

**Supplementary table 1:** Pituitary-gonadal levels in men and women hospitalized with COVID-19 by need of mechanical ventilation during hospitalization

	Men			Women		
	Mechanically ventilated	Not mechanically ventilated	p-value	Mechanically ventilated	Not mechanically ventilated	p-value
Age, years (IQR)	72 (55-81)	66 (60-74)	0.143	68 (60-74)	74 (65-83)	0.337
BMI, kg/m <sup>2</sup> (SD)	30.6 (6.7)	28.0 (4.6)	0.113	31.7 (5.4)	28.9 (8.3)	0.428
Testosterone, nmol/L, (IQR)	1.3 (1.1-2.3)	3.6 (2.1-6.0)	<b>0.001</b>	0.4 (0.3-0.6)	0.5 (0.4-0.7)	0.186
Estrone-sulfate, nmol/L, (IQR)	4.9 (2.9-9.1)	2.1 (1.1-5.4)	<b>0.010</b>	2.9 (1.0-4.3)	1.9 (1.0-3.2)	0.589
LH, IU/L (IQR)	2.4 (1.8-2.8)	6.1 (4.0-9.0)	<b>0.001</b>	1.3 (0.8-3.7)	10.0 (3.1-23.9)	<b>0.022</b>
FSH, IU/L (IQR)	1.3 (1.1-2.3)	5.3 (2.1-6.0)	<b>0.001</b>	7.4 (5.1-9.4)	28.2 (8.8-41.4)	<b>0.029</b>

Abbreviations: COVID-19: Coronavirus disease

ase 2019, BMI: Body-mass-index, LH: Leuteinizing hormone, FSH: Follicle stimulating hormone, IQR: Interquartile range, SD: Standard deviation