

Table 1: Demographics and indications for transplantation of lung transplantation recipients

	Without CRS	With CRS		<i>P</i>
		ESS (-)	ESS (+)	
Number of patients	120	21	7	
Age (mean ± standard deviation) (years)	40.3 ± 15.7	36.5 ± 17.9	46.4 ± 14.3	0.452
Male / Female	49 / 71	10 / 11	2 / 5	0.662
Type of transplantation				
Brain-dead donor / Living donor	54 / 66	10 / 11	5 / 2	0.393
Bilateral / Unilateral	95 / 25	14 / 7	7 / 0	0.159
Abnormal paranasal sinus shadow on CT (present / absent)	22 / 98	21 / 0	7 / 0	< 0.001
<i>Pseudomonas aeruginosa</i> (present / absent)	47 / 73	13 / 8	7 / 0	0.002
Indication for transplantation (%)				
Pulmonary hypertension	29 (24.1)	3 (14.3)	0	
Diffuse panbronchiolitis	0	2 (9.5)	3 (42.9)	
Idiopathic interstitial pneumonia	39 (32.5)	5 (23.8)	0	
Obliterative bronchiolitis	21 (17.5)	7 (33.3)	1 (14.3)	
Bronchiectasis	4 (3.3)	2 (9.5)	2 (28.6)	
Pulmonary emphysema	5 (4.2)	1 (4.8)	1 (14.3)	
Congenital tracheal stenosis	0	1 (4.8)	0	
Cystic fibrosis	1 (0.8)	0	0	< 0.001
Pulmonary lymphangioleiomyomatosis	12 (10.0)	0	0	
Eisenmenger syndrome	2 (1.7)	0	0	
Pulmonary eosinophilic granuloma	1 (0.8)	0	0	
Multiple pulmonary arteriovenous fistulas	2 (1.7)	0	0	
Erdheim-Chester disease	1 (0.8)	0	0	
Hypoplastic pulmonary artery	1 (0.8)	0	0	
Chronic obstructive pulmonary disease	1 (0.8)	0	0	
Langerhans cell histiocytosis	1 (0.8)	0	0	

CRS: chronic rhinosinusitis

ESS: endoscopic sinus surgery

CT: computed tomography

Table 2: The univariate analysis with variables associated with mortality.

Variables	Hazard ratio (95% CI)	<i>P</i>
Age (year)	0.986 (0.965 – 1.007)	0.186
Gender (male / female)	0.717 (0.375 – 1.370)	0.313
Type of transplantation		
Brain-dead donor / Living donor	0.709 (0.364 – 1.379)	0.311
Bilateral transplantation / Unilateral transplantation	1.393 (0.657 – 2.955)	0.388
Abnormal paranasal shadow on CT (present / absent)	1.472 (0.754 – 2.874)	0.257
<i>Pseudomonas aeruginosa</i> (present / absent)	0.724 (0.386 – 1.359)	0.315
Calendar year at transplantation (1998-2005 / 2006-2015)	0.530 (0.247 – 1.136)	0.103

CI: confidence intervals





