

Table 2 Comparisons of parameters before and after 12-week treatment with SGLT2 inhibitors in type 2 diabetes

Variable	UACR<30mg/g			UACR≥30to≤300mg/g			UACR>300mg/g		
	Pre-treatment	Post-treatment	P-value	Pre-treatment	post-treatment	P-value	Pre-treatment	Post-treatment	P-value
BW(kg)	76.50±12.67	73.04±12.55	<0.001	72.33±16.07	69.50±15.39	<0.001	68.63±14.58	65.84±14.12	<0.001
BMI (kg/m ²)	31.72±3.22	25.69±3.66	<0.001	28.31±4.13	26.92±3.65	<0.001	26.06±4.27	24.98±4.02	<0.001
WC(cm)	88±9	84±8	<0.001	91±11	87±10	<0.001	87±11	84±11	<0.001
HC(cm)	97±6	95±7	0.068	98±10	95±8	0.001	94±8	91±7	<0.001
WHR	0.91±0.05	0.88±0.04	0.003	0.93±0.07	0.91±0.06	0.014	0.93±0.06	0.92±0.07	0.226
SBP (mmHg)	128±14	123±14	0.148	135±17	130±15	0.146	138±17	134±15	0.126
DBP (mmHg)	79±12	77±12	0.258	79±11	73±10	0.018	78±9	76±11	0.506
TC(mmol/L)	5.06±1.03	5.03±0.94	0.894	4.36±0.78	4.49±1.09	0.48	5.20±1.32	4.91±1.13	0.269
TG(mmol/L)	1.54 (1.08,2.31)	1.35 (1.01,2.05)	0.191	1.69 (1.20,2.03)	1.41 (0.92,1.93)	0.028	1.34(1.17,2.45)	1.62 (1.13,2.64)	0.638
LDL-C(mmol/L)	3.21±0.73	3.33±0.74	0.476	2.67±0.59	2.85±0.82	0.118	3.34±0.86	3.21±0.84	0.433
HDL-C(mmol/L)	1.13±0.16	1.18±0.13	0.021	1.21±0.29	1.24±0.24	0.32	1.15±0.23	1.17±0.24	0.493
HbA1c(%)	7.53±1.41	7.12±1.12	0.054	8.31±1.38	7.46±1.16	0.042	7.90±1.78	7.43±1.27	0.15
Scr(umol/L)	78±14	74±14	0.137	74±16	73±18	0.92	99±42	100±39	0.563
UA(umol/L)	358±100	327±86	0.048	347±101	367±103	0.481	395±87	372±70	0.156
eGFR(ml/min/1.73m ²)	99±21	103±19	0.156	88±20	87±22	0.764	74±24	70±21	0.09
UACR (mg/g)	6 (4,12)	6(4,10)	0.848	87 (42,203)	75 (21,152)	0.003	861 (459,1966)	738 (213,1482)	0.037
NPH(ug/ml)	0.75(0.46,1.26)	0.64(0.44,0.74)	0.063	1.12 (0.59,1.29)	0.71 (0.41,1.07)	0.022	1.29(0.99,1.96)	0.93 (0.57,1.31)	0.002
UTGFβ ₁ (pg/ml)	4.34±1.52	6.78±1.36	<0.001	4.88±1.31	7.27±1.21	<0.001	4.30±1.34	6.78±2.59	<0.001
hsCRP (mg/L)	1.69 (0.69,3.59)	1.57 (0.85,3.59)	0.52	1.69 (0.88,3.68)	1.72 (0.81,2.23)	0.36	2.39(0.96,4.55)	2.04 (0.96,3.34)	0.517
IL-6(pg/ml)	2.43 (1.50,4.90)	3.06 (1.50,4.06)	0.913	2.85 (1.58,4.50)	2.85 (1.96,5.05)	0.856	4.31(2.30,6.30)	3.48 (2.46,5.23)	0.534
TNFα(pg/ml)	14.5 (7.34,25.80)	9.96 (5.15,116)	0.590	23.2 (12.68,65.25)	17(8.35,79.75)	0.446	27.6 (9.57,180)	26.1(7.67,142)	0.564

Data are expressed as mean±standard deviation or median(interquartile rang).

Abbreviations:BW:body weight; BMI: body mass index; WC:Waist Circumference;HC:Hip Circumference;WHR: Waist hip ratio ;SBP:Systolic blood pressure; DBP: Diatolic blood pressure;TC: Total cholest-erol ; TG:triglycerides; LDL-C: low-density lipoprotein cholesterol; HDL-C: high-density lipoprotein cholesterol; HbA_{1c}:glycated haemoglobin;Scr: serum creatinine ;UA: Uric acid; eGFR :estimated Glomerular Filtration Rate;UACR: urine albumin -to -creatinine ratio; NPH: nephrin; UTGFβ₁:urine transforming-growth-factor-beta₁; hsCRP :High sensitivity C-reactive protein ;IL-6 :Interleukin-6; TNFα:Tumor necrosis factor α.