Supplementary Material

1 Supplementary Figures and Tables

Supplemental Table 1. Demographic of patients with early BL in subgroups of SCD, ECD and living donors.

	SCD (n=109)	**ECD** (n=109)	**LD** (n=51)	P value* ECD vs SCD vs LD	P value# ECD vs SCD
Donor age, years	40 [4,75]	61 [4,79]	51 [30,76]	**<0.001**	**<0.001**
Recipient age, years	50 [20,80]	55 [28,75]	42 [19,67]	**<0.001**	**0.029**
Peak PRA	4 [0,89]	4 [0,100]	0 [0,46]	**<0.001**	0.596
HLA mismatch	4 [0,6]	3 [0,6]	3 [0,6]	0.313	0.127
Cold ischemia, hours	15.4 [0,25]	16.9[0,27]	0.8 [0,24]	**<0.001**	**0.020**
Dialysis vintage, months	23.4 [0,110]	22[1,128.4]	3.5 [0,144]	**<0.001**	0.945
DGF, n (%)	35 (31.8%)	40 (36.7%)	3 (5.9%)	**<0.001**	0.479
Recipient sex, male, n (%)	76 (69.7%)	83 (76.1%)	42 (82.4%)	0.209	0.361
Retransplantation, n (%)	14 (12.7%)	11 (10.1%)	0	**0.027**	0.164
Donor sex, male, n (%)	56 (45.2%)	58 (46.8%)	10 (8.1%)	**<0.001**	0.893

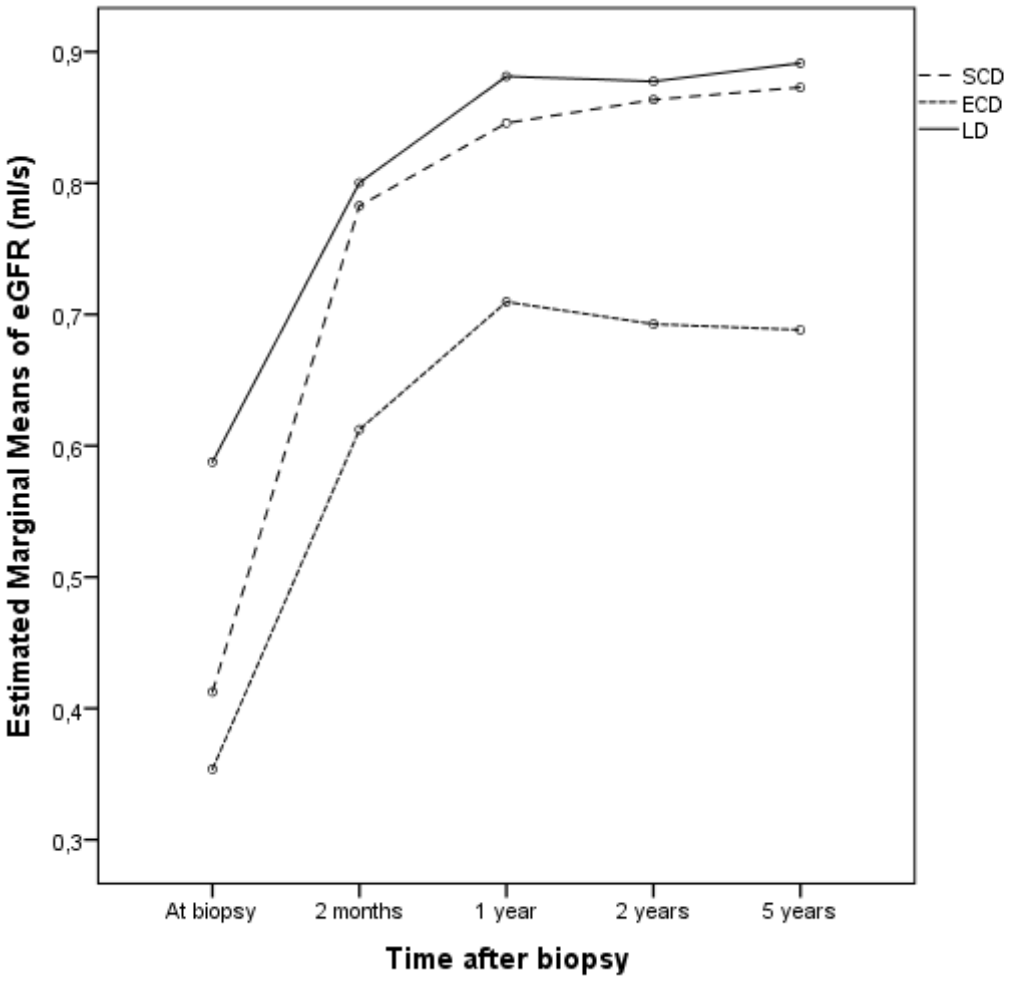
*Differences among groups were calculated by Kruskal-Wallis test.
Differences among groups were calculated by Mann/Whitney test.

Supplemental Table 2. Histological findings of biopsies with early BL in subgroups of SCD, ECD and LD analyzed by microarray.

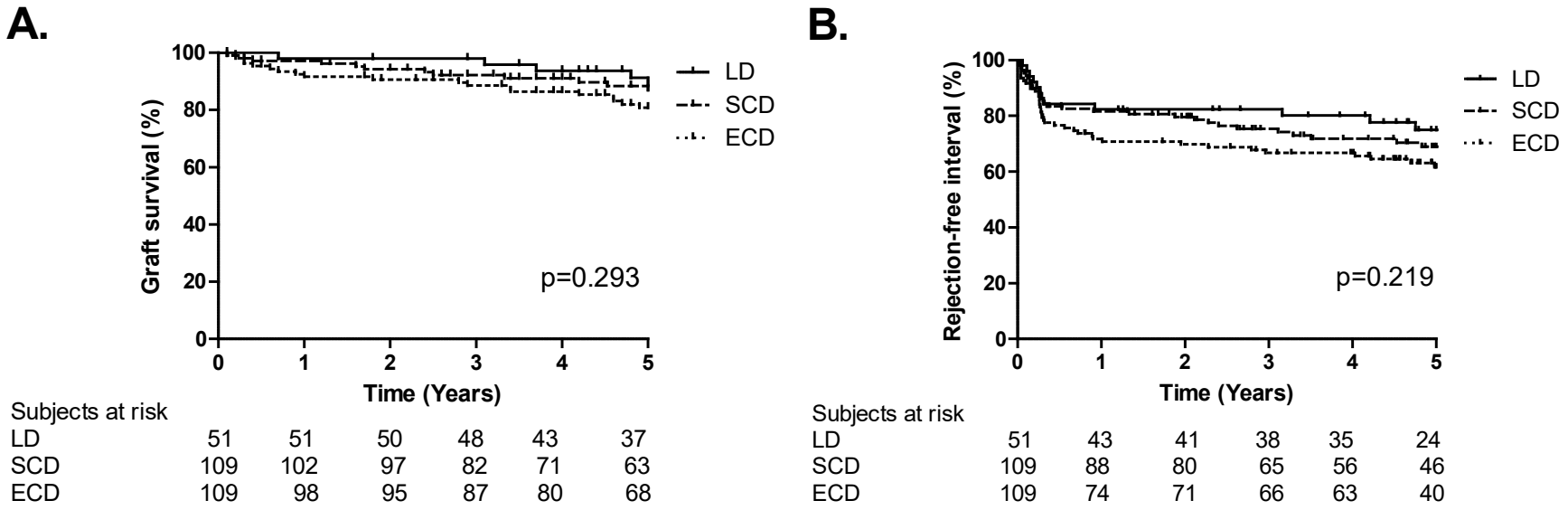
Banff score	**SCD (n=4)**	**ECD (n=9)**	**LD (n=8)**	**P value (ANOVA)**
Glomerulitis (g)	0±0	0.22±0.44	0.13±0.35	0.620
Chronic glomerulopathy (cg)	0±0	0±0	0±0	1
Interstitial inflammation (i)	0.5±0.58	0.67±0.5	0.63±0.74	0.904
Tubulitis (t)	1.0±0	1.23±0.67	1.5±0.93	0.515
Total inflammation (ti)	0.75±0.5	0.67±0.8	0.5±0.76	0.767
Tubular atrophy (ct/TA)	0.5±0.58	0.89±0.6	0.75±0.46	0.528
Interstitial fibrosis (ci/IF)	0.25±0.5	0.56±0.73	0.63±0.52	0.607
Vascular intimal fibrosis (cv)	0.75±0.5	1.61±0.93	0.63±0.52	**0.028**
Arteriolar hyalinosis (ah)	1.25±1.2	1.31±1.11	0.88±0.99	0.699
Arteriolar hyaline thickening (aah)	0.5±1	0.44±1	0.25±0.7	0.870
Peritubular capillaritis (ptc)	0±0	0.22±0.67	0±0	0.537

1.1 Supplementary Figures

Supplemental Figure 1. Kidney graft function during 3 years follow-up after indication biopsy stratified by donor category. SCD vs LD, p=0.48. SCD vs ECD, p<0.001, LD vs ECD, p<0.001. Differences in kidney graft function among SCD, ECD and LD were calculated by GLM repeated model.



Supplemental Figure 2. Five-year graft survival (A.) and Rejection-free interval (B.) of patients with early borderline changes according to donor category.



frontiers