

Supplemental Table 1. VLCR definitions of comorbidity

Disease	Definition
Diabetes	Patients receiving oral hypoglycaemic drugs or insulin
Renal insufficiency	Creatinine of greater than 200umol/L or renal replacement therapy
Myocardial infarction	Non-ST elevation myocardial infarction (NSTEMI) or an acute cardiac event requiring coronary intervention (including coronary artery stents, angioplasty, coronary artery bypass grafting).
Respiratory comorbidity	respiratory illness where spirometry demonstrates a forced expiratory volume in 1 second (FEV1) of less than 66% predicted
Neoplastic comorbidity	Patients who have recently been diagnosed or have a past history of cancer other than lung cancer but excluding cutaneous basal or squamous cell carcinoma.