Within 72 hours of onset of ALI

Daily screening in ICU
Does the patient have a diagnosis of ALI?
(Acute onset AND PaO₂/FiO₂ ratio ≤ 40kPa AND bilateral infiltrates on CXR AND no evidence of left atrial hypertension AND ventilated)

Patients with ALI assessed for eligibility

Consent obtained from the Per LR or Prof LR

Excluded
Failure to fulfil inclusion and exclusion criteria

Excluded
Consent declined

Randomised to KARE study
N=60

Placebo
N=30

Palifermin
N=30

Data collection
Pulmonary and non-pulmonary organ function
ICU and hospital outcomes
Safety
Blood, BAL and urine samples