

Screening version 1.1

Screeni...(28/28)					
Title: Screening					
Instructions:					
SCREENING FORM					
PATIENT IDENTIFICATION					
S1 National identification number	<input type="text"/> [info]				
Date of birth (ddmmyy)	<input type="text"/>	Site ID	<input type="text"/>	Serial	<input type="text"/>
INCLUSION CRITERIA					
S2 Acutely admitted to the ICU?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S3 Age \geq 18 years?	<input type="radio"/> Yes <input type="radio"/> No				
S4 Respiratory support in a closed system with an $\text{FiO}_2 \geq 0.50$?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S5 Oxygen supplementation through an open system with a oxygen flow of ≥ 10 L/min? <i>(See definition in info-box)</i>	<input type="radio"/> Yes <input type="radio"/> No [info]				
S6 Oxygen supplementation in the ICU expected to last for at least 24 hours? <i>(If in doubt of this forecast answer 'YES')</i>	<input type="radio"/> Yes <input type="radio"/> No [info]				
S7 Intraarterial catheter in place?	<input type="radio"/> Yes <input type="radio"/> No [info]				
EXCLUSION CRITERIA					
S8 More than 12 hours since admission to the ICU?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S9 Chronic mechanical ventilation?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S10 Use of home oxygen supplementation?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S11 Previously treated with bleomycin?	<input type="radio"/> Yes <input type="radio"/> No [info]				
S12 Solid organ transplant planned or conducted during current hospitalisation?	<input type="radio"/> Yes <input type="radio"/> 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 [info]
S15	Poisoned with carbon monoxide, cyanide or paraquat?	<input type="radio"/> Yes <input type="radio"/> No [info]
S16	Methaemoglobinaemia?	<input type="radio"/> Yes <input type="radio"/> No [info]
S17	Sickle cell disease?	<input type="radio"/> Yes <input type="radio"/> No [info]
S18	Condition expected to involve the use of hyperbaric oxygen treatment (HBO)?	<input type="radio"/> Yes <input type="radio"/> No [info]
S19	Consent according to national regulations NOT obtainable?	<input type="radio"/> Yes <input type="radio"/> No [info]
STRATIFICATION VARIABLES		
<hr/>		
S20	Name of the patient	<input type="text"/> [info]
S21	Chronic obstructive pulmonary disease (COPD)?	<input type="radio"/> Yes <input type="radio"/> No [info]
S22	Active haematological malignancy?	<input type="radio"/> Yes <input type="radio"/> No [info]
S23	Site ID	<input type="text"/>
S24	Participant randomised to	<input type="text"/>
S25	Randomisation timestamp	<input type="text"/>

Baseline (0/47)

Title: Baseline

Instructions:

BASELINE FORM

General Patient Information

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

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

B3 ICU admission date? (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? (cmH₂O) [\[info\]](#) Not Available

B7c P_{peak} at randomisation? (cmH₂O) [\[info\]](#)

B7d EPAP or CPAP pressure at randomisation? (cmH₂O) [\[info\]](#)

Arterial Blood Gas before randomisation

B8 PaO₂ in the last ABG before randomisation? kPa mmHg *Choose unit first* [\[info\]](#) Not Available

B9 SaO₂ in the last ABG before randomisation? (%) [\[info\]](#) Not Available

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

B11 FiO₂ 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? [\[info\]](#) Estimated

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) [\[info\]](#) Estimated < 200 ml

If urine volume is measured for a short period MULTIPLY TO GET TOTAL OUTPUT IN 24 hours!

Estimated 200-500 ml

Estimated > 500 ml

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 [\[info\]](#) Estimated

Daily F...(0/42)

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 PaO₂ from 06:00h to 18:00h? kPa mmHg [\[info\]](#) Not Available
- D2a SaO₂ in the ABG with the **highest** PaO₂ from 06:00h to 18:00h (%) [\[info\]](#)
- D2b FIO₂ at the time of the ABG with the **highest** PaO₂ from 06:00h to 18:00h [\[info\]](#)
- D3 Lowest PaO₂ from 06:00h to 18:00h? kPa mmHg [\[info\]](#)
- D3a SaO₂ in the ABG with the **lowest** PaO₂ from 06:00h to 18:00h (%) [\[info\]](#)
- D3b FIO₂ at the time of the ABG with the **lowest** PaO₂ from 06:00h to 18:00h [\[info\]](#)

18:00h to 06:00h

- D4 Highest PaO₂ from 18:00h to 06:00h? kPa mmHg [\[info\]](#) Not Available
- D4a SaO₂ in the ABG with the **highest** PaO₂ from 18:00h to 06:00h (%) [\[info\]](#)
- D4b FIO₂ at the time of the ABG with the **highest** PaO₂ from 18:00h to 06:00h [\[info\]](#)
- D5 Lowest PaO₂ from 18:00h to 06:00h? kPa mmHg [\[info\]](#)
- D5a SaO₂ in the ABG with the **lowest** PaO₂ from 18:00h to 06:00h (%) [\[info\]](#)
- D5b FIO₂ at the time of the ABG with the **lowest** PaO₂ from 18:00h to 06:00h [\[info\]](#)

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? (cmH₂O) [info] Not Available

D7a3P_{peak} at 08:00h? (cmH₂O) [info]

D7a4EPAP or CPAP pressure at 08:00h? (cmH₂O) [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]

D11aWas 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]

D12aWas 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]

D13aWas 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]

Withdra...(5/5)	
Title: Withdrawal	
Instructions:	
WITHDRAWAL FORM	
WITHDRAWAL FROM INTERVENTION AND/OR DATA REGISTRATION	
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 [info] <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 [info]	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 1.2

Follow-...(0/13)	
Title: Follow-up 1 year	
Instructions:	
1 YEAR FOLLOW-UP	
F4 Date of follow-up	<input type="text"/> Calculated as 365 days after randomisation
Mortality	
F5 Was the patient dead at one-year follow-up?	<input type="radio"/> Yes [info] <input type="radio"/> No
EuroQol	
F6 Lost to EuroQol follow-up?	<input type="radio"/> Yes [info] <input type="radio"/> No
F6a Reason for lost to EuroQol follow-up	<input type="radio"/> Unable to get hold of the patient <input type="radio"/> Patient did not wish to participate <input type="radio"/> Other
F6b Please specify other reason	<input type="text"/>
F7 Date of EQ-5D-5L and EQ-vas interviews	<input type="text"/> 
F8 EQ-5D-5L score Mobility ?	<input type="radio"/> I have no problems in walking about [info] <input type="radio"/> I have slight problems in walking about <input type="radio"/> I have moderate problems in walking about <input type="radio"/> I have severe problems in walking about <input type="radio"/> I am unable to walk about <input type="radio"/> The answer is not obtainable
F9 EQ-5D-5L score Self-care ?	<input type="radio"/> I have no problems with washing or dressing myself [info] <input type="radio"/> I have slight problems with washing or dressing myself <input type="radio"/> I have moderate problems with washing or dressing myself <input type="radio"/> I have severe problems with washing or dressing myself <input type="radio"/> I am unable to wash or dress myself <input type="radio"/> The answer is not obtainable
F10 EQ-5D-5L score Usual activities ?	<input type="radio"/> I have no problems doing my usual activities [info] <input type="radio"/> I have slight problems doing my usual activities <input type="radio"/> I have moderate problems doing my usual activities <input type="radio"/> I have severe problems doing my usual activities <input type="radio"/> I am unable to do my usual activities <input type="radio"/> The answer is not obtainable
F11 EQ-5D-5L score Pain/discomfort ?	<input type="radio"/> I have no pain or discomfort [info] <input type="radio"/> I have slight pain or discomfort <input type="radio"/> I have moderate pain or discomfort <input type="radio"/> I have severe pain or discomfort <input type="radio"/> I have extreme pain or discomfort <input type="radio"/> The answer is not obtainable
F12 EQ-5D-5L score Anxiety/depression ?	<input type="radio"/> I am not anxious or depressed [info] <input type="radio"/> I am slightly anxious or depressed <input type="radio"/> I am moderately anxious or depressed <input type="radio"/> I am severely anxious or depressed <input type="radio"/> I am extremely anxious or depressed <input type="radio"/> The answer is not obtainable
F13 EQ-VAS score (1-100)?	<input type="text"/> [info]
F14 EuroQol follow-up conducted by proxy?	<input type="radio"/> Yes [info] <input type="radio"/> No