

ms-nodules on ELCAP

I. OVERALL STATISTICS

The confusion matrix for each type is shown in Table I. The overall classification rate is 86.5%. Results for all cases are shown. Scores are presented on the most right of the image. It should be noted that cases not correctly classified are labeled out using red rectangles.

TABLE I
CONFUSION MATRIX FOR *ms-nodules* ON ELCAP

	G	W	N	P	V	J
G	0.81	0.02	0.17	0.00	0.00	0.00
W	0.02	0.86	0.03	0.01	0.08	0.01
N	0.00	0.00	1.00	0.00	0.00	0.00
P	0.08	0.00	0.17	0.75	0.00	0.00
V	0.01	0.01	0.09	0.00	0.82	0.06
J	0.02	0.00	0.16	0.00	0.00	0.81

G = Ground glass optic
P = Pleural-tail

W = Well-circumscribed
V = Vascularized

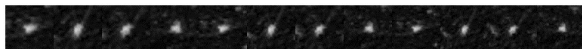
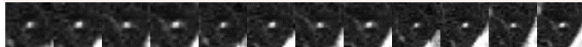
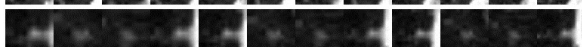
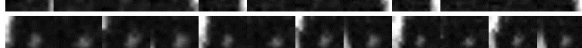
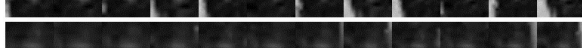
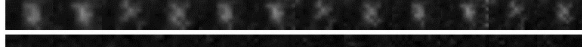
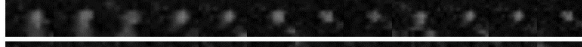
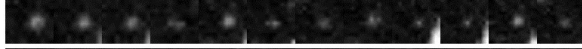
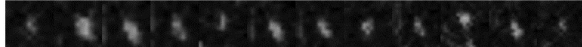
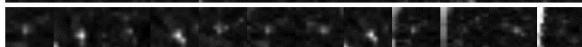
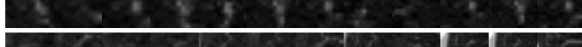
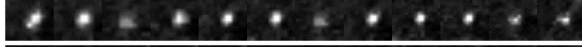
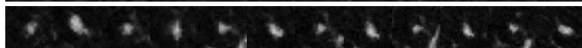
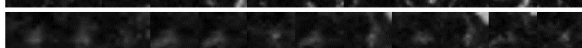
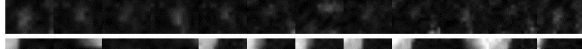
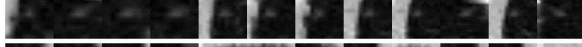
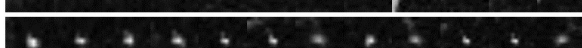
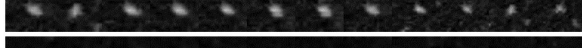
N = Non-nodule
J = Juxta-pleural

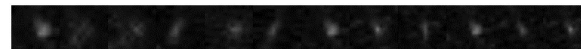
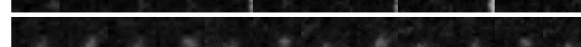
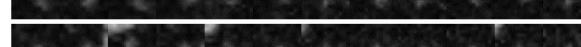
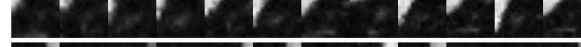
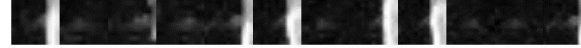
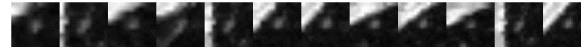
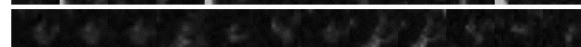
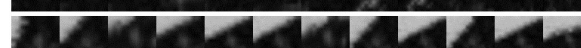
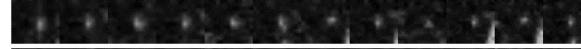
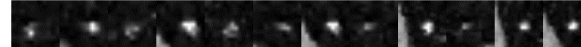
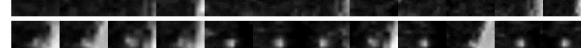
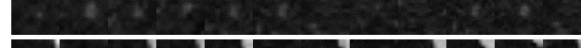
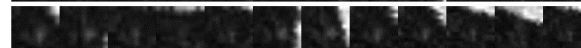
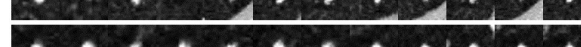
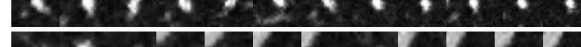
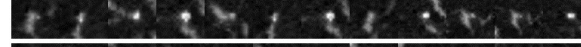
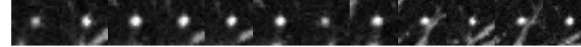
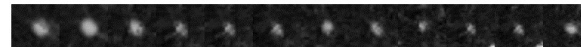
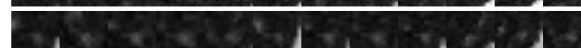
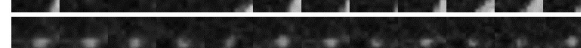
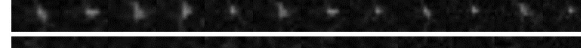
II. RESULTS

Click highlighted link to jump to corresponding section.

- [II-A](#) Well-circumscribed
- [II-B](#) GGO
- [II-C](#) Juxta-pleural
- [II-D](#) Pleural-tail
- [II-E](#) Vascularized
- [II-F](#) Non-nodule

A. *Well-circumscribed for ms-nodules*

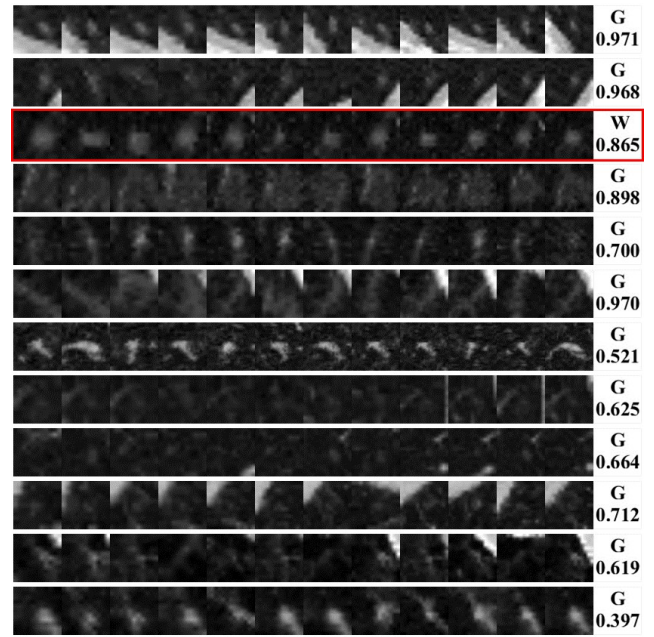
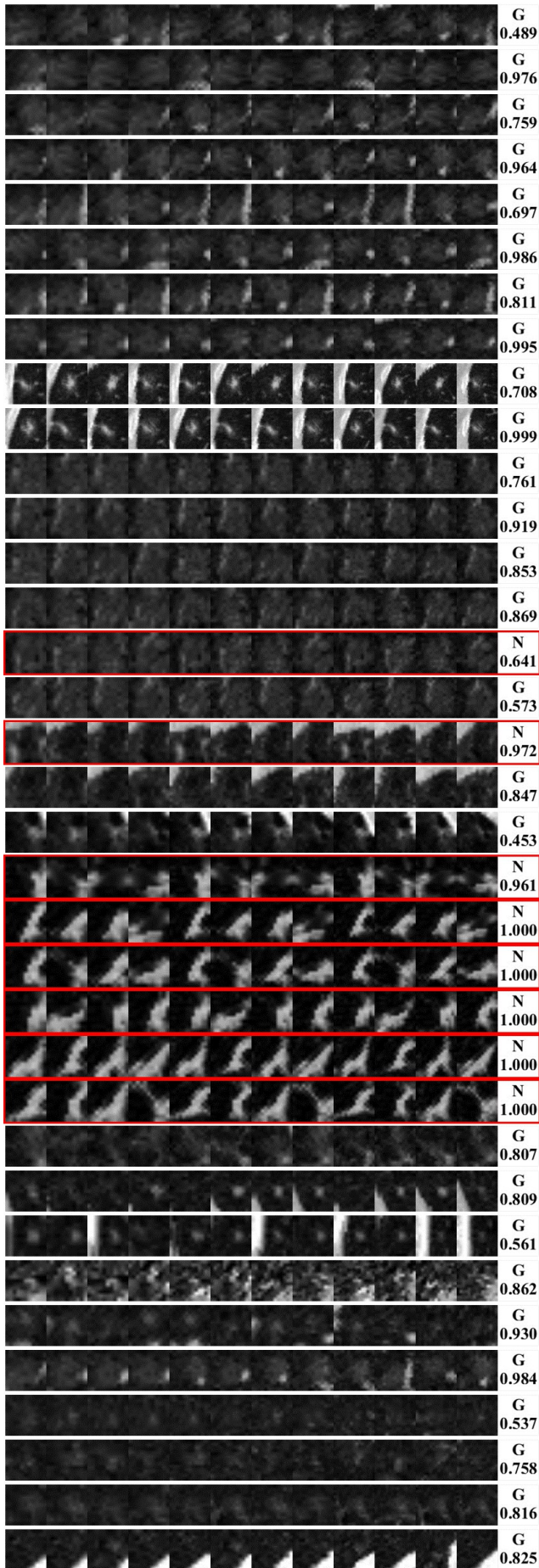
	W
	0.894
	W
	0.718
	W
	0.919
	W
	0.905
	V
	0.681
	V
	0.743
	V
	0.860
	W
	0.598
	W
	0.840
	W
	0.825
	W
	0.527
	W
	0.736
	W
	0.873
	W
	0.966
	W
	0.565
	W
	0.979
	W
	0.846
	W
	0.956
	W
	0.892
	W
	0.638
	W
	0.919
	W
	0.992
	W
	0.992
	W
	0.976
	V
	0.974
	W
	0.726
	W
	0.982
	W
	0.621
	W
	0.649
	N
	0.985
	W
	0.806
	W
	0.979
	W
	0.567
	W
	0.874
	W
	0.972

	W
	0.765
	W
	0.873
	W
	0.987
	W
	0.981
	W
	0.552
	W
	0.834
	W
	0.586
	W
	0.932
	W
	0.996
	W
	0.990
	J
	0.757
	V
	0.974
	V
	0.709
	W
	0.954
	W
	0.849
	W
	0.869
	W
	0.637
	W
	0.956
	V
	0.528
	W
	0.479
	W
	0.967
	W
	0.744
	W
	0.928
	N
	0.487
	W
	0.804
	W
	0.622
	W
	0.890
	W
	0.508
	W
	0.681
	W
	0.640
	W
	0.983
	W
	0.913
	W
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	W
	0.990
	W
	0.566

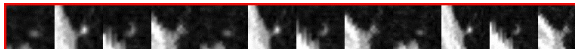
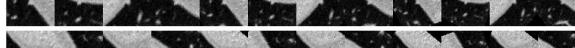
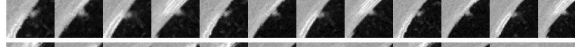
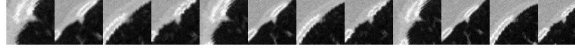
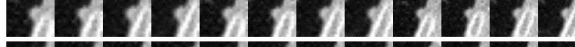
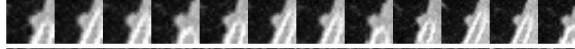
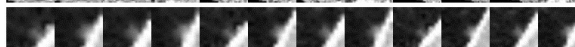
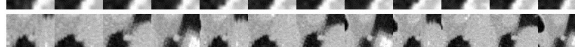
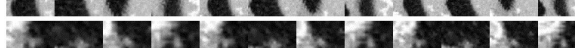
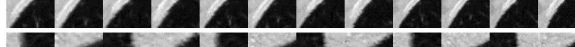
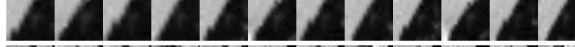
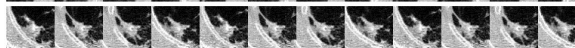
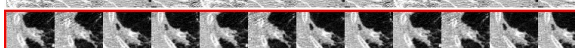
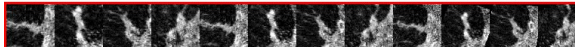
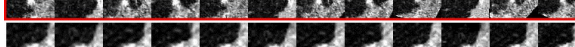
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	0.930
	W
	0.993
	W
	0.938
	W
	0.395
	W
	0.860
	V
	0.918
	W
	0.652
	W
	0.631
	W
	0.631
	W
	0.837
	W
	0.964
	W
	0.473
	N
	0.952
	W
	0.400
	W
	0.976
	W
	0.816
	W
	0.997
	P
	0.542
	W
	0.644
	W
	0.972
	W
	0.819
	W
	0.884
	W
	0.558
	W
	0.992
	W
	0.915
	W
	0.677
	W
	0.902
	G
	0.999
	W
	0.995
	V
	0.849
	W
	0.996
	W
	0.977
	W
	0.964
	W
	0.591
	W
	0.919

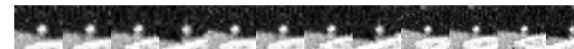
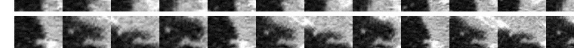
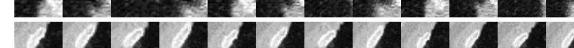
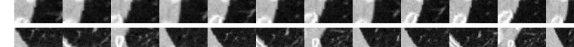
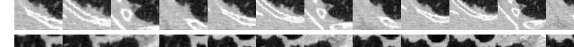
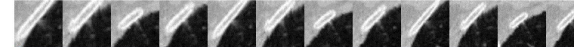
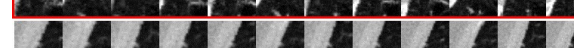
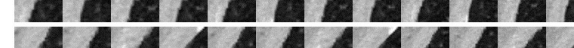
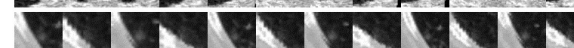
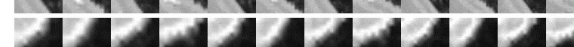
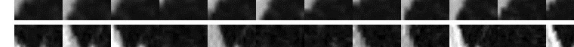
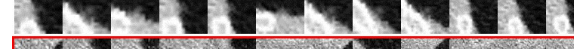
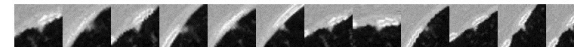
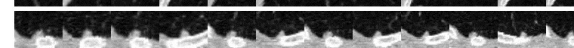
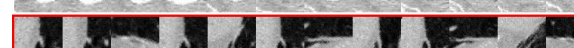
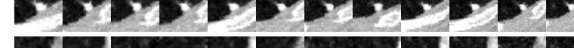
	W
	0.492
	W
	0.478
	G
	0.698
	W
	0.951
	W
	0.843
	W
	0.731
	W
	0.939
	W
	0.987
	W
	0.471
	W
	0.652
	W
	0.841
	N
	0.677
	W
	0.413

B. GGO for ms-nodules



C. Juxta-pleural for ms-nodules

	V
	0.765
	N
	0.556
	G
	0.619
	J
	1.000
	J
	0.936
	J
	0.954
	J
	0.980
	J
	0.881
	J
	0.999
	J
	1.000
	N
	0.602
	J
	0.829
	J
	1.000
	J
	1.000
	J
	0.631
	J
	0.864
	J
	1.000
	J
	0.643
	J
	0.971
	J
	1.000
	J
	0.513
	J
	1.000
	J
	0.733
	G
	0.863
	J
	1.000
	J
	1.000
	J
	0.817
	J
	0.994
	J
	0.950
	N
	1.000
	N
	0.998
	N
	0.669
	J
	1.000
	J
	1.000
	J
	0.996

	J
	1.000
	N
	0.820
	J
	1.000
	N
	0.965
	G
	0.449
	N
	0.531
	N
	0.782
	N
	0.984
	J
	1.000
	J
	1.000
	J
	0.997
	J
	0.980
	J
	1.000
	J
	0.916
	J
	0.828
	N
	0.997
	N
	0.999
	J
	0.998
	J
	0.996
	N
	0.996
	N
	0.979
	J
	1.000
	J
	1.000
	J
	0.877
	J
	0.599
	J
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	J
	0.965
	N
	0.595
	J
	1.000
	J
	1.000
	J
	0.995
	N
	1.000
	J
	0.995
	J
	1.000
	J
	0.985

	J
	0.987
	J
	0.802
	J
	1.000
	J
	0.993
	J
	0.770
	J
	0.998
	J
	0.908
	J
	1.000
	J
	1.000
	J
	0.856
	J
	0.997
	J
	0.716
	J
	0.999
	J
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	J
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	J
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	N
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	J
	1.000
	J
	1.000
	J
	0.994
	J
	0.704
	J
	1.000
	N
	0.812
	N
	1.000
	N
	0.608
	N
	0.894
	J
	0.977
	J
	0.930
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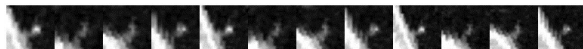
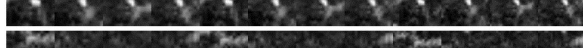
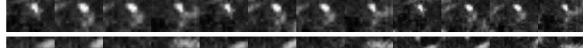
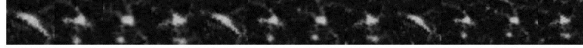
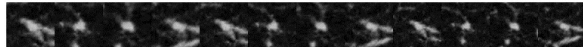
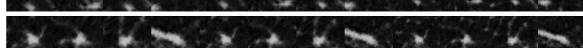
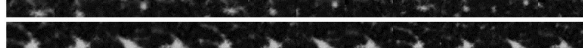
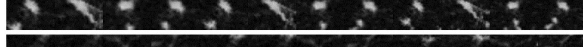
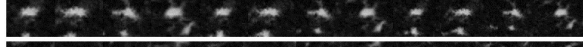
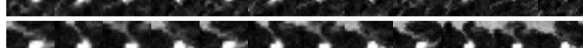
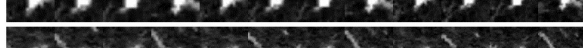
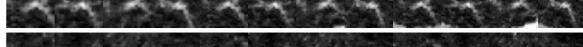
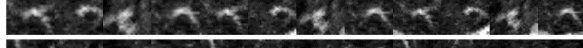
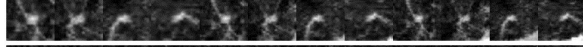
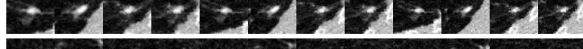
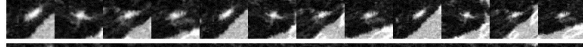
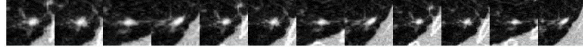
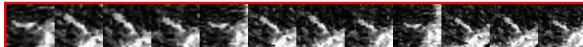
	J
	0.990
	J
	1.000
	J
	0.901
	V
	0.542
	J
	1.000
	J
	0.835
	J
	0.505
	J
	0.849
	J
	1.000
	J
	0.924
	J
	0.995
	J
	0.738
	J
	0.999
	J
	0.997
	J
	1.000
	J
	0.849
	J
	0.992
	J
	0.883
	J
	0.893
	J
	0.999
	J
	1.000
	J
	0.954
	J
	0.999
	J
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	J
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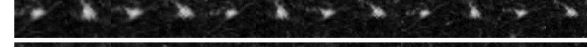
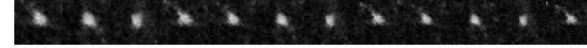
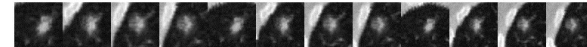
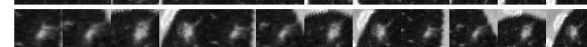
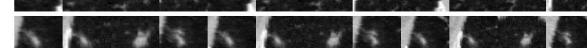
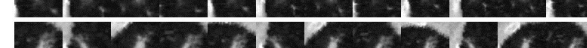
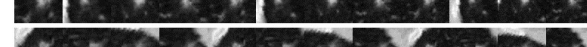
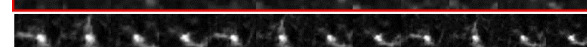
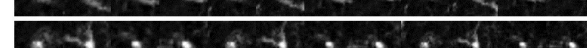
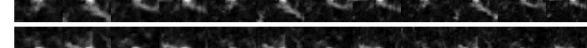
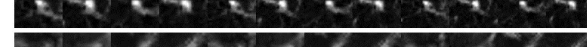
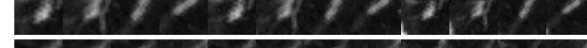
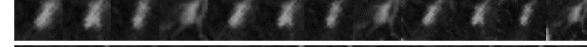
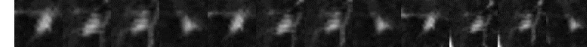
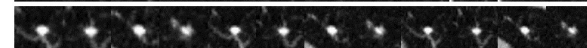
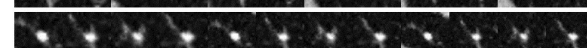
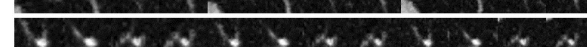
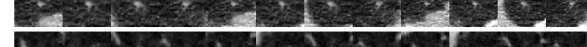
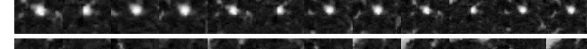
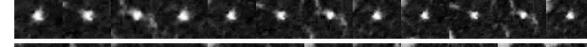
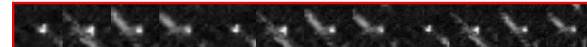
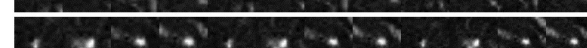
D. Pleural-tail for ms-nodules

	P
	0.965
	P
	1.000
	P
	0.997
	P
	0.994
	G
	0.667
	P
	0.875
	P
	0.462
	P
	0.798
	P
	0.900
	P
	0.681
	G
	0.922
	P
	0.323
	P
	0.992
	P
	0.892
	P
	0.555
	P
	0.920
	P
	0.777
	P
	0.851
	N
	0.324
	N
	1.000
	P
	0.920
	N
	1.000
	N
	0.969
	P
	0.814
	G
	0.540
	P
	0.853
	P
	1.000
	P
	0.374
	P
	0.689
	N
	0.418
	N
	0.997
	P
	0.470
	P
	0.999
	P
	0.995
	P
	0.949

	P
	0.887
	P
	0.879
	P
	0.589
	P
	0.895
	P
	0.997
	P
	0.826
	P
	0.995
	P
	0.708
	P
	0.648
	P
	0.979
	P
	0.850
	P
	0.936
	N
	0.993
	N
	1.000
	P
	0.984
	N
	1.000
	N
	0.997
	P
	0.359
	P
	0.578
	G
	0.432
	P
	0.836
	G
	0.963
	P
	0.958
	P
	0.925
	P
	0.998

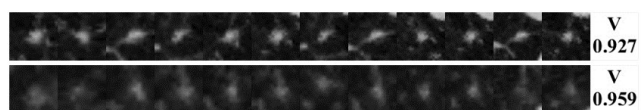
E. Vascularized for ms-nodules

	V
	0.377
	N
	0.718
	N
	0.995
	V
	1.000
	V
	1.000
	V
	0.994
	V
	0.996
	V
	1.000
	V
	1.000
	V
	1.000
	V
	0.999
	V
	1.000
	V
	0.997
	V
	1.000
	V
	0.569
	J
	0.840
	V
	0.779
	V
	0.785
	V
	1.000
	V
	1.000
	V
	1.000
	V
	0.941
	V
	0.995
	V
	0.997
	V
	0.996
	V
	0.876
	V
	0.986
	V
	0.998
	V
	0.978
	N
	0.995
	N
	0.995
	N
	1.000
	N
	0.996
	N
	1.000
	N
	1.000

	N
	0.997
	N
	1.000
	J
	0.966
	J
	0.536
	J
	0.855
	V
	0.728
	V
	0.899
	V
	0.858
	V
	0.753
	V
	0.988
	V
	0.876
	V
	0.552
	J
	0.995
	J
	0.994
	J
	0.973
	J
	0.736
	V
	0.999
	V
	1.000
	V
	1.000
	V
	0.988
	V
	0.938
	V
	0.979
	V
	1.000
	V
	1.000
	V
	1.000
	V
	0.911
	V
	0.984
	V
	0.989
	V
	1.000
	N
	0.871
	V
	0.784
	V
	0.680
	V
	0.414
	G
	0.586
	V
	0.999

	V
	0.540
	V
	0.913
	V
	0.991
	W
	0.630
	V
	0.997
	V
	1.000
	V
	0.931
	V
	1.000
	V
	0.995
	V
	0.999
	V
	0.973
	V
	0.950
	V
	1.000
	V
	0.999
	V
	0.947
	V
	0.724
	V
	0.964
	V
	0.963
	V
	0.958
	V
	1.000
	V
	0.996
	V
	0.999
	V
	0.565
	N
	0.531
	V
	0.795
	V
	0.999
	V
	0.769
	V
	0.978
	V
	0.630
	V
	0.896
	V
	0.804
	V
	0.936
	V
	0.996
	V
	1.000
	V
	1.000

	V
	1.000
	V
	0.800
	V
	0.732
	V
	0.722
	V
	0.443
	V
	0.692
	V
	1.000
	N
	0.512
	V
	0.996
	N
	1.000
	V
	0.932
	V
	0.824
	V
	0.731
	V
	0.422
	J
	0.900
	V
	0.999
	V
	0.964
	V
	0.882
	V
	0.519
	V
	1.000
	V
	0.998
	V
	0.973
	V
	0.527
	V
	0.932
	V
	0.978
	V
	0.811
	V
	1.000
	V
	1.000
	V
	0.997
	V
	0.916
	V
	0.999
	V
	0.998
	V
	0.724
	V
	0.987
	V
	0.999



F. Non-nodule for ms-nodules

