

Supplementary Table 1. Results of comparison between 'HC and ET subgroups' and 'within subgroups of ET' using Kruskal-Wallis H test for EGG and MDVP parameters of phonation

Parameters	HC	NVT	Mild VT	Moderate VT	Severe VT	Kruskal-Wallis H Statistics	p-value	Results of Post-hoc*: significant comparisons
CQ (%)	45.86 (44.81, 46.52)	42.28 (41.12, 50.15)	39.48 (36.33, 41.22)	55.04 (53.23, 57.08)	57.96 (54.32, 59.66)	85.33	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and moderate VT NVT and severe VT Mild and moderate VT Mild and severe VT
F ₀ (Hz)	123.17 (113.44, 135.59)	129.70 (120.72, 135.83)	154.50 (107.60, 164.25)	166.60 (165.05, 168.96)	168.25 (146.36, 175.62)	58.57	< 0.001	HC and moderate VT HC and severe VT NVT and moderate VT NVT and severe VT Mild and moderate VT Mild and severe VT
Jitt (%)	0.72 (0.50, 0.98)	0.82 (0.38, 1.29)	1.52 (1.13, 2.93)	2.69 (2.29, 2.83)	3.82 (3.08, 4.59)	92.85	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and moderate VT NVT and severe VT Mild and severe VT
sPPQ (%)	0.62 (0.54, 0.85)	0.65 (0.45, 1.00)	1.70 (1.01, 2.24)	2.89 (2.13, 3.07)	3.69 (2.76, 4.07)	95.73	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and mild VT NVT and moderate VT NVT and severe VT Mild and severe VT
vF ₀ (%)	1.40 (0.94, 1.98)	1.42 (0.79, 1.98)	12.59 (11.78, 13.92)	14.26 (13.35, 15.19)	24.62 (23.47, 25.60)	101.97	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and mild VT NVT and moderate VT NVT and severe VT
Shim (%)	3.92 (3.28, 5.39)	4.82 (3.50, 6.28)	4.35 (3.69, 4.99)	4.25 (3.67, 6.53)	5.74 (4.21, 8.25)	15.51	0.004	HC and severe VT
sAPQ (%)	5.23 (4.48, 5.96)	6.81 (3.42, 10.45)	6.15 (4.39, 7.28)	7.16 (5.68, 11.56)	7.39 (5.97, 11.68)	28.62	< 0.001	HC and moderate VT HC and severe VT
vAm (%)	13.59 (8.67, 17.51)	8.66 (6.96, 11.43)	34.71 (33.21, 38.38)	43.77 (40.89, 48.00)	42.77 (41.16, 45.25)	101.66	< 0.001	HC and mild VT HC and severe VT HC and moderate VT NVT and mild VT NVT and severe VT NVT and moderate VT Mild and moderate VT
NHR	0.14 (0.12, 0.16)	0.13 (0.13, 0.16)	0.15 (0.14, 0.18)	0.16 (0.14, 0.19)	0.15 (0.14, 0.19)	22.64	< 0.001	HC and mild VT HC and moderate VT HC and severe VT
SPI	19.44 (9.72, 23.18)	6.67 (3.90, 7.70)	10.75 (8.71, 22.83)	14.45 (13.21, 15.98)	19.72 (15.60, 24.39)	34.19	< 0.001	HC and NVT NVT and mild VT NVT and moderate VT NVT and severe VT
Fftr (Hz)	3.54 (3.11, 4.73)	3.60 (3.34, 4.09)	4.12 (2.34, 5.33)	5.08 (4.26, 7.24)	7.72 (6.26, 8.92)	33.55	< 0.001	HC and moderate VT HC and severe VT NVT and severe VT Mild and severe VT
Fatr (Hz)	3.15 (2.56, 5.02)	3.45 (2.68, 4.20)	6.04 (4.49, 6.99)	7.09 (5.10, 7.91)	7.96 (6.36, 9.30)	58.97	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and mild VT NVT and moderate VT NVT and severe VT
FTRI (%)	0.29 (0.19, 0.39)	0.34 (0.24, 0.54)	2.36 (1.39, 2.78)	3.72 (2.77, 4.32)	5.52 (4.44, 6.15)	105.03	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and mild VT NVT and moderate VT NVT and severe VT
ATRI (%)	3.21 (2.20, 4.82)	3.53 (3.07, 5.67)	7.25 (4.29, 8.92)	14.51 (12.74, 15.83)	20.81 (19.12, 25.78)	93.27	< 0.001	HC and mild VT HC and moderate VT HC and severe VT NVT and moderate VT NVT and severe VT Mild and severe VT

The median and interquartile range is reported for healthy control (HC), no vocal tremor (NVT), mild vocal tremor (mild VT), moderate vocal tremor (moderate VT), and severe vocal tremor (severe VT). *significant difference noted using Bonferroni corrected p-values checked at 5% level significance. EGG: electroglottography, MDVP: multidimensional voice program, CQ: contact quotient, F₀: fundamental frequency, Jitt: jitter, sPPQ: smoothened pitch period perturbation quotient, vF₀: coefficient of frequency variation, Shim: shimmer, sAPQ: smoothened amplitude perturbation quotient, vAm: coefficient of amplitude variation, NHR: noise to harmonic ratio, SPI: soft phonation index, Fftr: rate of frequency tremor, Fatr: rate of amplitude tremor, FTRI: magnitude of frequency tremor, ATRI: magnitude of amplitude tremor, Hz: hertz, %: percentage, ET: essential tremor.