

**SUPPLEMENTARY MATERIAL**

**Table 2.** Morphometric and textural parameters (variation coefficients), according to the histological material evaluated.

<i>Parameter</i>	<i>Histopathologic material*</i>				<i>P**</i>
	<i>NT</i>	<i>FA</i>	<i>FVPC</i>	<i>FC</i>	
CV-Area	27.42 (20.7; 32.38)	25.06 (21.74; 28.85)	30.65 (24.26; 33.99)	28.5 (22.14; 31.97)	0.08
CV-Mean Intensity	24.09 (21.18; 26.18)	24.47 (22.53; 26.91)	22.3 (20.31; 25.44)	25.47 (23.38; 28.2)	0.02
CV-STDEV	23.07 (20.58; 25.5)	21.46 (19.47; 24.63)	22.41 (18.94; 25)	24.55 (18.57; 30.75)	0.24
CV-Perimeter	16.85 (13.53; 19.23)	16.06 (12.2; 20.14)	18.93 (14.95; 21.72)	21.57 (15.63; 24.62)	0.01
CV-Circularity	12.84 (8.57; 18.03)	13.12 (9.74; 15.9)	15.89 (11.46; 21.53)	20.3 (16.33; 25.06)	0.00
CV-Feret	17.53 (14.53; 20.33)	15.38 (12.69; 19.15)	17.28 (14.75; 20.19)	19.12 (15.48; 20.99)	0.22
CV-Median Intensity	33.22 (29.48; 35.84)	32.94 (29.13; 36.66)	27.41 (24.34; 32.62)	32.95 (29.1; 36.64)	0.00
CV-AR	23.59 (20.2; 27.56)	18.72 (15.75; 24.14)	22.53 (17.33; 29.03)	20.44 (16.5; 23.21)	0.05
CV-Round	18.96 (15.68; 22.91)	15.65 (13.52; 21.28)	17.93 (14.51; 21.65)	16.68 (13.83; 19.04)	0.04
CV-Solidity	3.96 (2.09; 5.76)	4.42 (2.78; 5.99)	5.23 (3.57; 7.61)	6.87 (5.38; 8.6)	0.00
CV-Fractal	1.53 (1.31; 1.71)	1.7 (1.43; 2.15)	1.87 (1.38; 2.51)	1.54 (1.4; 1.88)	0.01
CV-Entropy	0.35 (0.32; 0.39)	0.31 (0.22; 0.42)	0.47 (0.38; 0.58)	0.56 (0.33; 0.68)	0.00
CV- Perimeter/Area	0.58 (0.53; 0.68)	0.61 (0.53; 0.75)	0.61 (0.55; 0.75)	0.82 (0.65; 0.89)	0.00
CV-RA	15.5 (13.55; 16.93)	14.25 (11.51; 18.14)	21.81 (18.39; 24.88)	21.37 (16.34; 24.5)	0.00

\*Median (percentile 25; percentile 75). \*\*Significant differences (between the four groups):  $p < 0.05$ ; statistical test: Kruskal-Wallis. FA: follicular adenoma; AR: *Aspect Ratio*; FC: follicular carcinoma; CV: coefficient of variation; NT: normal thyroid; RA: roughness; *STDEV*: standard deviation of Gray intensity; FVPC: follicular variant of papillary carcinoma.  $\mu\text{m}$ : micrometer.