



Powered by... Infectious Diseases, Acute Medicine, Respiratory, Intensive Care Unit, EMERGE, the Clinical Research Facility, and the Emergency Department, ACCORD, the Labs, Pharmacy and others. All coming together to work collaboratively on COVID-19 research activity

As a key part of the response to COVID19, we are now able to offer our patients participation in an important clinical trial called **RECOVERY**. This is supported and funded by UK government, and is being rapidly set-up across UK hospitals. **It is now active in NHS Lothian.** The trial is testing most of the treatments you will have heard about in different arms, including steroids, antivirals, hydroxychloroquine, and interferon.



The trial will add new potential treatments as they become available, and drop ones that are not working. This is the best way of finding out what works for COVID-19 as quickly as possible. **It is also the best chance of providing these treatments as supplies are limited and will be targeted to trial participants.** You can find more details at www.recoverytrial.net.

We have created a 'COVID-19 research group' coordinated by EMERGE that will manage all aspects of the trial once patients are randomised. However we need your help to identify COVID-19 positive patients that might be able to take part, and we need a clinician to agree patients are suitable.

To help us offer our patients the chance of participating in RECOVERY, please could you:

- If you are a clinician (any grade):
 - o log in to the RECOVERY website (www.recoverytrial.net) and click the 'for site staff' link; then click the 'training' link and complete the online training which ONLY takes 10-15 minutes
 - o Then submit 'Confirmation of online training form'.
 - o Then forward the acknowledgement email to allan.macrauld@nhslothian.scot.nhs.uk in EMERGE.
 - o Once you have done this you can screen, identify, and confirm eligibility to the RECOVERY trial, and prescribe the allocated treatment
- If you are any member of clinical staff and are looking after a confirmed COVID-19 positive patient who is not yet in the RECOVERY trial, **Please phone the EMERGE research team on: 0131 242 3857**
- Speak to the research team or leave a message. Ideally leave a pager number or phone number.

If you can do this for COVID-19 patients the research team will review the patient and confirm suitability with you. All you need to do as the clinical team is prescribe the allocated drug post-randomisation (it is a non-blinded trial).

All data collection and follow up will be done by the research team. The study aims to see if treatments decrease deaths and/or requirement for intensive care. Thank you.

Your support is greatly appreciated, please contact emerge@nhslothian.scot.nhs.uk or call 0131 242 3857 for further information

ISARIC4C is a prospective observational cohort study. It is a standardized generic protocol for the rapid, coordinated clinical investigation of severe or potentially severe acute infections by pathogens of public health interest.



**ISARIC 4C –
Coronavirus
Clinical
Characterisation
Consortium**

Primary aims: In potential participants meeting the entry criteria, our primary objectives for the Coronavirus is to:

- Describe the clinical features of the illness or syndrome
- Describe, where appropriate, the response to treatment, including supportive care and novel therapeutics.
- Observe, where appropriate and feasible, pathogen replication, excretion and evolution, within the host, and identify determinants of severity and transmission using high-throughput sequencing of pathogen genomes obtained from respiratory tract, blood, urine, stool, CSF and other samples.
- Characterise, where appropriate and feasible, the host responses to infection and therapy over time, including innate and acquired immune responses, circulating levels of immune signalling molecules and gene expression profiling in peripheral blood.
- Identify host genetic variants associated with disease progression or severity
- Understand transmissibility and the probabilities of different clinical outcomes following exposure and infection

This study is currently recruiting at the WGH and at the RIE.

For further information please contact emerge@nhslothian.scot.nhs.uk or call 0131 242 3857.



The **Pandemic Respiratory Infection Emergency System Triage** aims to optimise the triage of people using the emergency care system (111 and 999 calls, ambulance conveyance, or hospital emergency department) with suspected respiratory infections during a pandemic and identify the most accurate triage method for predicting severe illness among patients attending the emergency department with suspected respiratory infection.

The COVID-19-BreathSpec study aims to look at the breath of patients presenting to the emergency department, to find signs that might allow clinicians to diagnose the coronavirus infection at the bedside, without needing to send samples to a laboratory. To do this, we will use a machine called a BreathSpec which has been adapted to be used in the hospital for this purpose. Patients will be asked to blow very gently into a tube, after giving their consent.



We will be looking for a 'research-active person' of the week – so if you note a colleague who has gone above and beyond the call of duty to support COVID-19 research the @emerge_research bundle will be yours ;)

Thank you,

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