

On-line Table: Texture parameters differentiating between HPV-positive and HPV-negative primary oropharyngeal squamous cell carcinomas

Texture Feature Type	HPV+		HPV-		P Value	Q Value
	Mean	SD	Mean	SD		
Histogram						
Mean	1079.56	46.57	1072.7	47.46	.204	0.408
Median	1113.04	16.47	1108.86	11.63	.006 ^a	0.036 ^a
SD	283.43	58.66	288.02	56.36	.492	0.66
Entropy	4.97	0.368	5.09	0.472	.016 ^a	0.048 ^a
Second SD	25.69	24.74	26.95	25.08	.66	0.66
Range	73.49	68.71	77.23	68.75	.637	0.66
Geometric mean	862.24	101.34	849.47	102.1	.278	0.695
Harmonic mean	206.29	76.48	194.14	70.61	.16	0.695
IQR	63.85	105.21	67.35	101.79	.771	0.771
Fourth moment	5.32e10	1.43e10	5.38e10	1.29e10	.664	0.771
Test	0.52	0.302	0.542	0.3	.535	0.771
SD5	24.51	20.72	25.65	21.87	.636	0.882
SD9	27.7	51.69	26.41	22.35	.733	0.882
GLCM						
Entropy	0.318	0.118	0.35	0.145	.043 ^a	0.215
Contrast	46.76	23.92	48.17	23.86	.608	0.61
Correlation	0.635	0.016	0.633	0.016	.273	0.455
Energy	0.172	0.049	0.163	0.072	.235	0.455
Homogeneity	0.732	0.073	0.728	0.08	.61	0.61
GLRL						
SRE	0.036	0.011	0.037	0.01	.681	0.832
LRE	0.03	0.01	0.031	0.009	.494	0.832
GLN	0.039	0.011	0.041	0.01	.237	0.832
RLN	0.03	0.01	0.031	0.009	.503	0.832
RP	460.89	32.15	458.92	31.05	.592	0.832
LGRE	468.72	31.79	466.8	30.21	.595	0.832
HGRE	449.12	26.62	444.33	23.38	.108	0.832
SRLGE	468.3	31.45	466.52	28.31	.614	0.832
SRHGE	470.81	184.75	470.71	183.47	.996	0.996
LRLGE	579.83	238.21	563.93	248.82	.567	0.832
LRHGE	482.73	199.21	489.38	220.25	.778	0.856
Law's features						
L1	401,821.11	325,110.7	422,605.05	325,602.85	.581	0.882
L2	54,555.47	60,864.25	58,191.05	68,155.05	.618	0.882
L3	17,363.96	18,721.23	17,640.11	15,020.79	.882	0.882
L4	106,067.83	96,438.7	110,816.02	101,029.14	.675	0.882
L5	12,496.82	15,684.58	12,961.13	12,959.07	.771	0.882
L6	6280.85	8470.03	6478.15	6652.15	.813	0.882
L7	7788.3	9881.08	7957.37	7834.28	.863	0.882
L8	7667.9	7172.81	7838.78	5444.25	.804	0.882
L9	47,127.81	39,972.47	48,634.72	33,942.65	.715	0.882
GLGM						
MGR	2.54	1.24	2.5	1.29	.777	0.973
VGR	7010.66	3189.11	6941.28	3368.99	.852	0.973
Skewness	45.99	13.14	46.04	12.49	.973	0.973
Kurtosis	2402.82	1459.38	2389.66	1355.96	.936	0.973

Note:—GLN indicates gray-level nonuniformity; SRE, short-run emphasis; LRE, long-run emphasis; RLN, run-length nonuniformity; RP, run percentage; LGRE, low gray-level run emphasis; HGRE, high gray-level run emphasis; SRLGE, short-run low gray-level emphasis; SRHGE, short-run high gray-level emphasis; LRLGE, long-run low gray-level emphasis; LRHGE, long-run high gray-level emphasis; MGR, mean gradients; VGR, variance of gradients; IQR, interquartile range.

^a Significant.