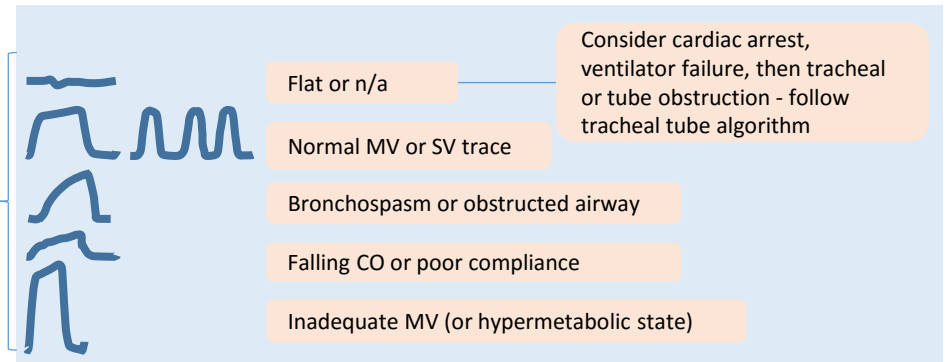


Sudden hypoxia on the ICU – cause not clear

1. Call for help

2. 100 % inspired oxygen

3. Check end tidal CO2 trace



4. Tracheal suction (in-line if present, or use suction catheters)

5. Assess chest movement and listen to chest

Findings	Diagnoses to consider	Management
Obstructed appearance (see-sawing), bilaterally quiet, ↓Expansion & compliance	Consider tracheal or tube obstruction	Follow tracheal tube algorithm. Then consider these:
Quiet & reduced expansion on one side , + reduced compliance	Endobronchial intubation Has ETT moved in further (usually not more than 24cm at teeth)?	<ul style="list-style-type: none"> Consider withdrawing 1-2 cm CXR +/- bronchoscopy
	Pneumothorax or haemothorax Trauma, new line or drain, high ventilation pressure, in-situ chest drain fault.	<ul style="list-style-type: none"> Needle decompression or drain (or resolve drain issue). CXR/CT if stabilises
	Pulmonary haemorrhage Bronchiectasis, abscess, TB, or tumour?	<ul style="list-style-type: none"> Airway specialist and thoracic surgeon involvement. CXR/CT
	Collapse/atelectasis due to sputum, or aspiration	<ul style="list-style-type: none"> Suction (+/- saline) Recruitment breaths with ventilator or bag Consider bronchoscopy
New widespread wheeze +/- reduced compliance	Bronchospasm COPD/asthma Anaphylaxis Aspiration Feeding tube malposition Vomiting Pulmonary oedema New ischaemia Recent fluid bolus	<ul style="list-style-type: none"> Suction ECG/CXR +/- Echo/troponin Consider <ul style="list-style-type: none"> Bronchodilators/steroid Furosemide/nitrate Stop feeding, empty stomach Bronchoscopy
New widespread crackles +/- reduced compliance	Pulmonary oedema New ischaemia Recent fluid bolus Aspiration Feeding tube malposition Vomiting	<ul style="list-style-type: none"> Suction ECG/CXR +/- Echo/troponin Consider <ul style="list-style-type: none"> Furosemide/nitrate Stop feeding, empty stomach Bronchoscopy
Normal breath sounds and compliance	Low cardiac output state MI PE Haemorrhage Tamponade	<ul style="list-style-type: none"> ECG/Echo Assess volume status (?CO monitoring, PPV) FAST/CT