

Supplemental Table 1. Classification results of healthy (n=20) and every stage of keratoconus (n=40, 53, 29, and 137 for stage 1, 2, 3, and 4 respectively) on the testing sets. 95% confidence interval (CI) in brackets.

5-class	Accuracy	Sensitivity	Specificity	AUC
Axial Map	0.4910 (0.4409 0.5412)	0.8 (0.8 0.8)	0.2 (0.2 0.2)	0.6819 (0.6565 0.7074)
Thickness Map	0.8065 (0.767 0.8459)	0.9443 (0.9336 0.9552)	0.6999 (0.6507 0.7504)	0.879 (0.8591 0.8989)
Front Elevation Map	0.7061 (0.6595 0.7527)	0.9145 (0.9016 0.9267)	0.5706 (0.5163 0.6238)	0.8163 (0.7921 0.8404)
Back Elevation Map	0.8065 (0.767 0.8459)	0.9145 (0.9016 0.9267)	0.6923 (0.6473 0.7349)	0.879 (0.8591 0.8987)
Concatenated	0.8136 (0.7742 0.8530)	0.9484 (0.9379 0.9588)	0.7364 (0.6909 0.7797)	0.8835 (0.8641 0.9029)
Majority Voting	0.8208 (0.7814 0.8566)	0.9458 (0.9348 0.9567)	0.7109 (0.6686 0.7531)	0.888 (0.8677 0.907)