S1 Table. Patient characteristics of patients with indoxyl sulfate levels exceeding the 95% upper prediction limit compared to the rest of the cohort (consolidated cohort)

Variable	Total cohort	N=	Consolidated Cohort	N=	Subgroup IS > 95% UPL	N=	P-value
Age (years)	12.1 ± 3.3	604	12.2 ± 3.3	559	11.2 ± 3.3	45	**0.05**
Male sex	399 (66%)	604	367 (66%)	559	32 (71%)	45	0.46
Diagnosis		604		559		45	0.53
CAKUT	420 (70%)		390 (70%)		30 (67%)		
Glomerulopathy	49 (8%)		46 (8%)		3 (7%)		
Post-AKI	27 (5%)		23 (4%)		4 (9%)		
Tubulointerstitial	82 (14%)		77 (14%)		5 (11%)		
Others	26 (4%)		23 (4%)		3 (7%)		
Country		604		559		45	0.07
GER, CH, AT	118 (20%)		112 (20%)		6 (13%)		
FR, IT, PT	97 (16%)		88 (16%)		9 (20%)		
PL, LT, CZ, SRB	53 (9%)		52 (9%)		1 (2%)		
UK	35 (6%)		35 (6%)		0 (0%)		
Turkey	301 (50%)		272 (49%)		29 (64%)		
BMI SDS	0.08 ± 1.30	604	0.08 ± 1.30	559	0.05 ± 1.29	45	0.87
Systolic blood pressure SDS	0.81 ± 1.37	604	0.82 ± 1.37	559	0.66 ± 1.45	45	0.46
eGFR (ml/min)	26.6 ± 11.2	604	26.6 ± 11.2	559	26.6 ± 10.9	45	0.97
uPCr (mg/mg)	1.3 (2.6)	579	1.4 (2.7)	537	1.0 (1.4)	44	0.22
Serum Albumin (g/l)	39.0 ± 6.30	604	38.9 ± 6.36	559	38.6 ± 5.67	45	0.70
Serum phosphorus (mmol/l)	1.55 ± 0.38	604	1.55 ± 0.37	559	1.65 ± 0.44	45	0.07
Hemoglobin (g/l)	11.6 ± 1.65	594	11.7 ± 1.64	550	11.1 ± 1.70	44	**0.03**
Non-Ca phosphate binders (y)	25 (4%)	604	24 (4%)	559	1 (2%)	45	0.50
Ca phosphate binders (y)	271 (45%)	604	252 (45%)	559	19 (42%)	45	0.71
Iron supplementation (y)	267 (44%)	604	246 (44%)	559	21 (47%)	45	0.73
Antibiotic treatment at baseline (y)	128 (21%)	604	120 (22%)	559	8 (18%)	45	0.56
Antibiotic treatment <6 weeks before baseline (y)	130 (21%)	604	121 (21%)	559	9 (20%)	45	0.80

Data shown as mean ± standard deviation, median (interquartile range) or n (%) as appropriate. P-value indicates group difference between consolidated cohort and those patients with IS levels exceeding the 95% UPL.

IS= indoxyl sulfate; UPL= upper prediction limit; CAKUT= congenital anomalies of the kidney and urinary tract; Post-AKI= chronic kidney disease after acute kidney injury; BMI= body mass index; eGFR= estimated glomerular filtration rate; uPCr= Urinary protein creatinine ratio; SDS= standard deviation score; Non-Ca phosphate binders= non calcium containing phosphate binders; Ca phosphate binders= calcium containing phosphate binders. Countries: GER= Germany; CH= Switzerland; AT= Austria; FR= France; IT= Italy; PT= Portugal; PL= Poland; LT= Lithuania; CZ= Czech Republic; SRB= Serbia; UK= United Kingdom.