

# EMERGENCY ACTION CARD

## Oxygen Failure

v1.1

Failure of oxygen cylinder or ambulance wall supply

### START: IMMEDIATELY NOTIFY DRIVER, STOP SAFELY

#### 1 Check oxygen cylinder contents (Box B)

- CD / E on trolley
- ZX in ambulance

#### 2 Connect to alternate supply – CD or E cylinder on trolley

#### 3 Change oxygen cylinder

- Turn off cylinder valve before changing / removing regulator (E cylinder)
- Remember ZX has to be moved to be changed

#### 4 Consider adequacy of remaining oxygen reserves for planned transfer

- Recalculate oxygen requirement (Box C)
- Is there a need to:
  - Return to referring hospital
  - Diversion to nearest Emergency Department
  - Expedite journey to receiving hospital

#### 5 Post-transfer

- Do you need to return to base to restock oxygen supply?
- If wall supply failure, report to BAEMS and change vehicle

### Box A: CRITICAL CHANGES

- If problem worsens significantly, or a new problem arises, go back to **START** of Key Basic Plan
- If Transfer Practitioner or Transfer Doctor transfer, contact Remote Duty Consultant
- Consider contacting Leadership SPOC for support, if required

### Box B: OXYGEN CYLINDER CONTENTS

% full	CYLINDER SIZE		
	CD	E	ZX
100%	460L	680L	3040L
50%	230L	340L	1520L
25%	115L	170L	760L

### BOX C: OXYGEN CALCULATOR

- [Link to Retrieve calculator](#)
- **Hamilton ventilator**
  - $((MV + 3) \times (FiO_2 1.0) \times (2 \times \text{remaining transfer time in mins})) = \text{requirement}$