

Supplementary Materials:

Table S1. Correlation between transporter abundance. The Pearson correlation coefficient (*R*) and the *p* value of the correlation are shown.

ORCTL2	-	ORCTL2											
MDR1	-	-	MDR1										
MRP1	-	-	-	MRP1									
MRP2	r=0.6 P=0.003	-	r=0.5 P=0.02	-	MRP2								
MRP4	r=0.5 P=0.002	-	-	-	r=0.8 P<0.001	MRP4							
OAT1	-	-	-	-	-	-	OAT1						
OAT2	r=0.4 P=0.046	-	r=0.6 P=0.002	-	-	-	-	OAT2					
OAT3	-	r=0.4 P=0.04	r=0.4 P=0.01	-	r=0.5 P=0.02	r=0.5 P=0.003	-	r=0.6 P=0.001	OAT3				
OCT2	r=0.4 P=0.008	R=0.3 P=0.04	r=0.4 P=0.02	-	r=0.4 P=0.03	r=0.5 P=0.001	-	r=0.6 P=0.003	r=0.9 P<0.0001	OCT2			
OCT3	-	-	-	-	-	-	-	-	-	-	OCT3		
MATE1	-	-	-	-	-	-	-	r=0.5 P=0.02	r=0.6 P=0.0005	r=0.5 P=0.005	<i>r=-0.9¹</i> <i>P=0.04</i>		

¹ the values reported in *Italic* show a negative correlation between transporters expression

- indicates no significant correlation between transporters expression

Table S2. Overview of used proteospecific peptides and the respective MS parameters.

Protein	Peptide	Q1	Q3.1	Q3.1- CE	Q3.2	Q3.2- CE	Q3.3	Q3.3- CE	DP	EP	CXP
P-gp	AGAVAAEEVLAAIR	635.4	971.4	27	430.2	23	900.3	27	80	10	13
	AGAVAAEEVLAAIR*	639.5	981.4	27	440.2	23	910.3	27	80	10	13
	IATEAIENFR	582.4	749.4	30	565.2	28	678.4	28	70	10	13
	IATEAIENFR*	587.4	759.4	30	575.3	28	688.4	28	70	10	13
MRP1	DGAFAEFLR	513.2	782.5	20	635.4	23	564.4	23	140	10	13
	DGAFAEFLR*	517.9	792.4	20	645.4	23	574.4	23	140	10	13
MRP2	LTIIQDPILFSGSLR	885.4	665.3	36	989.3	51	721.7	36	110	10	13
	LTIIQDPILFSGSLR*	890.4	670.2	36	999.3	51	726.8	36	110	10	13
	YLGDDDLDTSAIR	698.5	547.3	43	1119.4	33	662.3	36	90	10	13
	YLGDDDLDTSAIR*	703.4	557.3	43	1129.4	33	672.3	36	90	10	13
MRP3	IDGLNVADIGLHDLR	541.0	696.8	20	754.4	20	611.9	20	90	10	13
	IDGLNVADIGLHDLR*	544.3	701.8	20	759.3	20	616.8	20	90	10	13
	HIFDHVIGPEGVLAGK	563.9	749.5	27	650.4	29	513.4	37	151	10	13
	HIFDHVIGPEGVLAGK*	566.2	749.4	27	650.4	29	513.4	37	151	10	13
MRP4	SSLISALFR	497.2	706.4	22	593.3	23	401.3	17	90	10	13
	SSLISALFR*	501.9	716.4	22	603.4	23	401.3	17	90	10	13
BCRP	SSLLDVLAAR	522.8	644.3	23	757.3	23	430.3	22	80	10	13
	SSLLDVLAAR*	527.9	654.3	23	767.3	23	440.3	22	80	10	13
	VIQELGLDK	507.3	802.5	20	674.5	23	545.5	30	120	10	13
	VIQELGLDK*	511.3	810.6	20	682.5	23	553.5	30	120	10	13
MATE1	QEEPLPEHPQDGAK	525.7	594.9	21	615.4	31	650.6	24	140	10	13
	QEEPLPEHPQDGAK*	528.1	599.0	21	623.4	31	654.5	24	140	10	13
	GGPEATLEVR	514.94	457.9	23	617.3	23	688.4	30	65	10	13
	GGPEATLEVR*	519.9	462.8	23	627.3	23	698.4	30	65	10	13
Na/K-ATPase	LSLDELHR	328.3	435.2	15	391.7	14	669.3	15	100	10	13
	LSLDELHR*	331.5	440.3	15	396.8	14	679.4	15	100	10	13
OAT1	LVGFLVINSLGR	644,5	758,5	30	659,4	30	871,6	30	140	10	13
	LVGFLVINSLGR*	649,6	768,5	30	669,3	30	881,7	30	140	10	13

OAT2	NVALLALPR	483.2	753.5	20	569.4	20	682.6	21	80	10	13
	NVALLALPR*	488.2	763.6	20	579.4	20	692.5	21	80	10	13
OAT3	VAVFNGK	367.3	564.3	15	635.3	17	465.4	18	60	10	13
	VAVFNGK*	371.2	572.4	15	643.5	17	473.3	18	60	10	13
OCT2	WLISQNK	444.8	589.5	21	476.3	21	702.6	21	100	10	13
	WLISQNK*	448.5	597.3	21	484.4	21	710.4	21	100	10	13
OCT3	GIALPETVDDVEK	693.3	1031.3	25	516.2	28	805.2	38	120	10	13
	GIALPETVDDVEK*	697.3	1039.3	25	520.3	28	813.3	38	120	10	13
PEPT1	GNEVQIK	394.3	616.4	15	487.3	15	388.1	15	60	10	13
	GNEVQIK*	398.0	624.4	15	495.3	15	396.2	15	60	10	13
	TLPVFPK	401.2	587.4	15	391.2	24	490.3	23	70	10	13
	TLPVFPK*	405.2	595.4	15	399.2	24	498.2	23	70	10	13
PEPT2	IEDIPANK	450.3	657.4	19	429.2	27	786.5	20	110	10	13
	IEDIPANK*	454.1	665.4	19	437.3	27	794.6	20	110	10	13
ORCTL2	TDAQAPLPGGPR	590.2	693.3	27	764.5	27	487.2	23	160	10	13
	TDAQAPLPGGPR*	595.1	703.5	27	774.3	27	487.3	23	160	10	13

Peptides highlighted in grey were used for quantification; peptides without accentuation serves as qualifier (CE, collision energy; DP, declustering potential; EP, entrance potential; CXP, collision cell exit potential; Q, quadrupole). .

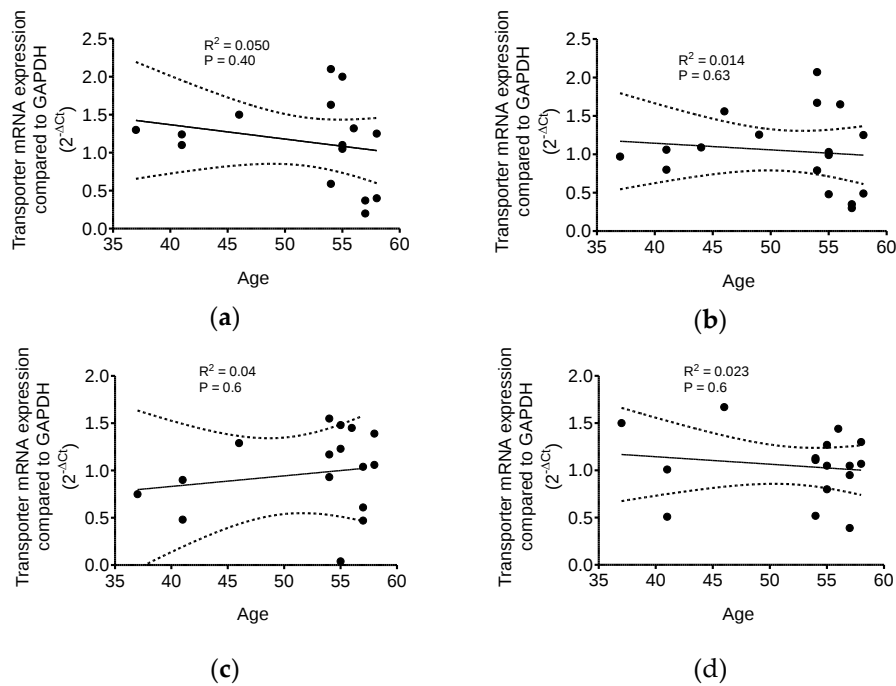


Figure S1. Expression of mRNA for OCT2 (a), MATE1 (b), OAT1 (c), and OAT2 (d) in samples from kidney cortices of male and female patients in dependence from the age in years at the time of surgery. These figures show the mRNA content of these transporters expressed in comparison to the mRNA GAPDH expression as $2^{-\Delta C_t}$ measured by real-time PCR analysis. No significant difference of mRNA expression in samples from male and female patients was detected (not shown). Therefore, both genders were represented together. The linear regression line (solid lines) with the 95% confidence interval (dashed lines) together with the coefficient of regression (R^2) and the P value of the test whether the slope of the regression lines is statistical significantly different from zero are shown. No significant linear relationship between transporter mRNA expression and age was detected.