

Supplement Table 1 Clinical Characteristics and Outcomes in Relation to the BOS Endpoint

	All Subjects (N=61) n (%)	BOS Yes (N=14) n (%)	BOS No (N=47) n (%)	P-value
<b>Recipient Characteristics</b>				
<b>LAS Diagnosis Group</b>				
Group A	1( 1.6)	1( 7.1)	0	0.178
Group B	11(18.0)	1( 7.1)	10(21.3)	
Group C	29(47.5)	8(57.1)	21(44.7)	
Group D	20(32.8)	4(28.6)	16(34.0)	
<b>Age</b>				
N	61	14	47	0.395
Mean (SD)	11.3 (5.46)	12.4 (4.40)	11.0 (5.74)	
Median	13	14	13	
Min, Max	<1, 18	4, 17	<1, 18	
<b>Gender</b>				
Male	25(41.0)	8(57.1)	17(36.2)	0.161
Female	36(59.0)	6(42.9)	30(63.8)	
<b>Race</b>				
White	50(82.0)	9(64.3)	41(87.2)	0.312
Black or African American	5( 8.2)	2(14.3)	3( 6.4)	
Asian	2( 3.3)	1( 7.1)	1( 2.1)	
More Than One Race	1( 1.6)	0	1( 2.1)	NA
Unknown or Not Reported	3( 4.9)	2(14.3)	1( 2.1)	NA
<b>Ethnicity</b>				
Hispanic or Latino	5( 8.2)	2(14.3)	3( 6.4)	0.578
Not Hispanic or Latino	42(68.9)	9(64.3)	33(70.2)	
Unknown or Not Reported	14(23.0)	3(21.4)	11(23.4)	NA
<b>Type of Transplant</b>				
Double Lung	56(91.8)	14( 100)	42(89.4)	0.580
Heart-Lung	5( 8.2)	0	5(10.6)	
<b>Donor and Recipient Gender</b>				
DF, RF	18(29.5)	1( 7.1)	17(36.2)	0.072
DF, RM	13(21.3)	2(14.3)	11(23.4)	
DM, RF	18(29.5)	5(35.7)	13(27.7)	
DM, RM	11(18.0)	5(35.7)	6(12.8)	

<b>Induction</b>				
Anti IL-2	44(72.1)	11(78.6)	33(70.2)	0.607
rATG	14(23.0)	3(21.4)	11(23.4)	
None	3( 4.9)	0	3( 6.4)	
<b>Donor Gender</b>				
Male	29(47.5)	10(71.4)	19(40.4)	0.020
Female	31(50.8)	3(21.4)	28(59.6)	
<b>Clinical Events</b>				
<b>Acute Cellular Rejection</b>				
Yes	16(26.2)	8(57.1)	8(17.0)	0.004
No	42(68.9)	6(42.9)	36(76.6)	
<b>Highest ACR Grade</b>				
A2 - Mild	14(23.0)	7(50.0)	7(14.9)	>0.999
A3 - Moderate	2( 3.3)	1( 7.1)	1( 2.1)	
<b>Antibody Mediated Rejection</b>				
Yes	11(18.0)	4(28.6)	7(14.9)	0.433
No	47(77.0)	10(71.4)	37(78.7)	

ACR = Acute Cellular Rejection

BOS =- Bronchiolitis Obliterans Syndrome

LAS = Lung Allocation Score

Supplement Table 2 Clinical Characteristics and Outcomes in Relation to the Death Endpoint

	All Subjects (N=61) n (%)	Death Yes (N=12) n (%)	Death No (N=49) n (%)	P-value
<b>Recipient Characteristics</b>				
<b>LAS Diagnosis Group</b>				
Group A	1( 1.6)	1( 8.3)	0	0.074
Group B	11(18.0)	2(16.7)	9(18.4)	
Group C	29(47.5)	3(25.0)	26(53.1)	
Group D	20(32.8)	6(50.0)	14(28.6)	
<b>Age</b>				
N	61	12	49	0.603
Mean (SD)	11.3 (5.46)	10.6 (6.30)	11.5 (5.30)	
Median	13	13	13	
Min, Max	<1, 18	0, 17	<1, 18	
<b>Gender</b>				
Male	25(41.0)	5(41.7)	20(40.8)	0.957
Female	36(59.0)	7(58.3)	29(59.2)	
<b>Race</b>				
White	50(82.0)	10(83.3)	40(81.6)	0.784
Black or African American	5( 8.2)	1( 8.3)	4( 8.2)	
Asian	2( 3.3)	0	2( 4.1)	
More Than One Race	1( 1.6)	1( 8.3)	0	NA
Unknown or Not Reported	3( 4.9)	0	3( 6.1)	NA
<b>Ethnicity</b>				
Hispanic or Latino	5( 8.2)	0	5(10.2)	0.571
Not Hispanic or Latino	42(68.9)	8(66.7)	34(69.4)	
Unknown or Not Reported	14(23.0)	4(33.3)	10(20.4)	NA
<b>Type of Transplant</b>				
Double Lung	56(91.8)	11(91.7)	45(91.8)	>0.999
Heart-Lung	5( 8.2)	1( 8.3)	4( 8.2)	
<b>Donor and Recipient Gender</b>				
DF, RF	18(29.5)	2(16.7)	16(32.7)	0.479
DF, RM	13(21.3)	3(25.0)	10(20.4)	
DM, RF	18(29.5)	5(41.7)	13(26.5)	
DM, RM	11(18.0)	1( 8.3)	10(20.4)	

<b>Induction</b>				
Anti IL-2	44(72.1)	9(75.0)	35(71.4)	0.682
rATG	14(23.0)	3(25.0)	11(22.4)	
None	3( 4.9)	0	3( 6.1)	
<b>Donor Gender</b>				
Male	29(47.5)	6(50.0)	23(46.9)	0.648
Female	31(50.8)	5(41.7)	26(53.1)	
<b>Clinical Events</b>				
<b>Acute Cellular Rejection</b>				
Yes	16(26.2)	1( 8.3)	15(30.6)	0.420
No	42(68.9)	8(66.7)	34(69.4)	
<b>Highest ACR Grade</b>				
A2 - Mild	14(23.0)	1( 8.3)	13(26.5)	>0.999
A3 - Moderate	2( 3.3)	0	2( 4.1)	
<b>Antibody Mediated Rejection</b>				
Yes	11(18.0)	2(16.7)	9(18.4)	>0.999
No	47(77.0)	7(58.3)	40(81.6)	

ACR = Acute Cellular Rejection

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Supplement Table 3 Tacrolimus Trough By Composite Endpoint

	<b>All Subjects (N=61) n (%)</b>	<b>Composite Endpoint Yes (N=28) n (%)</b>	<b>Composite Endpoint No (N=33) n (%)</b>	<b>P-value</b>
<b>Standard Deviation for Tacrolimus Trough Level</b>				
N	49	17	32	0.580
Mean (SD)	3.0 (1.58)	3.2 (1.61)	2.9 (1.58)	
Median	3	3	3	
Min, Max	1, 6	1, 6	1, 6	