

**Supplementary Table S1.** Classification of 1,164 transplant biopsy cases according to diagnostic categories of glomerular disease

Glomerular disease entity	Total case No.	Pathologic diagnosis (no. of cases, %)
IgA-related GN	526	IgA nephropathy (523, 99.4), Henoch-Schönlein nephritis (3, 0.6)
Podocytopathy	146	FSGS (75, 51.4), Focal glomerulosclerosis (66, 45.2), Minimal change disease (3, 2.1), IgM nephropathy (1, 0.7), Degenerative changes of epithelial / endothelial cells (1, 0.7)
Mesangial changes/GN	140	Mesangial Ig deposition (58, 41.4), Mesangial hypercellularity (50, 35.7), Mesangial proliferative GN (24, 17.1), Focal proliferative GN (6, 4.3), C1q nephropathy (2, 1.4)
Diabetic renal disease	112	Diabetic nephropathy (109, 97.3), Linear IgG staining in the GBM/TBM (2, 1.8), Idiopathic nodular glomerulosclerosis (1, 0.9)
End stage GN	68	Chronic sclerosing GN (41, 60.3), Diffuse glomerulosclerosis (27, 39.7)
Membranous GN	55	Membranous GN (55)
Membranoproliferative GN	48	Membranoproliferative GN (42, 87.5), Diffuse proliferative lobular GN (5, 10.4), Immune-complex mediated GN (1, 2.1)
Other glomerular change	30	Minor glomerular change (29, 96.7), Ischemic nephropathy (1, 3.3)
Crescentic GN	12	Necrotizing GN (5, 41.7), Pauci-immune crescentic GN (4, 33.3), ANCA-associated crescentic GN (2, 16.7), Focal glomerular crescent formation (1, 8.3)
SLE, autoimmune disease	10	Lupus nephritis (10)
Endocapillary proliferative GN	7	Postinfectious GN (6, 85.7), Endocapillary proliferative GN (1, 14.3)
Hereditary disease of GBM	5	Type IV collagen disease (4, 80.0), Focal and segmental thinning of GBM (1, 20.0)
Amyloidosis	2	Amyloidosis (2)
Fibrillary GN	1	Immunotactoid GN (1)
Monoclonal Ig deposition disease	1	Light chain deposition disease (1)
Mixed GN	1	Mixed Membranous GN with IgA nephropathy (1)

GN, glomerulonephritis; FSGS, focal segmental glomerulosclerosis; GBM, glomerular basement membrane; TBM, tubular basement membrane; ANCA, anti-neutrophil cytoplasmic antibody; SLE, systemic lupus erythematosus.