

EMET ED Airway
Management
RSI

Learning Objectives

1. You will understand the essential elements of RSI.
2. You will understand the Indications for RSI.
3. You will understand risk assessment for RSI.
4. You will be able to discuss the essential steps of the process for RSI.
5. You will understand basic ventilation strategies.

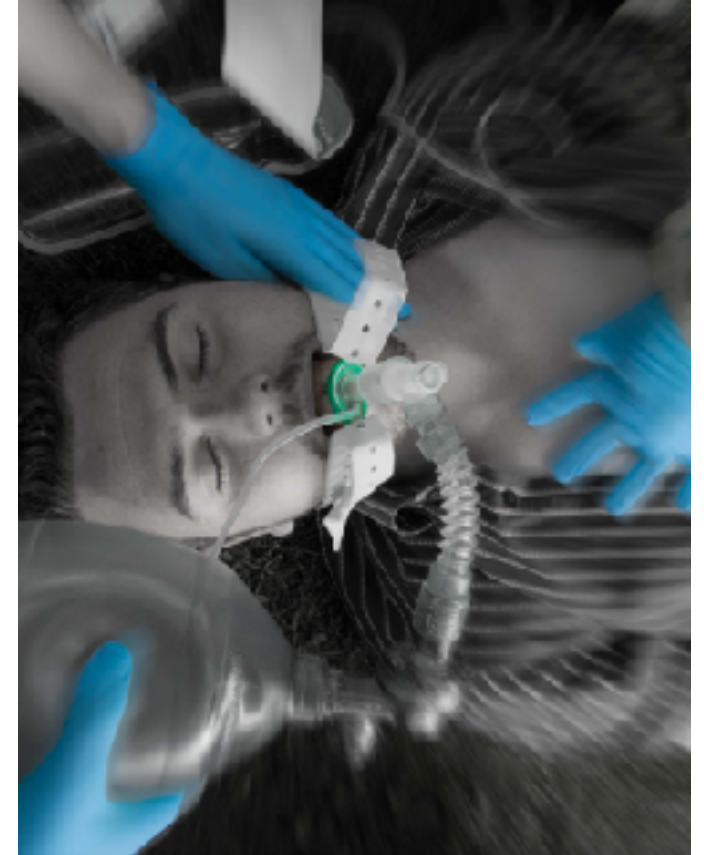
RSI – RAPID SEQUENCE INDUCTION

- RSI is an airway management technique that induces immediate unresponsiveness (induction agent) and paralysis (neuromuscular blocking agent) as the fastest and most effective means of placing an endotracheal tube.
- Avoidance of bag-mask ventilation minimizes the inflation of air into the stomach, which might otherwise provoke regurgitation and aspiration.



RSI Risk

- The cessation of spontaneous ventilation with paralysis involves considerable risk if the provider does not intubate and ventilate the patient in a timely manner.



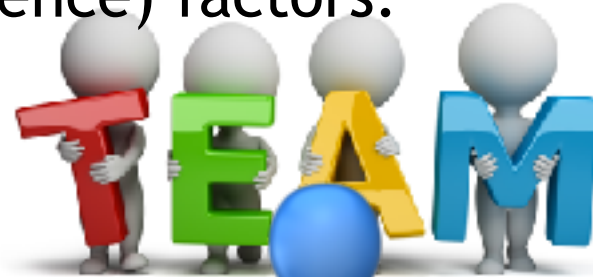
- Complications of Tracheal Intubation/Ventilation include:
 - Oesophageal intubation (tube in wrong place)
 - Accidental extubation (tube fell out)
 - Endobronchial intubation (tube in too far)
 - High airway pressures (blowing the ventilator or bagging too hard!!)
 - Hypotension (several reasons - usually too much drugs)

Indications for RSI

1. **Obtain and maintain** the airway (e.g. in the presence of an irreversible obstructed airway from any cause).
2. **Correct** abnormalities of gas exchange i.e. maintain or improve oxygenation and ventilation.
3. **Protect** the airway (e.g. against aspiration of gastric contents or blood).
4. **Secure** the airway early in the face of predicted clinical deterioration (in one of the previous three situations).
5. **Combative** patient

Indications for RSI

- “Indications” for RSI are rarely absolute, and the imperative to obtain a definitive airway will be determined by the acuity/urgency of the indication, balanced against patient (e.g. difficult anatomy/physiology) and provider (e.g. inexperience) factors.



Urgency

Operator experience,
Patient factors

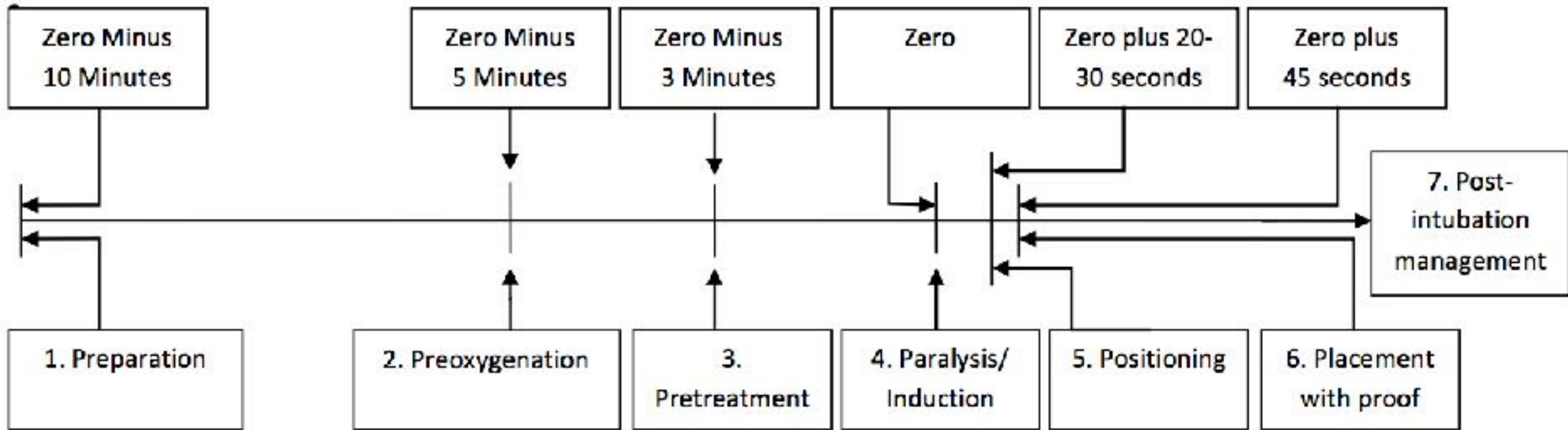


RSI Team

- There should be a minimum of 3 people: an airway proceduralist, an airway assistant and a drug administrator.
- Ideally the team leader should be free of the above roles, so they can devote their attention to monitoring the clinical situation

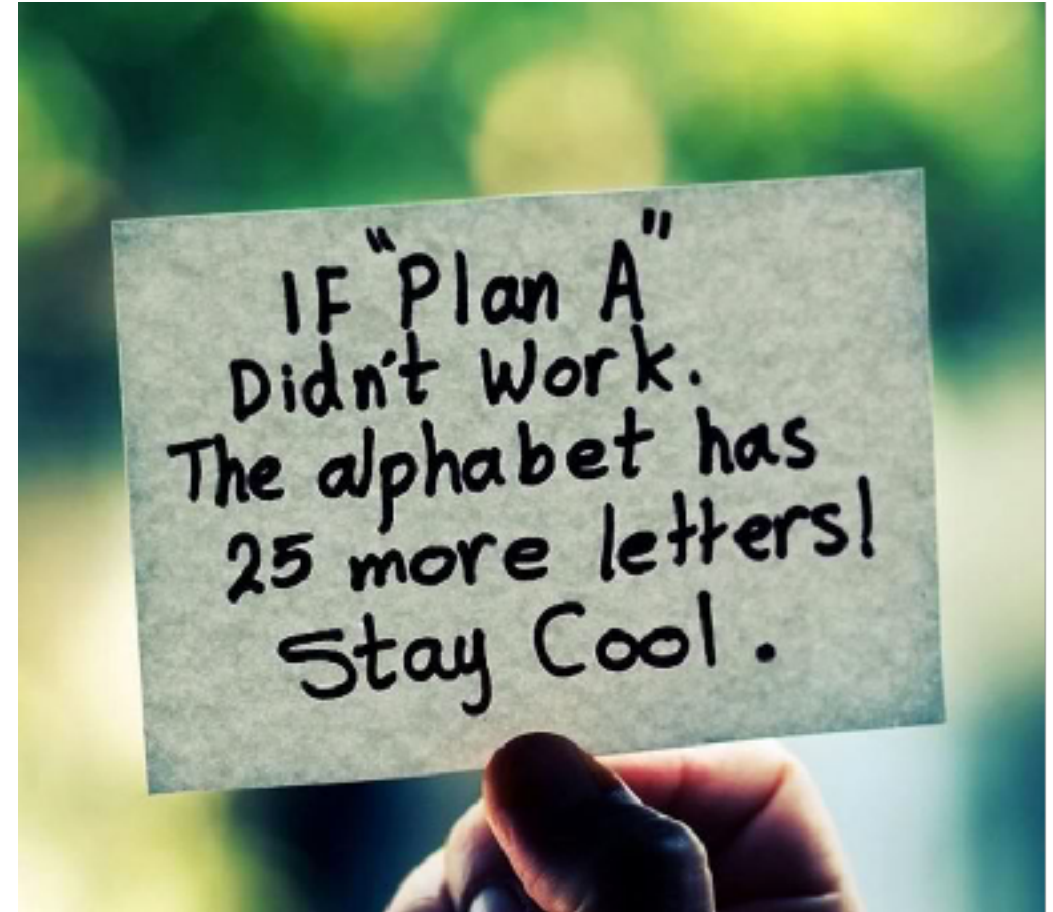


Process of RSI



Preparation

- The goal is to maximise the chance of intubation on the first attempt.
- Failure to identify difficult intubation or ventilation is one of the main causes of failed airway management.
- Even in a normal looking airway, there must be a backup plan for unanticipated difficult airway management.
- The airway plan, including backup plans, need to be clearly articulated to the team.



Southern NSW Local Health District Airway Algorithm

PLAN A
Initial tracheal intubation plan

Most senior MO to perform
Maximum 2 attempts in 2 mins
Re-oxygenate if SpO₂ < 90%
2 person BVM + OPA + NPA
Call for help if PLAN A fails

Direct laryngoscopy



Verify tracheal intubation with EtCO₂

PLAN B
Secondary tracheal intubation plan

Change technique / adjunct aids
Maximum 2 attempts in 2 mins
Re-oxygenate if SpO₂ < 90%

Video laryngoscopy



Verify tracheal intubation with EtCO₂

PLAN C
Maintenance of oxygenation / ventilation

Maximum 2 attempts in 2 mins
PLAN D if SpO₂ < 75%

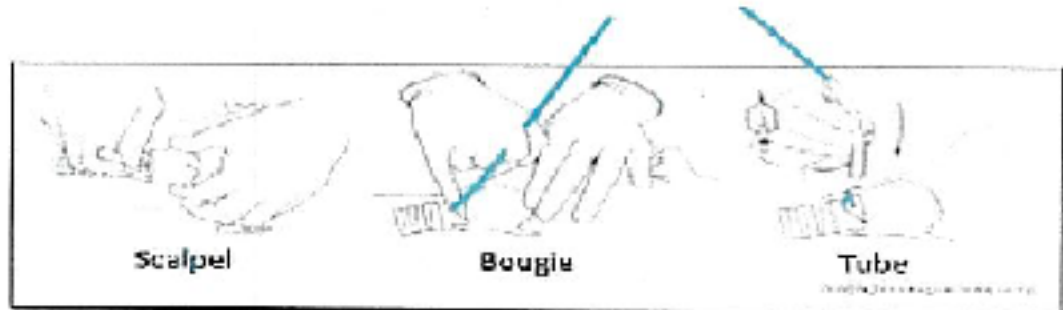
LMA



Get HELP urgently

PLAN D
Rescue techniques for "Can't Intubate, Can't Ventilate" situation

Cricothyroidotomy



Aeromedical Retrieval: Southcare Retrieval: NETS: Local Help:

SURGICAL AIRWAY

CALL FOR HELP



INFORM TEAM



EMERGENCY TROLLEY

Remove pillow & extend neck

Use non-dominant hand to stabilise larynx

Locate cricoid membrane

If cricoid membrane not palpable then make a vertical skin incision of 8 – 10cm and blunt dissect with fingers of both hands

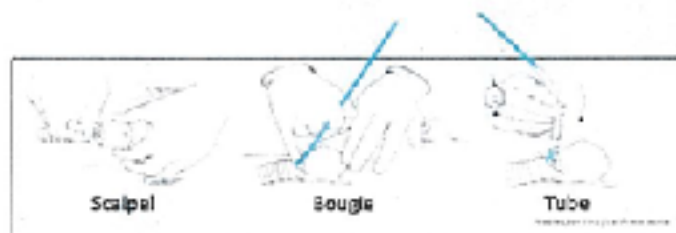
Horizontal incision through cricoid membrane

Rotate blade 90 degrees

Slide bougie along blade into trachea. Remove blade

Railroad size 6.0 cuffed endotracheal tube over bougie, directed down towards the lungs until the cuff disappears

Hold endotracheal tube securely while bougie is removed



Ventilation Guidelines*

- Commence FiO_2 100% but weaning quickly to around 60% to aim for a SpO_2 of 90 - 95%
- Set tidal volume to 6ml/kg AND try to keep peak pressure below 35 cm H_2O
- PEEP 5 cm initially
- Initial respiratory rate 16-20/min
- Once airway is secure ensure adequate analgesia and sedation and if ventilation remains difficult consider ongoing neuromuscular blockade to aid relaxation
- If oxygenation is not the primary reason for intubation, commence FiO_2 at 60% and titrate against SpO_2
- It is appropriate to allow hypercapnia to avoid excessive airway pressures being used, except in head injury
- Beware the patient with a high respiratory rate and tidal volume pre-intubation (eg. severe DKA), where you need a high respiratory and increased tidal volume post intubation to replace the existing high minute volume (eg. 30 breaths/min and TV 10-15ml/kg).
- *ASTHMA – require PEEP = 0 as autoPEEP often present, longer expiratory phase IE ratio of at least 2:1, RR 6 – 10 bpm
- CAUTION when ventilating patients with PNEUMOTHORAX

Out of Theatre Intubation Checklist – SNSWLHD

Complete for all intubations as part of the patient record

Team

Team Leader to clarify roles:

- Airway Proceduralist
- Airway assistant
 - o External laryngeal manipulation
- Drugs / circulation
- Scribe / monitoring
- Manual in-line stabilisation required? (trauma patients)

State airway plan:

- Difficult airway likely?**
(see airway algorithm) Yes No

Plan A

Plan B

Plan C

Plan D

Equipment

- Resus bag & mask with **end-tidal CO₂**, connect & zero
- Oro and nasopharyngeal airway & LMA available
- Prepare:
 - Suction
 - 2 ET tubes
 - 2 laryngoscopes
 - Bougie
 - Check video-laryngoscope (charged & working)
 - Oxylog or ventilator circuit (with HME & corrugated adaptor)
- IVC x 2 patent** + pump set primed
- Allergies?
- Prepare relevant drugs (paralytic, sedation & vasopressors)

Prepare patient

- Optimise patient position**, eg: 'ramping' for obese
 - o Ear to sternal notch
- Apply manual in-line stabilisation if indicated
- Commence effective mask **pre-oxygenation + 15L nasal oxygen** (consider continuing NIV or using HFNC if available)
 - 3 mins via NRB mask or at least 8 breaths via BVM
- Haemodynamics
 - IV fluid bolus
 - Blood products
 - Vasopressor
- Patient Monitoring**
 - EtCO₂
 - NiBP
 - SpO₂
 - ECG

Post intubation

Verbally confirm ETT placement:

- EtCO₂ monitoring**
- Bilateral & symmetrical chest movement
- Bilateral air entry on auscultation
- Secure ETT – state length to teeth
- OGT / NGT (prior to CXR)
- Ventilator settings confirmed
- CXR to confirm position
- ABG attended
- Oxygenation maintained

Oxygenate early

Intubation Record

Patient ID _____

Intubator: _____
 Position: _____
 Mobile / pager no: _____
 Signature: _____

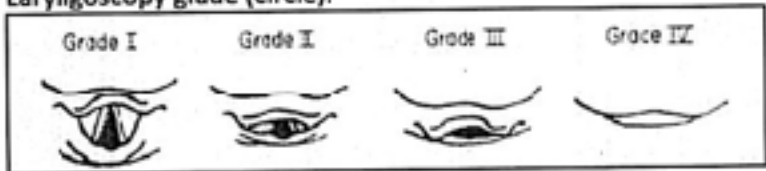
Date: _____
 Medication administered

Allergies / Adverse Drug Reactions:

Medication	Route	Dose	Prescriber Signature + Print name	Given by	Time given

Type of induction: Awake RSI
 Manual inline stabilisation used? Yes No
 Endotracheal tube: Size..... at cm at teeth / gums

Laryngoscopy grade (circle):

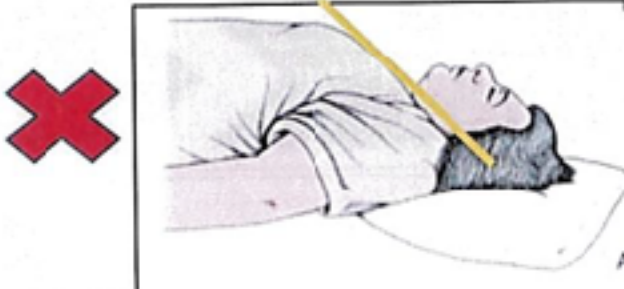


For further assistance contact:
 Aeromedical Retrieval: 1800 650 004
 Southcare Retrieval: 1300 873 711
 NETS: 1300 362 500

Adjuncts used:
 Bougie McCoy blade Video laryngoscopy iLMA
 Other: _____
 Notes (difficult intubation etc): _____



Ear to sternal notch positioning for the obese



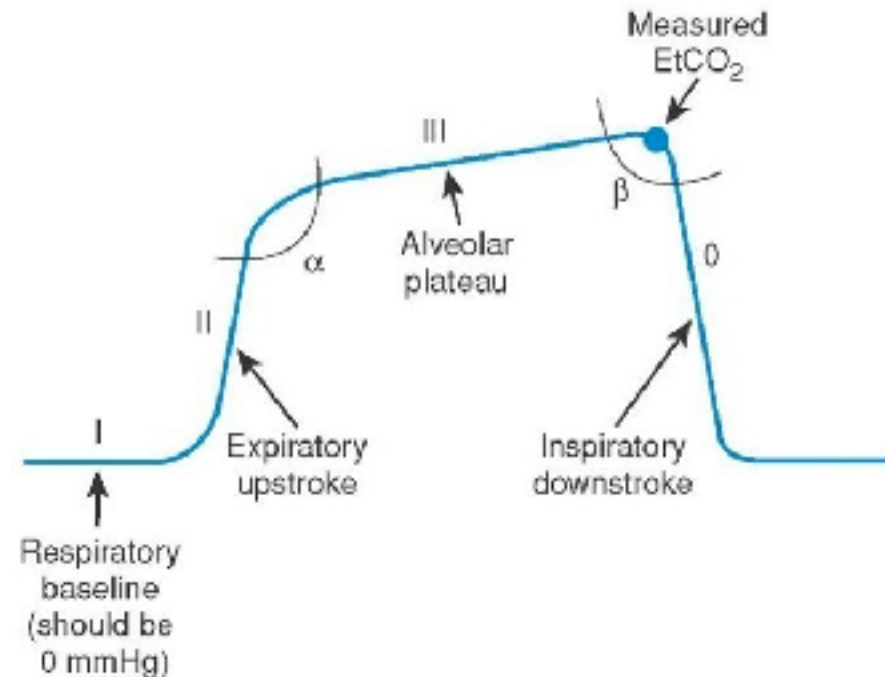
Please complete QARS _____

Preparation

- Suction - at least one working suction, placed securely at head of bed
- Oxygen - NRFM and BVM attached to 15 LPM of O₂ with nasal prongs for apneic oxygenation
- Airways - 7.0 ETT for smaller females, 8.0 for larger males, 7.5 for most patients. Lubed stylet in tube, straight to cuff and bent 35 degrees from proximal end of cuff.
- Pre-oxygenate the patient.
- Prepare equipment = check laryngoscope light and have backups ready (bougie, VL, LMA, surgical cric kit)

Preparation for RSI

- **Monitoring Equipment** - cardiac monitor, sats, BP cuff opposite arm with IV
- **Medications** - induction agent, paralytic, vasopressor drawn up. Patient bolused with crystalloid.
- **End tidal CO₂**



Induction Agents

- Midazolam:
 - Dose: 0.3 mg/kg IV TBW
 - Onset 60 - 90 sec
 - Duration: 15 - 30 min
 - Use: not usually recommended for RSI
 - Drawbacks: respiratory depression, apnea, hypotension, paradoxical agitation, slow onset, variable response



Induction Agents

- Fentanyl
 - Short acting narcotic
 - 100mcg = 10mg morphine =75mg pethidine
 - 50-100mcg induction dose (less in elderly)
 - Cardiac depression if used with nitrous
 - May cause severe hypotension if used with beta or calcium channel blockers
 - Avoid with MAOIs



Induction Agents

- Ketamine:

- Dose: 1-1.5 mg/kg IV (4 mg/kg IM)
- Onset: 60 - 90 sec
- Duration: 10 - 20 min
- Especially in hemodynamically unstable, TBI, reactive airways disease (causes bronchodilation)
- Caution in CV diseases (HTN, tachycardia), laryngospasm rarely, raised intraocular pressure.



Induction Agents

- Propofol:
 - Dose: 1.5 - 2.5 mg/kg TBW
 - ONSET: 15 - 45 secs
 - Duration: 5 - 10 min
 - Use: haemodynamically stable patients, reactive airways disease, status epilepticus
 - Drawbacks: hypotension, myocardial depression, reduced cerebral perfusion, pain on injection, variable response, very short acting.



Paralytic Agents

- Suxamethonium (succinylcholine):
 - Dose: 1.5 mg/kg IV and 4 mg/kg IM (in extremis)
 - Onset: 45 - 60 sec
 - Duration: 6 - 10 min
 - Use: widely used unless contraindicated
 - Drawbacks: hyperkalemia, malignant hyperthermia, bradycardia, fasciculations, elevated intra-ocular pressure.
 - N.B. Will not wear off fast enough to prevent harm in CICV situations



Paralytic Ager

- Rocuronium:

- Dose: 1.2 mg/kg
- Onset: 45 - 60 sec
- Duration: 90 min
- Use: rocuronium appears to have longer safe apnoea times than suxamethonium and has no significant contraindications.



Preoxygenation

- Preoxygenation is the most important component of RSI, especially in a compromised patient.
- Patients who require RSI are often critically ill and will be at high risk of desaturation during induction/ intubation due to factors such as underlying lung pathology, reduced FRC, and high metabolic requirements.
- Ideally, all patients in the ED who require intubation should continue to receive high flow oxygen.

Risk Stratification

Risk category	PreO ₂ period	Onset of muscle relaxation	Apnoeic period during intubation
Low risk SpO ₂ 96–100%	NRB mask with max O ₂ flow rate	NRB mask and nasal O ₂ at 15L/min	Nasal O ₂ at 15L/min
High risk SpO ₂ 91–95%	NRB mask or CPAP or BVM with PEEP valve	NRB mask, CPAP, or BVM with PEEP and nasal O ₂ at 15L/min	Nasal O ₂ at 15L/min
Hypoxemic SpO ₂ <90%	CPAP or BVM with PEEP	CPAP or BVM with PEEP and nasal O ₂ at 15L/min	Nasal O ₂ at 15L/min

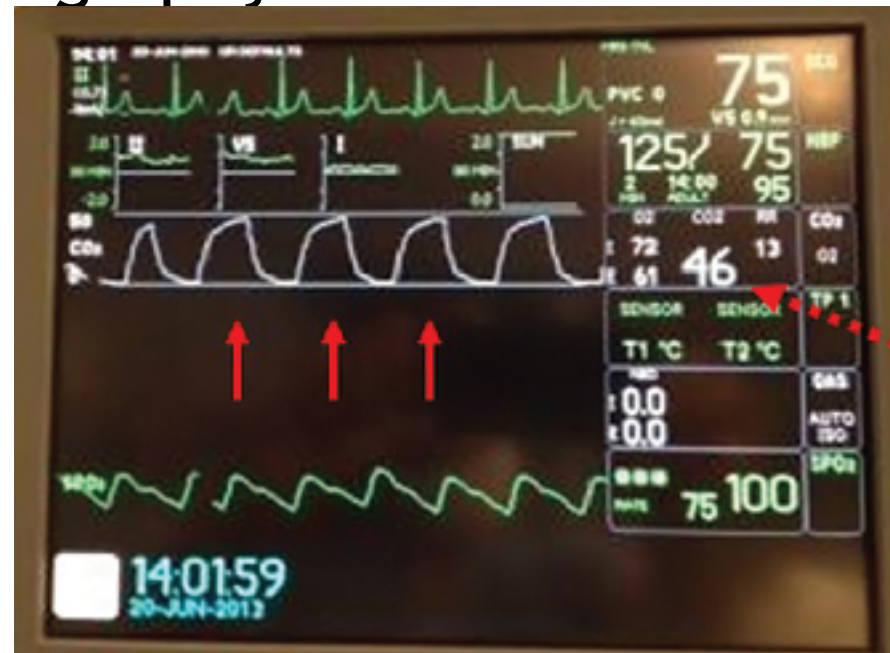
Pretreatment

- Most patients in the ED requiring intubation will benefit from a bolus of IV crystalloid.
- Traditionally, pretreatment included drugs such as atropine, lignocaine, fentanyl and a defasciculating dose of NMB. There is little evidence that any of these are beneficial clinically and they should not be a routine part of clinical practice.



Confirmation of successful intubation

- The most reliable affirmation of intubation is seeing the ETT tip Pass between the vocal cords.
- All endotracheal intubations must be confirmed with quantitative wave-form capnography.



Postintubation

1. Inflate cuff and remove stylet
2. Ensure the ETT is in the trachea at an appropriate depth.
3. BVM ventilation and check ETCO₂. (Set up the ventilator)
4. Recheck vital signs. Post-intubation hypotension is common, and if significant, should be treated with intravenous fluid administration and vasopressor medications.
5. Secure the ETT.
6. CXR to locate the ETT tip in relation to the carina.
7. Paralysis may be initiated, or continued after intubation, if indicated.
8. Appropriate sedative-hypnotic and analgesia must be maintained.
9. ETT cuff pressure can be adjusted to a “minimum leak” position.

George Douros "Owning the Oxylog 3000" video

GUIDE FOR INITIAL SETTINGS FOR PRESSURE CONTROLLED VENTILATION FOR DRAEGER OXYLOG 3000 PLUS

Assumes patient is apneic from sedation & intubated at 30° to avoid tube aspiration.
Recommended for all UNCLIPPED tubes

	LUNG PROTECTIVE STRATEGY (all other patients)	DESTRUCTIVE STRATEGY (bronchectasis/emphysema)																		
Mode	PC-CMV	PC-CMV																		
VT	varies but set in PC mode, see flow	varies with PC mode, see flow																		
RR	12 breaths/min (range 10-16) to normal pCO ₂ /pH	2-8 breaths/min. Use drift from normal. EXPIRATORY FLOW CURVES if breath stacking. \uparrow RR for further 20% permissive hypercapnia (pH > 7.30)																		
PRAGMA	2-5 (2 default, follow instructions below)	2-12 (2 default, follow instructions below)																		
PiO ₂	normal using FiO ₂ /P/F ratio \rightarrow \uparrow FiO ₂ if RR < 10	normal \rightarrow FiO ₂ for SpO ₂ 90-95%																		
PEEP	<table border="1"> <tr> <td>FiO₂</td> <td>0.21</td> <td>0.30</td> <td>0.40</td> <td>0.50</td> <td>0.60</td> <td>0.70</td> <td>0.80</td> <td>0.90</td> </tr> <tr> <td>PEEP</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> </tr> </table>	FiO ₂	0.21	0.30	0.40	0.50	0.60	0.70	0.80	0.90	PEEP	5	5	5	5	5	5	5	5	5 (default)
FiO ₂	0.21	0.30	0.40	0.50	0.60	0.70	0.80	0.90												
PEEP	5	5	5	5	5	5	5	5												
Flow	start at 18 liters (double to VT [l/min/kg] x 24) see chart	start at 20 liters (double to VT [l/min/kg] x 24) see chart																		
IR	1:1.5 (default)	1:1																		
Shape	\downarrow (default)	\downarrow (factor respiratory flow rate)																		
Other	<ul style="list-style-type: none"> If high PEEP results in \uparrow RR, gas fluids & increase keeping P/F as per chart If P/F alarms, check for patient activation, tube obstruction. If not the cause, perform INSPIRATORY HOLD MANOEUVRE (press \rightarrow key) by cycling mode (see manual) 	<ul style="list-style-type: none"> Reduce RR, avoid ongoing therapy If \uparrow RR \rightarrow allow ventilation, decrease rate & allow to expire (tidal volume) If P/F alarms, check for patient activation/ tube obstruction. If not the cause, perform INSPIRATORY HOLD MANOEUVRE (press \rightarrow key) by cycling mode (see manual) 																		

Further modifications depends on hourly AEGs and haemodynamics

Age/ BW	RR (obstructive RR)	VT [l/min/kg]	Systolic BP
Term/ 3.5kg	40-60 (11-12)	20ml	\geq 70
1 month/ 4kg	30-50 (11-12)	20ml	\geq 70
6 month/ 8kg	30-50 (11-12)	40ml	\geq 70
1 year/ 10kg	30-40 (11-12)	60ml	\geq 75
2 years/ 12kg	20-30 (7-9)	70ml	\geq 75
6 years/ 20kg	18 (3)	100ml	\geq 75
8 years/ 25kg	18 (3)	100ml	\geq 75
10 years/ 30kg	18 (3)	100ml	\geq 75
12 years/ 40kg	18 (3)	100ml	\geq 75
14 years/ 50kg	18 (3)	100ml	\geq 75
17 years/ 70kg	18 (3)	100ml	\geq 75

Other patients (i.e. modifications from LUNG PROTECTIVE STRATEGY)

- HEAD INJURY:** too much PEEP can \uparrow ICP and thus \downarrow cerebral perfusion pressure. P/F \geq 5 (default) is OK. 30° head up. Aim for low-normal CO₂.
- METABOLIC ACIDOSIS:** RR \uparrow patient achieved, ETCD₂ \uparrow patient achieved. Lighter sedation to allow patient to add additional breaths as required - add pressure support (Trigger=10, Trigger=2) to these breaths as patient tired.

If patient is crashing...

- Take the ventilator out of the equation - bag the patient to feel how they are to ventilate
- Check the tube - displaced/ dislodged/ obstructed
- Check the patient - pneumothorax - bedside US/ CXR and needle/finger thoracostomy
- Check the ventilator

GUIDE FOR INITIAL SETTINGS FOR VOLUME CONTROLLED VENTILATION FOR DRAEGER OXYLOG 3000 PLUS

Assumes patient is apneic from sedation & intubated at 30° to avoid tube aspiration

	LUNG PROTECTIVE STRATEGY (all other patients + 1yo ifuffed tube)	DESTRUCTIVE STRATEGY (with HA/CO ₂ ifuffed tube + 2yo)																		
Mode	CMV (p/q/b/t)	CMV (p/q/b/t)																		
VT	6-12 (kg ideal body weight) see chart	6-12 (kg ideal body weight) see chart																		
RR	12-16 breaths/min then double to normal pCO ₂ /pH	6-8 breaths/min then double to normal pCO ₂ /pH. If breath stacking, \uparrow RR (min 4 breaths/min) permissive hypercapnia (pH > 7.30)																		
PRAGMA	2-5 (2 default, follow instructions below)	2-12 (2 default, follow instructions below)																		
PiO ₂	normal using FiO ₂ /P/F ratio \rightarrow \uparrow FiO ₂ if RR < 10	normal \rightarrow FiO ₂ for SpO ₂ 90-95%																		
PEEP	<table border="1"> <tr> <td>FiO₂</td> <td>0.21</td> <td>0.30</td> <td>0.40</td> <td>0.50</td> <td>0.60</td> <td>0.70</td> <td>0.80</td> <td>0.90</td> </tr> <tr> <td>PEEP</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> <td>5</td> </tr> </table>	FiO ₂	0.21	0.30	0.40	0.50	0.60	0.70	0.80	0.90	PEEP	5	5	5	5	5	5	5	5	5 (default)
FiO ₂	0.21	0.30	0.40	0.50	0.60	0.70	0.80	0.90												
PEEP	5	5	5	5	5	5	5	5												
Flow	start at 20 liters (double to VT [l/min/kg] x 24) see chart	start at 20 liters (double to VT [l/min/kg] x 24) see chart																		
IR	1:1.5 (default)	1:1																		
AutoFlow ON	Stop \checkmark (default)	Stop \checkmark (factor respiratory flow rate)																		
Other	<ul style="list-style-type: none"> If high PEEP results in \uparrow RR, gas fluids & increase keeping P/F as per chart & increase keeping P/F as per chart If P/F alarms, check for patient activation/ tube obstruction. If not the cause, perform INSPIRATORY HOLD MANOEUVRE (press \rightarrow key) by cycling mode (see manual) 	<ul style="list-style-type: none"> Reduce RR \rightarrow auto triggering possible If \uparrow RR \rightarrow allow ventilation, decrease rate & allow to expire (tidal volume) If P/F alarms, check for patient activation/ tube obstruction. If not the cause, perform INSPIRATORY HOLD MANOEUVRE (press \rightarrow key) by cycling mode (see manual) 																		

Further modifications depends on hourly AEGs and haemodynamics

	60"	67"	74"	81"	88"	95"	102"	109"	116"
VT average [l/min/kg BW]	170	190	210	230	250	270	290	310	330
VT max [l/min/kg BW]	220	240	260	280	300	320	340	360	380

Other patients (i.e. modifications from LUNG PROTECTIVE STRATEGY)

- HEAD INJURY:** too much PEEP can \uparrow ICP and thus \downarrow cerebral perfusion pressure. P/F \geq 5 (default) is OK. 30° head up. Aim for low-normal CO₂.
- METABOLIC ACIDOSIS:** RR \uparrow patient achieved, ETCD₂ \uparrow patient achieved. Lighter sedation to allow patient to add additional breaths as required - add pressure support (Trigger=10, Trigger=2) to these breaths as patient tired.
- IMPROBELY APNEIC:** start VT 10ml and rapidly titrate up until patient tolerating IV CO₂ for 10-15 min
- CARDIOGENIC SHOCK:** avoid high level PEEP as can \uparrow ICP.
- PREGNANCY:** left lateral position. TV: 6-12 (kg ideal body weight). RR: 12-20 bpm aim for low-normal pCO₂ & normal pH.

If patient is crashing...

- Take the ventilator out of the equation - bag the patient to feel how they are to ventilate
- Check the tube - displaced/ dislodged/ obstructed
- Check the patient - pneumothorax - bedside US/ CXR and needle/finger thoracostomy
- Check the ventilator

Dräger

Oxylog 3000

IPPV III Vordruck tief

MV = 0.0 L/min O2 = 100%

mbar	Paw	Trigger [L/min]	AUS
60		PEEP [mbar]	5
45		I:E	1:1.5
30		Tplat [%]	0
15			
0			
0	1	2	3s

Gas-Verbrauch = 0.0 L/min [Progress bar]

Werte
▶▶

Kurven
[Graph icon]

Einstell.
▶▶

Alarme
▶▶

IPPV

SIMV
ASB

CPAP
ASB

BIPAP
ASB

[Bell icon]

Alarm
Reset

O2-
Inhalet.

Insp.
hold

5-15 kg
15-40 kg
> 40 kg

500 1000 2000
VT [mL]

20 40 60
Freq. [1/min]


20 40 60
Pmax [mbar]

60 80 100
O2 [%]

[Large knob]

[Battery icon]

[Power icon]

 Christoph 30
Wolfenbüttel
Notruf 110/112
Tel: 053 31 719 2 25

Mode of Ventilation

- Pressure Control Ventilation (PC SIMV+)
 - i.e. Set pressure / Monitor Volumes
- Volume Control Ventilation (SIMV)
 - i.e. Set Volume / Monitor Pressures

Adjustables on the Ventilator

- Mode - usually SIMV / sometimes PCV
- Tidal Volume (VT) (only in volume control)
- Respiratory (RR)
- FiO₂
- PEEP
- P_{insp} (only in pressure control mode)
- P_{max}
- Slope/inspiratory flow rate -*Patient Comfort*

Ventilation Strategies

- Lung Protection Strategy
 - i.e. all patients that are not obstructive
- Obstructive Strategy
 - asthmatics

Lung Protection Strategy

- Mode - Usually SIMV
- VT - *6-8 ml/kg*
- RR - *16-18*
- Pmax (< or =40)
- FiO₂ and PEEP - *use peep table for stats 88-95%*
- P_{insp} (pressure control mode only start at 20)
- I:E Ratio - *1:1.5 (default)*
- Slope/inspiratory flow rate -*default*

Keep Saturations 88-95% using the PEEP Table

FiO2	.4	.4	.5	.5	.6	.7	.7	.7	.8	.9
PEEP	5	8	8	10	10	10	12	14	14	14

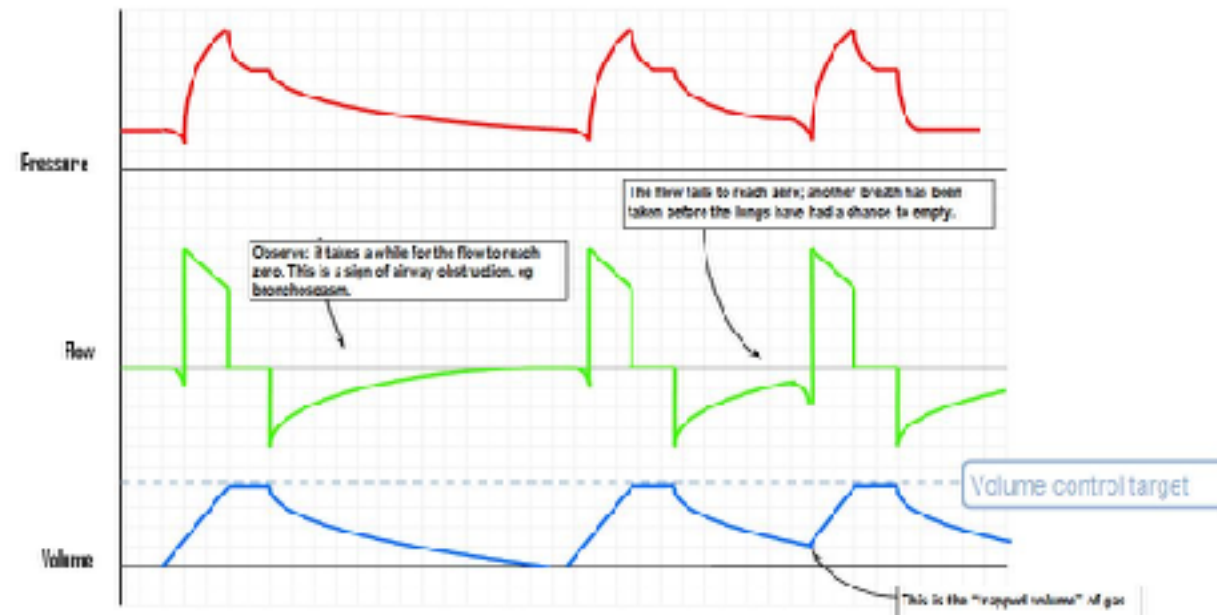
“the strategy helps keeps the alveoli just at the point where recruitment is maintained and avoids barotrauma”

Obstructive Strategy

- Mode - Usually SIMV
- VT - *6-8 ml/kg*
- RR - *6 - 10*
- Pmax (< or =40)
- FiO2 *to maintain sats of 88-95%*
- *Zero PEEP (“ZEEP”)*
- P_{insp} (pressure control mode only start at 20)
- I:E Ratio - *1:4 or 1:5*
- Slope/inspiratory flow rate - *fast*

- Look for gas trapping / auto peep / breath stacking

- Watch flow waves
- Check plateau pressure (if <30 not likely)



- IF PATIENT IS CRASHING.....
 - TAKE OFF THE VENTILATOR AND HAND BAG
 - CHECK TUBE
 - CHECK PATIENT

.....then check ventilator

Summary

1. RSI offers the best chance of success for most airway challenges.
2. The indications and risks of RSI must be understood.
3. Proper preparation is the best way to reduce risk in RSI.
4. RSI is delivered by a team and CRM principles can optimize team performance in high risk situations.
5. Post intubation management is essential.

