

Supplementary Table 1. Ninety-six extracted features from ultrasonography of the thyroid nodules

| Group | No. | Feature | |
|---------------------------|--------------------|--|---|
| Densitometric (histogram) | 9 | Min, Max, Mean, Stdev, Variance, Skewness, Kurtosis, Energy, Entropy | |
| Morphometric | 13 | Area, Roundness, Extent, Compactness, Convex area, Convex perimeter, Roughness, Concavity, Solidity, Feret diameter, Elongation, Wadells circularity, Heywood circularity factor | |
| Texture | GLCM | 32 | Contrast, Dissimilarity, Homogeneity, ASM, Energy, Probability max, Entropy, Correlation |
| | GLRLM | 16 | GLN, RLN, LGRE, HGRE |
| | Gabor | 12 | O1S1, O2S1, O3S1, O4S1, O1S2, O2S2, O3S2, O4S2, O1S3, O2S3, O3S3, O4S3 |
| | Haar wavelet, Lv.2 | 14 | Energy LL2, Energy LH2, Energy HL2, Energy HH2, Energy LH1, Energy HL1, Energy HH1, Entropy LL2, Entropy LH2, Entropy HL2, Entropy HH2, Entropy LH1, Entropy HL1, Entropy HH1 |

GLCM, gray-level co-occurrence matrix; GLRLM, gray-level run length matrix; GLN, gray level nonuniformity; RLN, run length nonuniformity; LGRE, low gray-level run emphasis; HGRE, high gray-level run emphasis.