Supplemental Table 1: univariate Cox regression for screening out variates into predictive prognosis models

| Character                  | Hazard Ratio (95% CI)     | P value |
|----------------------------|---------------------------|---------|
| Age (years)                | 1.01 (0.99-1.04)          | 0.36    |
| Sex                        | 0.44 (0.35-1.16)          | 0.14    |
| Hypertension               | 2.97 (1.62-5.45)          | <0.001  |
| 24h-UTP (g/l)              | 1.12 (1.04-1.21)          | 0.002   |
| Urine HCO3/CO2             | 1.00 (1.00-1.00)          | 0.77    |
| Hb (mmol/l)                | 1.18 (1.13-1.23)          | <0.001  |
| sCr (mmol/l)               | 1.01 (1.01-1.01)          | <0.001  |
| UA (umol/l)                | 1.00 (1.00-1.00)          | 0.77    |
| BUN (mmol/l)               | 1.18 (1.13-1.23)          | <0.001  |
| sC3 (g/l)                  | 0.97 (0.76-1.23)          | 0.78    |
| sC4 (g/l)                  | 0.95 (0.55-1.63)          | 0.84    |
| HbA1c (g/l)                | 0.96 (0.95-0.98)          | <0.001  |
| Urea (mmol/l)              | 1.48 (1.38-2.54)          | 0.15    |
| Serum chloride group       | 3.22 (1.76-5.86)          | <0.001  |
| Cu (mmol/l)                | 0.65 (0.13-3.10)          | 0.58    |
| Mg (mmol/l)                | 1.23 (0.87-1.65)          | 0.99    |
| P (mmol/l)                 | 4.88 (1.48-16.09)         | <0.001  |
| K (mmol/l)                 | 2.17 (1.21-3.90)          | <0.001  |
| E                          | 1.16 (0.62-2.14)          | 1.16    |
| S                          | 3.64 (1.54-8.59)          | <0.001  |
| T                          | 0.65 (0.13-3.10)          | 0.58    |
| T1                         | 3.34 (1.29-8.62)          | 0.01    |
| T2                         | 9.55 (4.75-19.19)         | <0.001  |
| C                          | 0.84                      |         |
| Cl                         | 1.19 (0.65-2.17)          | 0.57    |
| C2                         | 1.23 (0.29-5.17)          | 0.78    |
| IgG                        | 0.95                      |         |
| IgG(1)                     | 1.11 (0.47-2.61)          | 0.82    |
| IgG(2)                     | 1.20 (0.39-4.98)          | 0.81    |
| IgM                        | 0.57                      |         |
| IgM(1)                     | 1.02 (0.52-2.00)          | 0.95    |
| IgM(2)                     | 1.69 (0.74-3.85)          | 0.21    |
| IgM(3)                     | 0.00 (0.00-7)             | 0.98    |
| IgA                        | 0.84                      |         |
| IgA(1)                     | 1244.19 (0.00-5.09E+082)  | 0.94    |
| IgA(2)                     | 3.007.65 (0.00-1.22E+083) | 0.91    |
| IgA(3)                     | 3821.36 (0.00-1.55E+083)  | 0.93    |
IgA (4) 0.99 (0.00-1.35E+2) 1.00

C3 0.21

C3(1) 0.75 (0.29-1.90) 0.14

C3(2) 1.22 (0.60-2.48) 0.18

C3(3) 2.35 (0.88-6.33) 0.09

A 0.001

A(1) 1.98 (0.67-5.89) 0.22

A(2) 4.15 (1.74-9.91) 0.001

Tubular necrosis 0.91 (0.22-3.77) 0.90

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BUN, blood urine nitrogen; sCr, serum creatinine; UA, urine acid; ALB, albumin; 24h-UTP, 24-hour urine protein; Urine RBC, urine red blood cell; T-CHO, total cholesterol; TG, triglyceride; serum C3, serum complement 3; serum C4, serum complement 4; HB, hemoglobin; K, potassium; Na, sodium; Ca, calcium; Mg, magnesium; P, phosphorus; For Oxford classification, mesangial cell proliferation score(M): M0 for score ≤ 0.5, M1 for score > 0.5; endothelial cell hyperplasia (E): E0 for absent and E1 for present; segmental sclerosis or adhesion (S): S0 for absent and S1 for present; renal tubule atrophy or renal interstitial fibrosis (T): T0 for 25% renal tubule atrophy or renal interstitial fibrosis, T1 for 26%~50% and T2 ≥ 50%; crescentic lesions (C), C0 is no crescent, C1 is < 25% globular crescent, C2 is ≥ 25% globular crescent. For immunofluorescence, immunoglobulin G (IgG): 0 for -, 1 for +, 2 for ++; IgM, immunoglobulin M (IgM): 0 for -/-, 1 for +, 2 for ++, 3 for +++; immunoglobulin A (IgA): 0 for -/-, 1 for +, 2 for ++, 3 for +++; complement 3(C3): 0 for -/-, 1 for +, 2 for ++, 3 for +++; the degree of vascular injury (A): 0 for no obvious abnormality, 1 for simple vascular wall thickening, 2 for not only vascular wall thickening, but also other lesions, such as fibrinoid necrosis, vitreous degeneration and so on.; renal tubular necrosis: 0 for no necrosis, 1 for necrosis.
