

Supplementary table 3. OR (95% CI) for nocturia across quartiles of blood immune-inflammatory indexes*

	Crude Model	P value	Model 1	P value	Model 2	P value
PIV						
Q1 (< 181.50)	1[Reference]		1[Reference]		1[Reference]	
Q2 (181.50–276.64)	0.95(0.66,1.36)	0.77	0.96(0.65,1.43)	0.84	0.98(0.65,1.50)	0.93
Q3 (276.65–421.83)	0.91(0.63,1.33)	0.63	0.88(0.58,1.34)	0.55	0.91(0.59,1.41)	0.65
Q4 (≥ 421.84)	1.34(1.02,1.77)	0.04	1.26(0.94,1.70)	0.12	1.25(0.91,1.71)	0.15
P for trend		0.01		0.06		0.10
SIRI						
Q1 (< 0.80)	1[Reference]		1[Reference]		1[Reference]	
Q2 (0.80–1.14)	0.84(0.61,1.15)	0.27	0.87(0.61,1.22)	0.39	0.86(0.60,1.22)	0.36
Q3 (1.15–1.65)	1.26(0.89,1.77)	0.18	1.20(0.80,1.80)	0.36	1.17(0.76,1.81)	0.45
Q4 (≥ 1.66)	1.58(1.16,2.16)	0.01	1.39(1.00,1.94)	0.05	1.30(0.92,1.84)	0.12
P for trend		< 0.01		0.01		0.04
SII						
Q1 (< 356.13)	1[Reference]		1[Reference]		1[Reference]	
Q2 (356.13–500.41)	0.78(0.57,1.07)	0.12	0.78(0.57,1.08)	0.12	0.82(0.60,1.12)	0.19
Q3 (500.42–702.31)	0.79(0.60,1.04)	0.10	0.85(0.63,1.14)	0.26	0.87(0.65,1.17)	0.35
Q4 (≥ 702.32)	1.03(0.78,1.38)	0.81	1.03(0.78,1.37)	0.81	1.04(0.78,1.40)	0.76
P for trend		0.39		0.36		0.39
NLR						
Q1 (< 1.56)	1[Reference]		1[Reference]		1[Reference]	
Q2 (1.56–2.08)	0.83(0.54,1.27)	0.37	0.95(0.61,1.47)	0.81	0.94(0.59,1.48)	0.77
Q3 (2.09–2.72)	1.20(0.86,1.66)	0.27	1.25(0.88,1.79)	0.20	1.23(0.86,1.76)	0.25
Q4 (≥ 2.73)	1.45(1.04,2.02)	0.03	1.32(0.94,1.87)	0.10	1.25(0.88,1.77)	0.20
P for trend		< 0.01		0.03		0.06
dNLR						
Q1 (< 1.13)	1[Reference]		1[Reference]		1[Reference]	
Q2 (1.13–1.44)	0.97(0.69,1.37)	0.85	1.03(0.70,1.51)	0.88	1.02(0.68,1.53)	0.91
Q3 (1.45–1.84)	1.04(0.75,1.44)	0.83	1.11(0.78,1.60)	0.53	1.11(0.78,1.59)	0.54
Q4 (≥ 1.85)	1.24(0.88,1.76)	0.22	1.18(0.82,1.70)	0.36	1.13(0.77,1.65)	0.51
P for trend		0.16		0.29		0.44
MLR						
Q1 (< 0.22)	1[Reference]		1[Reference]		1[Reference]	
Q2 (0.22–0.29)	0.88(0.62,1.24)	0.45	0.92(0.65,1.30)	0.62	0.92(0.65,1.30)	0.60
Q3 (0.30–0.37)	1.34(0.97,1.87)	0.08	1.37(1.00,1.87)	0.05	1.37(0.98,1.89)	0.06
Q4 (≥ 0.38)	1.83(1.32,2.53)	< 0.01	1.56(1.13,2.16)	0.01	1.49(1.07,2.08)	0.02
P for trend		< 0.01		< 0.01		< 0.01
PLR						
Q1 (< 97.90)	1[Reference]		1[Reference]		1[Reference]	
Q2 (97.90–124.74)	0.79(0.56,1.11)	0.17	0.80(0.56,1.15)	0.21	0.84(0.57,1.24)	0.36
Q3 (124.75–159.41)	0.80(0.62,1.04)	0.09	0.94(0.74,1.20)	0.62	1.02(0.79,1.32)	0.86
Q4 (≥ 159.42)	1.01(0.70,1.45)	0.96	1.02(0.72,1.45)	0.91	1.08(0.74,1.56)	0.67
P for trend		0.74		0.54		0.40
CRP, mg/dl						
Q1 (< 0.09)	1[Reference]		1[Reference]		1[Reference]	

Q2 (0.09–0.20)	1.13(0.80,1.61)	0.47	1.07(0.76,1.51)	0.70	1.04(0.75,1.46)	0.23
Q3 (0.21–0.43)	1.39(0.98,1.98)	0.06	1.18(0.81,1.71)	0.38	1.16(0.80,1.69)	0.66
Q4 (≥ 0.43)	2.19(1.61,2.98)	< 0.01	1.67(1.14,2.43)	0.01	1.59(1.08,2.34)	0.02
P for trend		< 0.01		< 0.01		< 0.01

Abbreviations: *OR*, odds ratio; *CI*, confidence interval; PIV, pan-immune-inflammation value; SII, systemic immune-inflammation index; NLR, neutrophil to lymphocyte ratio; dNLR, derived neutrophil-to-lymphocyte ratio; MLR, monocyte to lymphocyte ratio; PLR, platelet to lymphocyte ratio; CRP, C-reactive protein.

*Values are numerical values or weighted *OR* (95% *CI*).

Model 1 was adjusted for age, race/ethnicity, education level, smoking status, alcohol use, and BMI;

Model 2 was additionally adjusted for total cholesterol, and a history of diabetes and hypertension.