E*n*M

Supplemental Table S5. Risk Factors of Vertebral Fracture in Patients with Acromegaly

Variable	Vertebral fractures		Univariate sHR (95% CI)	P value	Multivariable sHR (95% CI)	P value
	Yes (n=12)	No (n=919)				
Age, yr	59.6±11.1	46.1±12.5	1.12 (1.05–1.20)	0.001[a]	1.09 (1.00–1.18)	0.042[a]
Sex						
Male	5 (41.7)	460 (50.1)	1 (Ref.)		1 (Ref.)	
Female	7 (58.3)	459 (49.9)	1.39 (0.44–4.39)	0.575	0.87 (0.22–3.51)	0.844
Socioeconomic status				0.610		
Low	4 (33.3)	212 (23.1)	1.58 (0.40–6.21)	0.515		
Middle	4 (33.3)	305 (33.2)	1 (Ref.)			
High	4 (33.3)	402 (43.7)	0.80 (0.20–3.13)	0.745		
Baseline comorbidities						
Type 2 DM	6 (0.6)	217 (23.3)	3.43 (1.11–10.60)	0.032	1.36 (0.42–4.33)	0.607
Hypertension	4 (0.4)	142 (15.3)	3.03 (0.93–9.84)	0.065		
Cardio-cerebrovascular disease	4 (0.4)	33 (3.5)	11.45 (3.40–38.58)	<0.001[a]	10.64 (2.30–49.22)	0.003[a]
COPD	0	59 (6.3)	-			
Rheumatoid arthritis	1 (8.3)	43 (4.6)	1.48 (0.20–10.82)	0.697		
Chronic liver disease	0	45 (4.8)	-			
Any previous fracture history	1 (8.3)	8 (0.9)	17.89 (2.21–145.02)	0.007[a]	16.20 (1.21–217.89)	0.036[a]
Treated hypogonadism	0	16 (1.7)	-			
Concurrent recent medication use						
Steroids	2 (16.7)	32 (3.4)	5.89 (1.28–27.06)	0.023[a]	6.27 (1.37–28.80)	0.018[a]
Acid-suppressant medication	6 (0.6)	93 (10.0)	10.78 (3.36–34.60)	<0.001[a]	5.26 (1.27–21.68)	0.022[a]
Psychotropic medication	3 (0.3)	70 (7.5)	3.80 (1.04–13.90)	0.044[a]	1.61 (0.41–6.40)	0.496
Opioid	3 (0.3)	38 (4.1)	8.31 (2.29–30.19)	0.001[a]	2.09 (0.40–10.90)	0.381
Warfarin	0	1 (0.1)	-		-	

Values are expressed as mean±standard deviation or number (%).
sHR, sub-distribution hazard ratio; CI, confidence interval; DM, diabetes mellitus; COPD, chronic obstructive pulmonary disease.
[a]Statistical significance at $P<0.05$.