and airway access (head up to 45° unless contraindicated) ☐ Open the airway manually; *insert BLS adjuncts: NPA or OPA unless contraindicated		
Assess (to extent possible given constraints of time and pt cooperation) for S&S suggesting the pt may be difficult to ventilate: (MOANS": mask seal, obesity, age (elderly), no teeth, stiffness "BONES": beard, obese, no teeth, elderly, sleep apnea/snoring.)		
Assess for S&S of difficult intubation (LEMON): Neck/mandible mobility, oral trauma, loose teeth; F/B; ability to open mouth, Mallampati view, thyromental distance; overbite		
Assess GCS, VS; SpO ₂ on RA; auscultate breath sounds for baseline		
*Preoxygenate 3 minutes: O₂ wash in; nitrogen wash out Apply O₂ at 15 L/ETCO₂ NC; maintain before and during procedure — If 2 O₂ sources add: RR ≥10 / AWAKE / good ventilatory effort: Consider CPAP at 5-10 PEEP if not contraindicated RR <10 or shallow: O₂ 15 L/BVM squeeze bag over 1 sec with just enough air to see visible chest rise (~400-600mL); avoid high airway pressure (≥25cm H₂O) & gastric distention RR 10 BPM (1 every 6 sec) to SpO₂ 94% If Hx asthma/COPD: 6-8 BPM to SpO₂ 92%. If SpO₂ does not meet this goal, contact OLMC. If 1 O₂ source: Sense ETCO₂ via NC (no O₂); give O₂/BVM until procedure starts. Then switch O₂ source to NC and run throughout ETI insertion.		
Prepare (select, check, assemble) equipment – have ready before pacing blade into mouth	1	T
 □ BLS airways; O₂ sources; size appropriate BVM bags and masks □ Suction equipment (DuCanto rigid and 12-14 Fr flexible catheters); turn on to ✓ unit □ King Vision device & blade (curved channeled) ETT 7.0 & 7.5 (must fit into channeled blade) □ Bougie; 10 mL syringe, water-soluble lubricant □ BP, EtCO₂, SpO₂, ECG monitors; commercial tube holder, head blocks or tape, stethoscope □ Alternate airways prepped & in sight (i-gel; cricothyrotomy) □ Medications: Ketamine, etomidate, fentanyl, midazolam (depending on pt) 		
*Check ETT cuff integrity while in package; fill syringe w/ 10 mL of air; leave attached to pilot tubing		
*Assemble King Vision per standard procedure; ensure it is operational. Load ET tube into lubricated channel; load bougie inside tube. Ensure tube does not extend past channel in blade.		

Performance standard			
0 Step omitted (or leave blank)		Attempt 2 rating	
Not yet competent: Unsuccessful; required critical or excess prompting; marginal or inconsistent technique Successful; competent with correct timing, sequence & technique, no prompting necessary	1 rating	2 ratilly	
Pre-medicate during pre-ox: Pain present + etomidate being used to sedate:			
FENTANYL 1 mcg/kg (max single dose 100 mcg) IVP/IO/IN/IM; Elderly/debilitated: 0.5 mcg/kg (max 50 mcg)			
*SEDATE: Optimum sedation evidenced by absent gag reflex (lack of eyelash reflex or response to a glabellar tap); easy up and down movement of jaw, no reaction to pressure applied to both angles of the mandible). Allow for clinical response before intubating Estimate wt carefully			
Order of preference			
 KETAMINE 2 mg/kg slow IVP (over one min) or 4 mg/kg IN (NAS) / IM (max 300 mg) OR Child ≥10: ETOMIDATE 0.5 mg/kg IVP (max 40 mg) if ketamine refused/contraindicated If no ketamine or etomidate due to drug shortage: MIDAZOLAM 5 mg IVP/IN + FENTANYL 100 mcg IVP/IN. If insufficient sedation: repeat Midazolam 5 mg IVP/IN Additional doses require OLMC using dosing per the SOP 			
Intubate:			
 □ Maintain O₂ 15 L/EtCO₂ NC during procedure □ When ready to perform procedure: stop ventilating pt.; withdraw OPA (NPA remains) □ Monitor VS, level of consciousness, skin color, ETCO₂; SpO₂ during procedure; time elapsed 			
START TIMING tube placement after last breath			
□ Open mouth w/ standard technique □ *Insert King Vision blade midline over tongue per standard technique until epiglottis is visualized □ *Seat blade in vallecula; DO NOT LIFT! Visualize vocal cords. Suction secretions prn. □ If the distal window becomes obstructed or obscured (e.g., blood/secretions) or cords cannot be visualized, remove the blade from the patient's mouth and clear the lens, suction prn. Note: Each blade insertion into mouth = 1 attempt Limit 2 attempts			
* Insert bougie into trachea per standard technique: If needed, twist bougie to left or right to guide between cords. Avoid forceful insertion (tracheal trauma). *Confirm bougie placement into trachea per standard technique			
*Insert ET tube: Limit 1 attempt at ETT insertion			
 Maintain view with King Vision in place and advance ETT over bougie and through glottis Rotate ETT to facilitate insertion through cords into trachea if resistance met at glottic opening or cricoid ring. Advance ETT to proper depth (3 X tube ID at teeth) 			
 *Remove blade: Firmly hold ETT in place; remove from channel per standard technique Turn off the display by pressing and holding the POWER button. Carefully remove bougie from the ETT. 			
*Confirm tracheal placement: Ensure adequate ventilations + oxygenation: □ 15 L O₂ /BVM at 10 BPM (asthma/COPD 6-8 BPM); volume & pressure just to see chest rise □ 5 point auscultation: Confirm absent gastric sounds + bilateral breath sounds (midaxillary and anterior chest) □ Definitive confirmation: ETCO₂ number & waveform (most reliable) □ Time of tube confirmation: (Seconds of apnea)			
*Troubleshooting			
 □ If breath sounds only on right, withdraw ETT slightly and listen again. □ If in esophagus: remove ETT, re-oxygenate 30 sec; insert an i-gel □ If ETT cannot be placed successfully (2 attempts to visualize cords/1 attempt to pass tube) or nothing can be visualized; consider alternate airway (BIAD); ventilate & monitor as above Consider need for additional medication 			
If tube placed correctly			
 Inflate cuff w/ up to 10 mL air to proper pressure (minimal leak avoid over inflation); remove syringe Note ETT depth: diamond level w/ teeth or gums (3 X ID ETT) 			
 □ Note ETT depth: diamond level w/ teeth or gums (3 X ID ETT) □ *Insert OPA; align ETT with side of mouth; secure with commercial tube holder; apply lateral head immobilization □ *Continue to ventilate at 10 BPM (asthma 6-8); ETCO₂ 35-45; O₂ to SpO₂ 94% (92% COPD) 			
If secretions in tube or gurgling sounds with exhalation: suction ETT prn per procedure			
 Use a flexible suction catheter; mark maximum insertion length (only inserted to the tip of the ETT and never exceed 0.5 cm beyond ETT tip to prevent mucosal irritation and injury) with thumb and forefinger 			
□ *Preoxygenate patient; insert sterile catheter into the ET tube leaving catheter port open			

Performance standard		
0 Step omitted (or leave blank)		Attempt
1 Not yet competent: Unsuccessful; required critical or excess prompting; marginal or inconsistent technique	1 rating	2 rating
2 Successful; competent with correct timing, sequence & technique, no prompting necessary		
 □ At proper insertion depth , cover catheter port and apply suction while withdrawing catheter □ Limit suction application time to 10 sec (adult). Ventilate/oxygenate patient per SOP. 		
*Reassess: Frequently monitor SpO ₂ , EtCO ₂ , tube depth, VS, & lung sounds to detect displacement,		
complications (esp. after pt movement), or condition change. If intubated & deteriorates, consider:		
Displacement of tube, Obstruction of tube, Pneumothorax, Equipment failure (DOPE)		
*After 10 min: Assess need for post invasive airway sedation and analgesia (PIASA) – Use RASS below		
If RASS (-1) or higher & SBP \geq 90 (MAP \geq 65) (in order of preference):		
□ KETAMINE (pain dose) 0.3 mg/kg slow IVP (pain relief + sedation) unless contraindicated		
OLMC NOT needed for ketamine pain dose added to sedation dose that exceeds max total of 300 mg OR		
☐ MIDAZOLAM standard sedation dose + FENTANYL (standard dose) if restless/tachycardic (S&S pain)		
State complications of the procedure:		
*Post-intubation hyper or hypoventilation: Titrate to ETCO ₂		
*Barotrauma: pneumothorax & tension pneumothorax; esophageal perforation		
 □ Trauma to teeth, vocal cords, larynx, trachea, mucosal, TMJ injuries, nerve injury □ *Misplaced tube (esophagus, hypopharynx, mainstem bronchus) □ *Over sedation 		
□ *Peri-intubation Hypoxia (<90% SpO ₂), bradycardia (per age), hypotension (SBP <90 mmHg or		
lowest age-appropriate SBP) or cardiac arrest		
Peri-intubation period is time from sedative given or last PPV to up to 10 minutes post any invasive airway attempt		
Verbalize post-procedure cleaning & disinfection:		
After the procedure is complete, separate the display and video adapter from the blade.		
Dispose of blade per standard protocol and clean/disinfect display and video adapter/l-2 policy.		
*Critical error criteria in addition to starred items: Check if occurred during an attempt		
☐ Failure to ventilate w/in 30 sec if pt apneic or hypoventilating after applying PPE/interrupts		
ventilations for >30 sec at any time ☐ Failure to provide appropriate FiO₂ preox and during peri-intubation period		
☐ Failure to ventilate patient at appropriate rate, volume or pressure: max 2 errors/min permissible		
☐ Failure to successfully intubate within 2 attempts without immediately attempting alternate airway		
Suctions patient excessively or does not suction the patient when needed		
 Exhibits unacceptable affect with patient or other personnel Performs in a way that could cause harm to a pt or is inconsistent with competent care 		
Performs in a way that could cause harm to a pt of is inconsistent with competent care		
Factually document below your rationale for checking any of the above critical criteria.		
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Scoring: All steps must be independently performed in correct sequence with appropriate timing an must be explained/ performed correctly in order for the person to demonstrate compe		
omissions of these items will require additional practice and a repeat assessment of skill		ellois of
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Rating: (Select 1)		
□ Proficient : The practitioner can sequence, perform and complete the performance standards independent	ndently, with	expertise
and to high quality without critical error, assistance or instruction.		
☐ Competent: Satisfactory performance without critical error; minimal coaching needed.		
□ Practice evolving/not yet competent: Did not perform in correct sequence, timing, and/or without procedure manual, and/or critical error; recommend additional practice	prompts, re	mance on
CJM 5/23		
Preceptor (PRII	NI NAME –	signature)
The Richmond Agitation Sedation Scale (RASS)	dan e - d · tt ·	
Assesses level of alertness or agitation Used after placement of ADV airway to avoid over/unc	der-sedation	i
Combative +4 Agitated +2 Alert and calm 0 Light sedation -2 Deep set	dation	-4

Goal: RASS -2 to -3. If higher (not sedated enough) assess for pain, anxiety | Rx appropriately to achieve RASS of -2

Moderate sedation

-3

Unarousable sedation

Drowsy

Restless

+3

Very agitated