

a) SD (HGG vs LGG)						
SSF	Threshold	AUC (pvalue)	Sensitivity/ Specificity (%)	PPV	NPV	
0	>506	0.898 (>0.0001)	82.4/88.9	94.9	66.7	
2	>1127	0.910 (<0.0001)	80.9/92.6	96.5	65.8	
3	>1268	0.887 (<0.0001)	77.3/92.6	96.2	62.5	
4	>951	0.873 (<0.0001)	80.3/88.9	94.6	64.9	
5	>913	0.856 (<0.0001)	75.4/88.5	94.2	59.0	
6	>839	0.846 (<0.0001)	75.4/86.4	93.9	55.9	
b) SD (grade II vs III)						
0	>506	0.821 (<0.0001)	67.6/88.9	88.5	68.6	
2	>814	0.837 (<0.0001)	70.6/85.2	85.7	69.7	
3	>1268	0.802 (<0.0001)	57.6/92.6	90.5	64.1	
4	>951	0.787 (<0.0001)	60.6/88.9	87.0	64.9	
5	>913	0.783 (<0.0001)	53.1/92.0	85.0	60.5	
6	>839	0.766 (<0.0001)	57.1/86.4	84.2	61.2	
c) SD (grade III vs IV)						
0	>617	0.728 (<0.0001)	97/44.1	63.5	93.7	
2	>1041	0.697 (0.003)	100/38.2	61.8	100.0	
3	>1630	0.692 (0.005)	90.9/54.6	66.7	85.7	
4	>1017	0.711 (0.001)	100/45.5	64.0	93.7	
5	>1124	0.714 (0.001)	97/50	66.7	94.1	
6	>751	0.673 (0.017)	97/42.9	66.7	92.3	

SSF = spacial scale factor, SD = standard deviation, PPV= positive predictive value,
 NPV = negative predictive value