

## DONOR OPTIMISATION CARE BUNDLE – updated 2023

### ADULT

### PLEASE RETURN TO THE DFCS

Referral ID.....Donor No .....Age..... Weight ..... Height .....

#### IMMEDIATELY AFTER DIAGNOSIS OF DEATH

- Perform lung recruitment manoeuvre.
- Set tidal volume to 4-8mls/kg (ideal body weight).
- Set optimum PEEP (5 to 10cm H<sub>2</sub>O).
- Add vasopressin (0.48 to 4U/hr), where vasopressors are required. Wean noradrenaline.

Time of death..... Signed..... Name..... GMC.....

#### WITHIN 1 HOUR OF CONSENT/AUTHORISATION

- Administer methylprednisolone (15mg/kg, maximum 1G).
- Request an ECG.
- Request an echocardiogram.
- Request a CXR – post recruitment manoeuvre.

Time completed..... Signed..... Name..... GMC.....

#### WITHIN 4 HOURS OF CONSENT/AUTHORISATION

- ECG report complete.
- Echocardiogram report complete.
- CXR report complete.
- Site cardiac output monitoring, if able.

Time completed..... Signed..... Name..... GMC.....

#### DRUGS

- Vasopressin 20 units in 50mls 5% dextrose; rate 1.2 to 10mls/hour.
- DDAVP 1 TO 4mcg IV.
- Methylprednisolone 15mg/kg (max 1G).

#### CONTINUOUSLY

- Ensure ongoing lung protective strategy.
- Nurse 30-45 degrees' head up.
- Continue physiotherapy including suctioning.
- Review intravascular fluid status and correct hypovolaemia.
- Wean noradrenaline as able.
- Treat DI with DDAVP.
- Continue NG feed, as directed by SNOD.
- Monitor blood glucose and treat as per unit protocol.
- Monitor serum sodium concentration.
- Continue use of mechanical thromboprophylaxis.
- Ensure prophylactic low molecular weight heparin use.
- Continue hourly observations.
- Maintain normothermia.
- Stop all unnecessary medications.
- If not already present, insert a central line (right sided IJ or SC is preferable).
- Other tests or therapies may be indicated. SNOD to direct.

#### GOALS

PaO<sub>2</sub> ≥ 10 kPa

PaCO<sub>2</sub> 5 – 6.5 kPa

pH >7.25

MAP 60-80 mmHg

U.O. 0.5 – 2 mls/kg/hr

Na < 150 mmol/L

Glucose 4 – 10 mmol/L

Temp 36 – 37.5 °

**ADULT**

Referral ID.....Donor No .....Age..... Weight ..... Height .....

|  | Start | +1hr | +2hr | +4hr | +6hr | +8hr | +10hr | +12hr | +14hr | +16hr | +18hr | +20hr | +22hr | +24hr | +26hr | +28hr |
|--|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>PaO<sub>2</sub> ≥ 10 kPa</b><br>(FiO <sub>2</sub> < 0.4 as able)    |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>PaCO<sub>2</sub> 5 – 6.5 kPa</b><br>(or higher as long as pH >7.25) |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>MAP 60 – 80 mmHg</b>  |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Cardiac index &gt; 2.1 l/min/m<sup>2</sup></b><br>(if applicable)   |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Urine output</b><br><b>0.5 – 2 mls/kg/hr</b>                        |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Temperature 36 – 37.5 °C</b>  |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Blood glucose 4 – 10 mmol/L</b>                                     |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Signature</b>   |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Surname</b>   |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Date</b>  |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |
| <b>Time</b>  |       |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |

PAGE 1 MUST BE PRINTED IN COLOUR

**PLEASE RECORD ACTUAL VALUES**