

COVID STEROID 2 trial synopsis

Higher vs. Lower Doses of Dexamethasone in Patients with COVID-19 and
Severe Hypoxia:
the COVID STEROID 2 trial
To assess the effects of higher (12 mg) vs lower doses (6 mg) of
intravenous dexamethasone on the number of days alive without life-
support in adult patients with COVID-19 and severe hypoxia.
International, parallel-group, centrally randomised, stratified, blinded,
clinical trial.
Adult patients with COVID-19 and severe hypoxia
Dexamethasone 12 mg once daily for up to 10 days will be given as bolus
injection in addition to standard care.
Dexamethasone 6 mg once daily for up to 10 days will be given as bolus
injection in addition to standard care.
Primary outcome
Days alive without life support (i.e. mechanical ventilation, circulatory
support, or renal replacement therapy) at day 28
Secondary outcomes
- Serious adverse reactions (new episode of septic shock, invasive fungal
infection, clinically important gastrointestinal bleeding, or anaphylactic
reaction to dexamethasone) at day 28
- Days alive without life support at day 90
- Days alive and out of hospital at day 90
- All-cause mortality at day 28, day 90 and day 180
- Health-related quality of life at day 180
Adult patients (≥ 18 yr.) with documented COVID-19 receiving
mechanical ventilation OR
non-invasive ventilation (NIV) or continuous use of continuous positive
independent of delivery cystem
Ma will evolude notionts who have an indication for systemic use of
higher docos of corticostoroids (above 6 mg dovemethosono or
aquivalent) for other indications than COVID 10, who have received
corticosteroids for COVID-19 for 5 consecutive days or more, who have
invasive fungal infection, who have active tuberculosis, who have known
hypersensitivity to devamethasone who are pregnant, and those in
whom informed consent cannot be obtained
1000 (2 x 500 patients). The trial has 85% power to detect a 15% relative
reduction in 28-day mortality combined with a 10% reduction in days on
life support among the survivors assuming a baseline 28-day mortality of
30%.
The trial intervention will continue for up to 10 days after randomisation
or until discharge or death (whichever comes first).
Follow up: 28 days, 90 days and 180 days
Estimated recruitment period: August 2020 – February 2022.