

Table 2: Comparison of the 32 healthy controls and the 109 patients with diabetic nephropathy according to their urinary albumin creatinine ratio (UACR) value.

Parameter	Control	Normoalbuminuria	Microalbuminuria	Macroalbuminuria	p
Age (years)	49.53 ± 7.32*	62.75 ± 12.07	63.72 ± 8.03	59.83 ± 8.78	<0.001 ^a
Male/Female (n)	12/20	11/17	18/11	31/19	0.053
Creatinine (mg/dl)	0.88 ± 0.12*	1.04 ± 0.29*	1.42 ± 0.46*	1.90 ± 0.79*	<0.001 ^b
GFR (ml/dak)-CKD-EPI	90.15 ± 2 0.71*	69.38 ± 19.28*	52.86 ± 20.02*	42.02 ± 21.06*	<0.001 ^b
s-Klotho (ng/mL)	3.62 ± 4.27*	7.00 ± 6.34	5.98 ± 4.56	4.87 ± 3.41	0.031 ^a
PTH (pg/mL)	57.79 ± 22.28	55.73 ± 23.08	69.05 ± 41.44*	142.54 ± 176.05*	0.002 ^c
Calcium (mg/dL)	9.37 ± 0.39	9.59 ± 0.38	9.50 ± 0.49	9.17 ± 0.61*	0.002 ^d
Phosphorus (mg/dL)	3.28 ± 0.67	3.38 ± 0.52	3.26 ± 0.52	3.59 ± 0.75	0.058
Albumin (mg/dL)	4.22 ± 0.36	4.20 ± 0.24	4.05 ± 0.38	3.70 ± 0.55*	<0.001 ^d
HbA1c (%)		7.6 ± 1.73	7.90 ± 1.70	9.66 ± 1.21*	<0.001 ^d
TOS (μmol H ₂ O ₂ Equiv./L)	1.73 ± 1.17	2.63 ± 2.52	3.16 ± 2.90	2.99 ± 2.57	0.166
TAS (nmol Troloks/L)	0.97 ± 0.15*	1.09 ± 0.20*	1.21 ± 0.19*	1.17 ± 0.16*	<0.001 ^b
OSI	1.83 ± 1.29	3.20 ± 4.18	2.51 ± 2.00	4.59 ± 8.11	0.540
IMA	0.452 ± 0.065	0.468 ± 0.070	0.479 ± 0.074	0.469 ± 0.064	0.150
IMAR	0.127 ± 0.018	0.125 ± 0.017	0.138 ± 0.027	0.144 ± 0.029*	0.002 ^d

n: number, GFR (ml/dak)-CKD-EPI: chronic kidney disease epidemiology collaboration equation assessment of the glomerular filtration rate, s-Klotho: soluble Klotho, PTH: parathyroid hormone, HbA1c: glycated haemoglobin, TOS: total oxidative status, TAS: total anti-oxidative status, OSI: oxidative stress index = ratio TOS/TAS, IMA: ischaemia-modified albumin, IMAR: ischaemia-modified albumin rate (IMA level/albumin level), *^a: significant difference between the control group and others, *^b: significant difference between each group, *^c: significant difference between the patients with microalbuminuria, macroalbuminuria, and others, *^d: significant difference between the patients with macroalbuminuria and others.