

Supplementary Tables 1 and 2 for MS 201702014 published in American Journal of Nephrology 2017

"VALIDATION OF SURROGATES OF URINE OSMOLALITY IN POPULATION STUDIES"

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Supplementary Table 1 . Results of Bland-Altman tests comparing estimated U_{osm} to measured U_{osm} .
in the different populations

Cohort	Mean of differences (mmol/L)	95% limit of agreement
GS:SFHS Aberdeen	- 6	- 54 to 43
GS:SFHS Glasgow	- 23	- 80 to 34
CROATIA-Korcula	24	- 44 to 90
SKIPOGH day	9	- 71 to 89
SKIPOGH night	24	- 66 to 114
CKD patients	15	- 37 to 67

The mean of differences corresponds to $mU_{osm} - eU_{osm}$.

Supplementary Table 2. Osmolality and its surrogates in men and women in three different cohorts

Cohort	N	mU_{osm}	eU_{osm}	UCI	eU_{osm}/ mU_{osm}	UCI_{x100}/ mU_{osm}⁽¹⁾	r
Men							
CROATIA-Korcula	187	722 ± 13	697 ± 13	161 ± 2	0.97 ± 0.004	21.97 ± 0.53	0.98
GS:SFHS Aberdeen	240	609 ± 16	615 ± 16	137 ± 5	1.01 ± 0.003	21.64 ± 0.39	0.99
GS:SFHS Glasgow	946	606 ± 8	616 ± 8	130 ± 3	1.01 ± 0.002	20.67 ± 0.21	0.99
Women							
CROATIA-Korcula	264	627 ± 13	604 ± 13	168 ± 6	0.97 ± 0.003	26.50 ± 0.67	0.98
GS:SFHS Aberdeen	312	450 ± 13	455 ± 13	106 ± 4	1.02 ± 0.003	22.80 ± 0.41	0.99
GS:SFHS Glasgow	1359	493 ± 7	499 ± 7	108 ± 2	1.01 ± 0.002	20.76 ± 0.18	0.99
Ratio Men/Women							
CROATIA-Korcula		1.15	1.15	0.95			
GS:SFHS Aberdeen		1.35	1.35	1.29			
GS:SFHS Glasgow		1.23	1.23	1.20			

mU_{osm} in mosm/kg H₂O; eU_{osm} in mosm/L; UCI = U_{creatinine}/P_{creatinine}

Means ± SEM.

(1) For the ratio of UCI/mU_{osm}. UCI was multiplied by 100 to make the reading easier.