

## Screening version 1.1

Screeni...(28/28)

Title: Screening

Instructions:

### SCREENING FORM

#### PATIENT IDENTIFICATION

S1 National identification number  [\[info\]](#)

Date of birth  
(ddmmyy)

Site ID

Serial

#### INCLUSION CRITERIA

S2 Acutely admitted to the ICU?  Yes  No [\[info\]](#)

S3 Age  $\geq$  18 years?  Yes  No

S4 Respiratory support in a **closed system** with an  $\text{FiO}_2 \geq 0.50$ ?  Yes  No [\[info\]](#)

S5 Oxygen supplementation through an **open system** with a oxygen flow of  $\geq 10$  L/min?  
*(See definition in info-box)*  Yes  No [\[info\]](#)

S6 Oxygen supplementation in the ICU expected to last for at least 24 hours?  
*(If in doubt of this forecast answer 'YES')*  Yes  No [\[info\]](#)

S7 Intraarterial catheter in place?  Yes  No [\[info\]](#)

#### EXCLUSION CRITERIA

S8 More than 12 hours since admission to the ICU?  Yes  No [\[info\]](#)

S9 Chronic mechanical ventilation?  Yes  No [\[info\]](#)

S10 Use of home oxygen supplementation?  Yes  No [\[info\]](#)

S11 Previously treated with bleomycin?  Yes  No [\[info\]](#)

S12 Solid organ transplant planned or conducted during current hospitalisation?  Yes  No [\[info\]](#)

S13	Withdrawal from active therapy or brain death deemed imminent?	<input type="radio"/> Yes <input type="radio"/> No
S14	Known pregnancy?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>
S15	Poisoned with carbon monoxide, cyanide or paraquat?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>
S16	Methaemoglobinaemia?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>
S17	Sickle cell disease?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>
S18	Condition expected to involve the use of hyperbaric oxygen treatment (HBO)?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>
S19	Consent according to national regulations NOT obtainable?	<input type="radio"/> Yes <input type="radio"/> No <a href="#">[info]</a>

## STRATIFICATION VARIABLES

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S20	Name of the patient	<input type="text"/>	<a href="#">[info]</a>
S21	Chronic obstructive pulmonary disease (COPD)?	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">[info]</a>
S22	Active haematological malignancy?	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">[info]</a>
S23	Site ID	<input type="text"/>	
S24	Participant randomised to	<input type="text"/>	
S25	Randomisation timestamp	<input type="text"/>	

Baseline (44/44)

Title: Baseline

Instructions:

**BASELINE FORM**

**General Patient Information**

B1 Sex?  Male  Female [\[info\]](#)

B2 Hospital admission date?  [\[calendar\]](#) (dd-mm-yyyy) [\[info\]](#)

B3 ICU admission date?  [\[calendar\]](#) (dd-mm-yyyy) [\[info\]](#)

B4 ICU admission time?  (hh:mm, 24 hours format) [\[info\]](#)

B5 ICU admission was directly from the operating or recovery room after surgery?  Yes  No

B5a Type of surgery leading to ICU admission?  Elective  Acute [\[info\]](#)

B6 Patient height?  cm  feet / inches  (cm)  (feet)  (inches) [\[info\]](#)  
Choose unit first

**Respiratory Support**

B7 Type of closed respiratory support system at randomisation?  Invasive MV  NIV or CPAP [\[info\]](#)

B7a TV at randomisation?  (mL) [\[info\]](#)

B7b PEEP at randomisation?  (cmH<sub>2</sub>O) [\[info\]](#)  Not Available

B7c P<sub>peak</sub> at randomisation?  (cmH<sub>2</sub>O) [\[info\]](#)

B7d EPAP or CPAP pressure at randomisation?  (cmH<sub>2</sub>O) [\[info\]](#)

**Arterial Blood Gas  
before randomisation**

B8 PaO<sub>2</sub> in the last ABG before randomisation?  kPa  mmHg  [\[info\]](#)  Not Available

B9 SaO<sub>2</sub> in the last ABG before randomisation?  (%) [\[info\]](#)  Not Available

B10 p-lactate in the last ABG before randomisation?  (mmol/L) [\[info\]](#)  Not Available

B11 FiO<sub>2</sub> at the time of the last ABG?  [\[info\]](#)

**Acute Illness**

B12 Pneumonia?  Yes  No [\[info\]](#)

B13 Multiple trauma?  Yes  No [\[info\]](#)

B14 Stroke (haemorrhagic or ischaemic)?  Yes  No [\[info\]](#)

B15 Traumatic brain injury?  Yes  No [\[info\]](#)

B16 Myocardial infarction?  Yes  No [\[info\]](#)

EX1 Cardiac arrest before randomisation?  Yes  No [\[info\]](#)

B17 Intestinal ischaemia?  Yes  No [\[info\]](#)

B18 ARDS at randomisation?  Yes  No [\[info\]](#)

### SOFA (Sequential Organ Failure Assessment) Score

B19 Lowest Glasgow coma score in the 24 hours prior to randomisation?  [\[info\]](#)  
*If sedated, estimate the last score before sedation. If unknown write 15*

B20 Lowest MAP in 24 hours prior to randomisation?  (mmHg) [\[info\]](#)

B21 Use of dobutamine, milrinone and/or levosimendan within 24 hours before the randomisation?  Yes  No [\[info\]](#)

B22 Use of any continuous infusion of vasopressors in the 24 hours prior to randomisation?  Yes  No [\[info\]](#)

B22a Highest dose of dopamine in the 24 hours prior to randomisation?  ( $\mu\text{g}/\text{kg}/\text{min}$ ) [\[info\]](#)  
*If dopamine has not been used write 0*

B22b Highest dose of norepinephrine (noradrenalin) in the 24 hours prior to randomisation?  ( $\mu\text{g}/\text{kg}/\text{min}$ ) [\[info\]](#)  
*If norepinephrine has not been used write 0*

B22c Highest dose of epinephrine (adrenalin) in the 24 hours prior to randomisation?  ( $\mu\text{g}/\text{kg}/\text{min}$ ) [\[info\]](#)  
*If epinephrine has not been used write 0*

B23 Highest concentration of bilirubin in 24 hours prior to randomisation?  ( $\mu\text{mol}/\text{L}$ ) [\[info\]](#)  Not Available

B24 Lowest concentration of platelets in 24 hours prior to randomisation?  ( $\times 10^9/\text{L}$ ) [\[info\]](#)  Not Available

B25 Urinary output in the 24 hours prior to randomisation?  (mL) [\[info\]](#)  Not Available  
*If urine volume is measured for a short period MULTIPLY TO GET TOTAL OUTPUT IN 24 hours!*

B26 Highest creatinine in the 24 hours prior to randomisation?  ( $\mu\text{mol}/\text{L}$ ) [\[info\]](#)  Not Available

### Chronic Co-morbidities

B27 History of ischaemic heart disease?  Yes  No [\[info\]](#)

B28 Chronic heart failure?  Yes  No [\[info\]](#)

B29 Active metastatic cancer?  Yes  No [\[info\]](#)

B30 Chronic dialysis?  Yes  No [\[info\]](#)

B30a Habitual creatinine level > 110  $\mu\text{mol}/\text{L}$ ?  Yes  No [\[info\]](#)

Daily F...(42/42)

Title: Daily Form

Instructions:

**DAILY FORM**

**Time Span**

Site ID

Day start date:  Day start time:

Day end date:  Day end time:

**Respiration**

D1 Respiratory support on this day?  Yes  No [\[info\]](#)

D1a Use of mechanical ventilation in **prone position** in the ICU on this day?  Yes  No [\[info\]](#)

D1b Use of **inhaled vasodilators** during mechanical ventilation on this day?  Yes  No [\[info\]](#)

D1c Use of **ECMO** in the ICU on this day?  Yes  No [\[info\]](#)

**06:00h to 18:00h**

D2 Highest PaO<sub>2</sub> from 06:00h to 18:00h?  kPa  mmHg  [\[info\]](#)  Not Available

D2a SaO<sub>2</sub> in the ABG with the **highest** PaO<sub>2</sub> from 06:00h to 18:00h  (%) [\[info\]](#)

D2b FiO<sub>2</sub> at the time of the ABG with the **highest** PaO<sub>2</sub> from 06:00h to 18:00h  [\[info\]](#)

D3 Lowest PaO<sub>2</sub> from 06:00h to 18:00h?  kPa  mmHg  [\[info\]](#)

D3a SaO<sub>2</sub> in the ABG with the **lowest** PaO<sub>2</sub> from 06:00h to 18:00h  (%) [\[info\]](#)

D3b FiO<sub>2</sub> at the time of the ABG with the **lowest** PaO<sub>2</sub> from 06:00h to 18:00h  [\[info\]](#)

**ABGs**

D6 Total number of ABGs on this day?  [\[info\]](#)

**Respiratory status 08:00**

D7 Did the patient receive respiratory support at 08:00h on this day?  Yes  No [\[info\]](#)

D7a Type of respiratory support at 08:00h?  Invasive MV  NIV or CPAP [\[info\]](#)

D7a1TV at 08:00h?  (mL) [\[info\]](#)

D7a2PEEP at 08:00h?  (cmH<sub>2</sub>O) [\[info\]](#)  Not Available

D7a3P<sub>peak</sub> at 08:00h?  (cmH<sub>2</sub>O) [\[info\]](#)

D7a4EPAP or CPAP pressure at 08:00h?  (cmH<sub>2</sub>O) [\[info\]](#)

## Remaining organ systems

D8 Highest p-lactate on this day?  (mmol/L) [\[info\]](#)  Not Available

D9 Circulatory support (infusion of vasopressor/inotropes) on this day?  Yes  No [\[info\]](#)

D10 Renal replacement therapy on this day?  Yes  No [\[info\]](#)

D11 New myocardial ischaemia on this day?  Yes  No [\[info\]](#)

D11a Was this myocardial ischaemia related to the allocated oxygenation target?  Yes, related  Possibly related  No, not related


D12 Cerebral CT or MR scan on this day with signs of **new** ischaemic stroke?  Yes  No [\[info\]](#)

D12a Was this ischaemic stroke related to the allocated oxygenation target?  Yes, related  Possibly related  No, not related

D13 New intestinal ischaemia on this day?  Yes  No [\[info\]](#)

D13a Was this intestinal ischaemia related to the allocated oxygenation target?  Yes, related  Possibly related  No, not related

D14 Number of units of red blood cells transfused on this day?  (Units) [\[info\]](#)

<b>Withdra...(5/5)</b>	
<b>Title: Withdrawal</b>	
Instructions:	
<b>WITHDRAWAL FORM</b>	
<b>WITHDRAWAL FROM INTERVENTION AND/OR DATA REGISTRATION</b>	
W1 Date of withdrawal?	<input type="text"/>  (dd-mm-yyyy)
W2 Time of withdrawal? (24 hours)	<input type="text"/> (hh:mm)
W3 Reason for withdrawal?	<input type="radio"/> SUSAR <a href="#">[info]</a> <input type="radio"/> Consent not given or withdrawn
W3a Who is not giving or withdrawing consent?	<input type="radio"/> Relative/next of kin/guardian not giving or withdrawing consent <input type="radio"/> Patient not giving or withdrawing consent
W3b Will further daily data be registered?	<input type="radio"/> Yes <input type="radio"/> No

## Discharge and readmission version 1.0

Discharge and readmission						
Title: Discharge and readmission						
Instructions:						
DISCHARGE AND READMISSION FORM						
Date of ICU readmission (dd-mm-yyyy)	Time of ICU readmission (hh:mm, 24 hours format)	Date of ICU discharge (dd-mm-yyyy)	Time of ICU discharge (hh:mm, 24 hours format)	Patient discharged to <a href="#">[info]</a>	Has the patient been enrolled in other interventional trials during this ICU admission	Patient transferred to site Id
		<input type="text"/>	<input type="text"/>	<input type="radio"/> General Ward <input type="radio"/> ICU participating in HOT-ICU trial <input type="radio"/> ICU not participating in HOT-ICU trial <input type="radio"/> Home (including nursing homes and similar) <input type="radio"/> Dead	<input type="radio"/> Yes <input type="radio"/> No	<input type="text"/>
<input type="text"/>	<input type="text"/>					<input type="text"/>



## Follow-Up 90 days version 1.0

Follow-...(6/10)

Title: Follow-up 90 days

Instructions:

### 90 DAYS FOLLOW-UP

F0 Date of follow-up  Calculated as 90 days after randomisation

F1 Discharged from hospital within 90 days?  
 Yes [\[info\]](#)  
 No

F1a Date of discharge from hospital?   (dd-mm-yyyy)

F1b Readmitted to hospital within 90 days?  
 Yes [\[info\]](#)  
 No

F1b1Days in hospital during readmission(s)?  (days) [\[info\]](#)

F2 Renal replacement therapy **outside** the ICU in the 90 days of follow-up?  
 Yes [\[info\]](#)  
 No

F2a Date of last renal replacement therapy **outside** the ICU?   (dd-mm-yyyy) [\[info\]](#)

F2a1  Renal replacement therapy ongoing at 90-day follow-up

F3 Did the patient die within 90 days of follow-up?  
 Yes [\[info\]](#)  
 No

F3a Date of death?   (dd-mm-yyyy)

## Follow-Up 1 year version 1.0

### Follow-Up 1 year

Title: Follow-up 1 year

Instructions:

### 1 YEAR FOLLOW-UP

F4 Date of follow-up  Calculated as 365 days after randomisation

### Mortality

F5 Was the patient dead at one-year follow-up?  Yes [\[info\]](#)  
 No

### EuroQol

F6 Lost to EuroQol follow-up?  Yes [\[info\]](#)  
 No

F7 Date of EQ-5D-5L and EQ-VAS interviews  

F8 EQ-5D-5L score **Mobility?** [\[info\]](#)  
 I have no problems in walking about  
 I have slight problems in walking about  
 I have moderate problems in walking about  
 I have severe problems in walking about  
 I am unable to walk about  
 The answer is not obtainable

F9 EQ-5D-5L score **Self-care?** [\[info\]](#)  
 I have no problems with washing or dressing myself  
 I have slight problems with washing or dressing myself  
 I have moderate problems with washing or dressing myself  
 I have severe problems with washing or dressing myself  
 I am unable to wash or dress myself  
 The answer is not obtainable

F10 EQ-5D-5L score **Usual activities?** [\[info\]](#)  
 I have no problems doing my usual activities  
 I have slight problems doing my usual activities  
 I have moderate problems doing my usual activities  
 I have severe problems doing my usual activities  
 I am unable to do my usual activities  
 The answer is not obtainable

F11 EQ-5D-5L score **Pain/discomfort?** [\[info\]](#)  
 I have no pain or discomfort  
 I have slight pain or discomfort  
 I have moderate pain or discomfort  
 I have severe pain or discomfort  
 I have extreme pain or discomfort  
 The answer is not obtainable

F12 EQ-5D-5L score **Anxiety/depression?** [\[info\]](#)  
 I am not anxious or depressed  
 I am slightly anxious or depressed  
 I am moderately anxious or depressed  
 I am severely anxious or depressed  
 I am extremely anxious or depressed  
 The answer is not obtainable

F13 EQ-VAS score (1-100)?  [\[info\]](#)