

# Place in Site Master File #9a

# Instruction for the HOT-ICU trial - eligibility

## **Inclusion criteria**

- ✓ Acute admission to the ICU, and
- Aged 18 years or above, and
- ✓ One of the following:
  - Respiratory support in a closed system with an FiO₂ ≥ 0.50
    (Closed systems: invasive mechanical ventilation, non-invasive ventilation or CPAP)
  - Oxygen supplementation in an open system with an oxygen flow ≥ 10 litres pr.
    minute

(Open System: Any oxygen supplementation which is not defined as a closed system in the above. Includes high-flow systems)

and

- ✓ Oxygen supplementation in the ICU expected to last ≥ 24 hours. When in doubt of this forecast the patient should be enrolled
- ✓ Intra-arterial catheter in place



#### **Exclusion criteria**

#### > 12 hours since ICU admission

(If the patient was transferred directly from another ICUm the 12 hour period start at the time of admission to the first ICU)

#### Chronic mechanical ventilation

(Invasive mechanical ventilation, continous non-invasive ventilation or continous mask-CPAP. Nocturnal CPAP or non-invasive ventilation due to sleep apnea and/or obesity hypoventilation syndrome is not regarded as chronic mechanical ventilation)

#### Use of home oxygen

(Any daily prescribed supplementary oxygen inhalation given continuously, in daytime or nocturnally)

#### Previous treatment with bleomycin

(Any history of bleomycin treatment documented in the patient charts)

#### Organ transplant during current hospital admission

(Any kind of solid organ transplant is planned or has been conducted)

#### Withdrawal from active therapy or brain death deemed imminent

#### Fertile woman with positive urine or plasma hCG

(In all fertile woman < 50 years of age, a negative hCG-test must be present before screening)

#### Carbon monoxide poisoning

(Confirmed by an arterial or venous blood carboxyhaemoglobin > 3% for nonsmokers and > 10% for active smokers during current hospitalisation

#### Cyanide poisoning

(If suspected by the clinicians during current hospitalisation and documented in the patient charts)

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#### × Paraquat poisoning

(If suspected by the clinicians during current hospitalisation and documented in the patient charts)

### × Methaemoglobinaemia

(A confirmed arterial or venous blood methaemoglobin > 8% during current hospitalisation)

#### Sickle cell disease

(Any history of sickle cell disorder documented in patient charts or the presence of haemoglobin S (HbS) in an arterial or a venous blood sample)

# × Expected use of hyperbaric oxygen treatment

(Confirmed by an arterial or venous blood carboxyhaemoglobin > 3% for nonsmokers and > 10% for active smokers during current hospitalisation

#### Consent according to national regulations not obtainable

#### Previously randomised into the HOT-ICU trial

(Previously screened patients are eligible if they were never randomised)

