

Supplemental data

Supplemental Table 2

Individual metabolic syndrome components and metabolic syndrome according to ISUP pathological Gleason score and pathological stage

Features	Pathological ISUP				Pathological stage			
	ISUP < 3 N° (%)	ISUP ≥ 3 N° (%)	Adjusted OR (IC95%) ^a	P-value	pT2 and N0 N° (%)	pT3 or pT4 or N1 N° (%)	Adjusted OR (IC95%) ^a	P-value
Metabolic components								
Elevated blood pressure	105 (60.0)	48 (69.6)	1.49 (0.82-2.72)	0.19	124 (62.3)	29 (64.4)	1.11 (0.56-2.21)	0.76
Elevated fasting glucose	53 (30.3)	26 (37.1)	1.32 (0.73-2.40)	0.36	64 (32.0)	15 (33.3)	1.04 (0.51-2.10)	0.92
Elevated waist circumference (≥ 94 cm)	89 (52.7)	50 (73.5)	2.51 (1.35-4.68)	0.004	11 (57.5)	28 (63.6)	1.31 (0.66-2.62)	0.44
Elevated waist circumference (≥ 102 cm)	37 (21.9)	22 (32.4)	1.70 (0.91-3.19)	0.10	49 (25.4)	10 (22.7)	0.84 (0.38-1.86)	0.67
Elevated waist-to-hip ratio (≥ 0.95)	62 (36.9)	34 (50.0)	1.70 (0.95-3.02)	0.07	82 (42.7)	14 (31.8)	0.59 (0.29-1.20)	0.15
Elevated Body Mass Index (≥ 30 kg/m ²)	23 (11.6)	5 (11.1)	1.05 (0.36-3.01)	0.94	18 (10.3)	10 (14.3)	1.56 (0.67-3.67)	0.31
Elevated triglycerides	31 (20.3)	16 (25.8)	1.50 (0.74-3.04)	0.26	38 (21.3)	10 (23.8)	1.17 (0.52-2.64)	0.70
Reduced HDL-Cholesterol	21 (13.5)	10 (16.4)	1.28 (0.56-2.94)	0.56	22 (12.6)	9 (21.4)	1.81 (0.76-4.35)	0.18
Metabolic syndrome								
With waist circumference (≥ 94 cm)	51 (31.1)	23 (36.5)	1.29 (0.70-2.38)	0.42	61 (33.0)	13 (31.0)	0.93 (0.45-1.91)	0.83
With waist circumference (≥ 102 cm)	40 (24.7)	17 (27.4)	1.17 (0.60-2.28)	0.64	45 (24.6)	12 (29.3)	1.31 (0.61-2.78)	0.49
With waist-to-hip ratio (≥ 0.95)	44 (27.0)	22 (34.9)	1.34 (0.71-2.52)	0.36	52 (28.6)	13 (31.0)	1.14 (0.55-2.36)	0.73
With body mass index (≥ 30 kg/m ²)	27 (16.8)	12 (18.8)	1.16 (0.55-2.48)	0.69	29 (15.8)	10 (23.8)	1.71 (0.75-3.89)	0.20
With mandatory hypertension ^b	44 (27.0)	22 (34.9)	1.47 (0.79-2.74)	0.23	56 (30.4)	10 (23.8)	0.72 (0.33-1.57)	0.41

^a Adjusted to age at surgery and prior PSA testing

^b With waist circumference criteria ≥ 94 cm