Supplementary Table S3A. Multivariable landmark analysis measuring the association between low Baseline DLCO$_{cor}$ and CLAD at 2-year landmark time point. Analysis includes: 1. Without adjustment for spirometric decline, 2. Adjustment for low baseline FEV$_1$ and 3. Adjustment for low baseline FVC.

Variable	Multivariable without FEV or FVC, HR (95%CI)	P value	Multivariable with FEV$_1$, HR (95%CI)	P value	Multivariable with FVC, HR (95%CI)	P value
Low Baseline DLCO$_{cor}$	1.44 (1.12-1.84)	0.004	1.28 (0.98-1.66)	0.07	1.23 (0.94-1.61)	0.13
Recipient Age (5-units)	0.97 (0.91-1.03)	0.29	0.99 (0.93-1.05)	0.76	0.98 (0.92-1.04)	0.53
Donor Age (5-units)	1.02 (0.98-1.06)	0.35	1.01 (0.98-1.05)	0.48	1.02 (0.99-1.06)	0.23
Native Lung Disease - COPD - Cystic Fibrosis - ILD - Other	1.23 (0.85-1.79) 1.01 (0.68-1.49) 0.78 (0.54-1.13) Reference	0.27 0.97 0.19	1.28 (0.88-1.86) 1.11 (0.75-1.65) 0.75 (0.52-1.09)	0.20 0.60 0.13	1.35 (0.92-1.97) 1.13 (0.76-1.68) 0.80 (0.55-1.16)	0.13 0.55 0.24
Sex-Matching (Recipient/Donor) - F/M - M/F - M/M - F/F	1.10 (0.74-1.63) 1.25 (0.88-1.78) 1.41 (1.08-1.85) Reference	0.63 0.21 0.01	1.06 (0.72-1.58) 1.20 (0.84-1.70) 1.35 (1.03-1.78)	0.76 0.32 0.03	1.11 (0.75-1.64) 1.23 (0.86-1.75) 1.41 (1.08-1.85)	0.61 0.25 0.01
CMV Sero-Status (Donor/Recipient - D+/R- - D+ - D-/R-	1.63 (1.16-2.27) 1.47 (1.10-1.97) Reference	0.005 0.009	1.59 (1.13-2.22) 1.44 (1.08-1.93)	0.007 0.01	1.59 (1.14-2.23) 1.49 (1.12-2.00)	0.007 0.007
Transplant Era - 2010-2018 - 1998-2009	0.83 (0.65-1.06) Reference	0.13	0.84 (0.66-1.07)	0.15	0.83 (0.66-1.06)	0.14
A Score	1.26 (0.87-1.83)	0.23	1.33 (0.91-1.94)	0.14	1.37 (0.94-2.00)	0.11
B Score	1.01 (0.66-1.55)	0.97	1.03 (0.67-1.59)	0.88	1.00 (0.65-1.54)	0.99
Low baseline FEV$_1$			1.41 (1.07-1.85)	0.01		
Low baseline FVC					1.51 (1.15-1.98)	0.003

Abbreviations: CLAD = chronic lung allograft dysfunction; COPD = chronic obstructive pulmonary disease; CMV = cytomegalovirus; D+/R- = donor CMV seropositive, recipient seronegative; F = female, M = male.

Supplementary Table S3B. Multivariable landmark analysis measuring the association between low Baseline DLCO$_{cor}$ and death at 2-year landmark time point. Analysis includes: 1. Without adjustment for spirometric decline, 2. Adjustment for low baseline FEV$_1$ and 3. Adjustment for low baseline FVC.

Variable	Multivariable without FEV or FVC, HR (95%CI)	P value	Multivariable with FEV1, HR (95%CI)	P value	Multivariable with FVC, HR (95%CI)	P value
Low Baseline DLCO$_{cor}$	2.06 (1.60-2.66)	<0.001	1.68 (1.27-2.20)	<0.001	1.68 (1.27-2.20)	<0.001
Recipient Age (5-units)	1.01 (0.95-1.08)	0.68	1.05 (0.98-1.12)	0.17	1.03 (0.96-1.09)	0.45
Donor Age (5-units)	0.99 (0.95-1.03)	0.61	0.98 (0.94-1.02)	0.30	1.00 (0.96-1.03)	0.82
Native Lung Disease - COPD - Cystic Fibrosis - ILD - Other	1.11 (0.74-1.65) 0.94 (0.61-1.43) 0.95 (0.65-1.40) Reference	0.62 0.76 0.81	1.19 (0.80-1.78) 1.07 (0.70-1.64) 0.91 (0.62-1.34) Reference	0.39 0.76 0.63	1.23 (0.82-1.85) 1.06 (0.69-1.63) 1.01 (0.69-1.49) Reference	0.31 0.79 0.96
Sex-Matching (Recipient/Donor) - F/M - M/F - M/M - F/F	1.09 (0.71-1.65) 1.15 (0.79-1.66) 1.56 (1.17-2.08) Reference	0.70 0.46 0.003	0.99 (0.65-1.52) 1.04 (0.72-1.51) 1.43 (1.07-1.92) Reference	0.98 0.83 0.01	1.11 (0.73-1.69) 1.11 (0.77-1.61) 1.56 (1.17-2.08) Reference	0.64 0.58 0.003
CMV Sero-Status (Donor/Recipient - D+/R- - D+ - D-/R-	2.14 (1.53-3.01) 1.26 (0.92-1.73) Reference	<0.001 0.15	2.10 (1.49-2.94) 1.23 (0.90-1.69) Reference	<0.001 0.20	2.09 (1.49-2.93) 1.29 (0.94-1.77) Reference	<0.001 0.11
Transplant Era - 2010-2018 - 1998-2009	0.82 (0.63-1.07) Reference	0.14	0.83 (0.64-1.08) Reference	0.16	0.81 (0.62-1.06) Reference	0.12
A Score	0.88 (0.59-1.31)	0.53	0.93 (0.62-1.39)	0.72	0.95 (0.63-1.42)	0.80
B Score	1.02 (0.64-1.63)	0.93	1.09 (0.69-1.72)	0.72	0.98 (0.61-1.58)	0.95
Low baseline FEV$_1$			1.77 (1.34-2.35)	<0.001		
Low baseline FVC					1.70 (1.30-2.22)	<0.001

Abbreviations: COPD = chronic obstructive pulmonary disease; CMV = cytomegalovirus; D+/R- = donor CMV seropositive, recipient seronegative; F = female, M = male; A Score = Sum of all A-grade cellular rejection components up time divided by the total number of biopsies up until the 2-year landmark time; B Score = Sum of all B-grade cellular rejection components up time divided by the total number of biopsies up until the 2-year landmark time.