

Supplementary table 1 : parameter values of subjects subgrouped according to gender and the meteorological definition of the seasons

	Spring		Summer		Autumn		Winter	
	Men (N=195)	Women (N=78)	Men (N=243)	Women (N=91)	Men (N=343)	Women (N=148)	Men (N=213)	Women (N=92)
LURIC study								
Age (years)	64.3 (58.3-70.8)	68.1 (61.2-74.4)	63.1 (56.1-70.2)	67.3 (59.7-72.6)	66.4 (58.4-71.6)	67.2 (61.7-73.4)	65.2 (58.4-71.8)	68.0 (62.4-72.7)
BMI (kg/m ²)	27.0 (24.9-30.1)	26.0 (24.1-31.3)	27.8 (25.7-30.3)	27.2 (24.5-29.8)	27.4 (25.2-29.8)	26.5 (24.1-30.0)	27.4 (25.2-30.5)	27.4 (24.7-30.1)
sST2 (Pressage; U/mL)	20.2 (15.8-25.6)	18.6 (13.1-25.2)	19.8 (16.2-25.9)	16.9 (14.1-21.7)	19.7 (15.9-25.4)	17.1 (14.4-17.1)	19.9 (16.4-26.1)	17.5 (15.1-22.6)
Vitamin D (ng/mL)	12.1 (8.2-15.7)	8.8 (6.5-12.6)	21.5 (15.7-28.0)	18.6 (11.9-25.3)	18.6 (14.0-25.1)	13.8 (14.4-22.6)	13.9 (8.2-19.6)	9.3 (6.8-14.0)
PTH (pg/mL)	32.0 (22.0-42.0)	31.5 (24.0-46.3)	29.0 (22.0-37.0)	30.0 (21.0-42.0)	29.0 (22.0-39.0)	33.0 (23.3-44.0)	29.0 (21.0-39.0)	31.0 (25.0-46.8)
1,25(OH)2D (ng/L)	28.7 (21.6-38.3)	26.6 (19.7-36.5)	35.8 (28.5-42.4)	33.5 (24.7-40.7)	26.9 (28.9-48.6)	33.2 (25.0-43.8)	33.3 (23.1-42.8)	30.2 (21.9-37.5)
Serum calcium (mmol/L)	2.3 (2.3-2.4)	2.3 (2.2-2.4)	2.3 (2.3-2.4)	2.3 (2.2-2.4)	2.3 (2.3-2.4)	2.3 (2.3-2.4)	2.3 (2.3-2.4)	2.3 (2.3-2.4)
Serum phosphate (mg/dL)	3.4 (3.1-3.7)	3.8 (3.4-4.2)	3.3 (3.0-3.7)	3.8 (3.3-4.1)	3.4 (3.0-3.7)	3.6 (3.3-4.0)	3.4 (3.0-3.8)	3.7 (3.4-4.0)
eGFR (CKD-EPI) (mL/min/1.73m ²)	83.6 (67.7-97.1)	78.6 (61.6-93.4)	83.6 (67.0-97.1)	83.6 (74.0-98.6)	82.6 (70.0-95.7)	85.8 (70.2-101.5)	85.8 (72.0-100.0)	83.6 (67.2-96.8)
C-reactive protein (mg/L)	3.6 (1.4-9.9)	5.1 (2.1-9.8)	4.1 (1.7-9.2)	4.5 (1.9-8.8)	3.7 (1.4-9.9)	3.7 (1.6-9.3)	2.8 (1.1-6.5)	3.3 (1.3-7.1)
IL-6 (ng/L)	3.3 (1.7-6.6)	3.1 (1.6-6.1)	3.7 (2.1-6.2)	3.6 (2.1-5.4)	3.6 (2.1-6.8)	3.2 (2.2-5.8)	2.9 (1.7-5.3)	3.0 (1.5-5.8)
Active or previous smoker (%)	74	37	92	31	74	35	74	29
Type 2 diabetes mellitus (%)	38	39	36	33	35	33	41	35
Previous myocardial infarctions (%)	46	37	49	34	47	32	47	27
Previous stroke, PRIND and/or TIA (%)	9	15	13	12	13	12	8	10
Heart failure (%)	50	59	48	57	46	50	41	42