

Elevated serum chloride level contributes to the poor prognosis of IgA nephropathy

Yaling Zhai zhaiyaling1988@163.com [Zhengzhou University, China](#)

Xingchen Yao yx664912617@163.com [Zhengzhou University, China](#)

Yuanyuan Qi qqyyiillyy@163.com [Zhengzhou University, China](#)

Jingge Gao 15037169805@163.com [Zhengzhou University, China](#)

Yazhuo Chen 13017698108@163.com [Zhengzhou University, China](#)

Xinnian Wang wangxinnian369@163.com [Zhengzhou University, China](#)

Zhanzheng Zhao zhanzhengzhao@zzu.edu.cn [Zhengzhou University, China](#)

Supplemental Material

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

characters	univariate Cox regression	
	OR (95%CI)	P value
Age(years)	1.01 (0.99-1.04)	0.36
Sex	0.64 (0.35-1.16)	0.14
Hypertension	2.97 (1.62-5.45)	<0.001
24-H UP (g/d)	1.12 (1.04-1.21)	0.002
Urine RBC(/HP)	1.00 (1.00-1.001)	0.77
BUN (mmol/l)	1.18 (1.13-1.23)	<0.001
Cr (umol/l)	1.01 (1.01-1.01)	<0.001
UA (umol/l)	1.004 (1.002-1.006)	<0.001
ALB (g/l)	0.99 (0.96-1.03)	0.71
TCHO (mmol/l)	0.89 (0.76-1.03)	0.12
TG (mmol/l)	1.00 (0.87-1.16)	0.99
C3 (g/l)	0.97 (0.76-1.23)	0.78
C4 (g/l)	0.95 (0.55-1.63)	0.84
HGB (g/l)	0.96 (0.95-0.98)	<0.001
K (mmol/l)	1.48 (0.86-2.54)	0.15
Na (mmol/l)	1.02 (0.93-1.11)	0.69
Serum chlorine group	3.22 (1.76-5.86)	<0.001
Ca (mmol/l)	0.65 (0.13-3.10)	0.58
Mg (mmol/l)	1.23 (0.07-23.33)	0.89
P (mmol/l)	4.88 (1.48-16.09)	0.009
M	2.17 (1.21-3.90)	0.009
E	1.16 (0.62-2.14)	1.16
S	3.64 (1.54-8.59)	0.003
T		<0.001
T1	3.34 (1.29-8.62)	0.01
T2	9.55 (4.75-19.19)	<0.001
C		0.84
C1	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 (0.30-4.98)	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)	0.000 (0.000-?)	0.98
IgA		0.84
IgA (1)	1244.19 (0.00-5.09E+082)	0.94
IgA (2)	3007.65 (0.00-1.22E+083)	0.93

IgA (3)	3821.36 (0.00-1.55E+083)	0.93
IgA (4)	0.99 (0.00-1.85E+278)	1.00
C3		0.21
C3(1)	0.75(0.29-1.90)	0.54
C3(2)	1.22(0.60-2.48)	0.58
C3(3)	2.35(0.88-6.33)	0.09
A		0.003
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

BUN, blood urine nitrogen; Cr, serum creatinine; UA, urine acid; ALB, albumin; 24-H UP, 24-hour urine protein; Urine RBC, urine red blood cell; C3, complement 3; C4, complement 4;

HGB, hemoglobin; K, potassium; Na, sodium; Ca, calcium; Mg, magnesium; P, phosphorus; SIgA, serum immunoglobulin A; SIgG, serum immunoglobulin G; SIgM, serum

immunoglobulin M; For Oxford classification, M represents Mesangial cell proliferation (M0/1); E represents endothelial cell hyperplasia (E0/1); S represents segmental sclerosis or

adhesion (S0/1); T represents renal tubule atrophy or renal interstitial fibrosis (T0/1/2), T0 represents 25% renal tubule atrophy or renal interstitial fibrosis, T1 represents 26%-50% and T2 ≥

50%; C represents crescentic lesions (C0/1/2), C0 is no crescent, C1 is < 25% globular crescent, C2 is ≥ 25% globular crescent; For immunofluorescence, IgG, immunoglobulin G:0

represents -/+, 1 for +, 2 for ++; IgM, immunoglobulin M:0 represents -/+, 1 for +, 2 for ++, 3 for +++ ; IgA, immunoglobulin A:0 for -/+, 1 for +, 2 for ++, 3 for +++, 4 for ++++; C3,

complement 3: 0 for -/+, 1 for +, 2 for ++, 3 for +++; A, the degree of vascular injury: 0 means no obvious abnormality, 1 represents simple vascular wall thickening, 2 represents not only

vascular wall thickening, but also other lesions, such as fibrinoid necrosis, vitreous degeneration and so on.; Renal tubular necrosis: 0 means no necrosis, 1 means necrosis; GS, glomerular

sclerosis; SS, segmental sclerosis.