

Supplemental Material

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Supplemental Table 1: Immunosuppression

	DGF Group	Non-DGF Group	P-value
Induction agent (basiliximab/r-ATG/alem) (%)	19/35/46	21/45/34	0.001
Steroid avoidance (%)	57.1	57.7	0.87
Tacrolimus level 1 week (ng/ml)	8.96±5.01	11.14 5.20	<.0001
Tacrolimus level 1 month (ng/ml)	9.92±3.31	10.04±3.47	0.59
Tacrolimus level 4 months (ng/ml)	7.54±2.81	7.52±3.62	0.94
Tacrolimus level 12 months (ng/ml)	7.10±3.25	6.98±2.87	0.60

Continuous data shown as mean ± standard deviation. DGF-delayed graft function, r-ATG-rabbit anti-thymocyte globulin, alem- alemtuzumab

Supplemental Table 2: 3-year graft survival including death with function

	Cohort before 2011 (log rank p=0.01)		After 2011 (log rank p=0.48)	
	DGF	Non DGF	DGF	Non DGF
3 year survival (%)	80.8 (n=123)	89.8 (n=337)	90.6 (n=38)	90.6 (n=52)

n represents number at risk at 3 years post transplantation

Supplemental Table 3: Reperfusion Biopsy Findings

Banff scores	DGF Group (n=224)	Non-DGF Group (n=396)	P-value
ci>0 (%)	23.7	19.7	0.25
ct>0 (%)	38.6	35.7	0.48
cv>0 (%)	33.9	42.3	0.04
ah>0 (%)	15.8	14.8	0.73

DGF-delayed graft function. Continuous variable shown as mean $\pm$ standard error

Supplemental Table 4: Logistic Regression Analysis for Moderate-to-Severe Fibrosis (Banff ci score>1) on 1 year Biopsy

	Univariate			Multivariate		
	OR	95% CI	P value	OR	95% CI	P value
DGF	1.14	0.78-1.64	0.50	1.07	0.65-1.75	0.79
Time 0 biopsy Banff ci>0	2.99	1.85-4.84	<.0001	2.18	1.22-3.88	0.009
Donor age (per year)	1.03	1.01-1.04	<.0001	1.02	1.00-1.04	0.009
Transplant after 2011	0.60	0.42-0.86	0.006	0.69	0.41-1.09	0.11
Banff t>0 on 4 month biopsy	1.44	0.92-2.22	0.11	1.72	1.01-2.90	0.05
Banff i>0 on 4 month biopsy	1.46	0.95-2.23	0.08			
CIT (per hour)	0.99	0.97-1.01	0.42			

CI-confidence interval, DGF-delayed graft function, CIT-cold ischemia time

Supplemental Table 5: Delta fibrosis by DGF > 9 d (p=0.85)

Count Row %	-2	-1	0	1	2	3	Total # of pair biopsies
Dialysis < 9 day	0 0	1 1.14	30 34.09	40 45.45	13 14.77	4 4.55	88
Dialysis ≥ 9 days	0 0	1 1.49	18 26.87	35 52.24	11 16.42	2 2.99	67