Supplementary Material

Article title:

Radiomics signatures of carotid plaque on computed tomography angiography: an approach to identify symptomatic plaques

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Table S1 Reproducibility of conventional features.

Conventional features	Intra-observer	Inter-observer
CCTI	0.962	0.956
ICTI	0.960	0.932
Degree of stenosis	0.992	0.980
Total plaque thickness	0.997	0.990
Soft plaque thickness	0.998	0.994
Carotid plaque length	0.997	0.963
Plaque ulceration	1*	1*
Carotid rim sign	0.902*	0.815*
PR	0.933*	0.791*

Intra-class correlation coefficient (ICC) and Cohen's kappa coefficient were calculated for the intra- and inter-observer consistency. The intra- and inter-observer reproducibility of conventional features were substantial and excellent. *CCTI* common carotid tortuosity index, *ICTI* internal carotid tortuosity index, *PR* positive remodeling
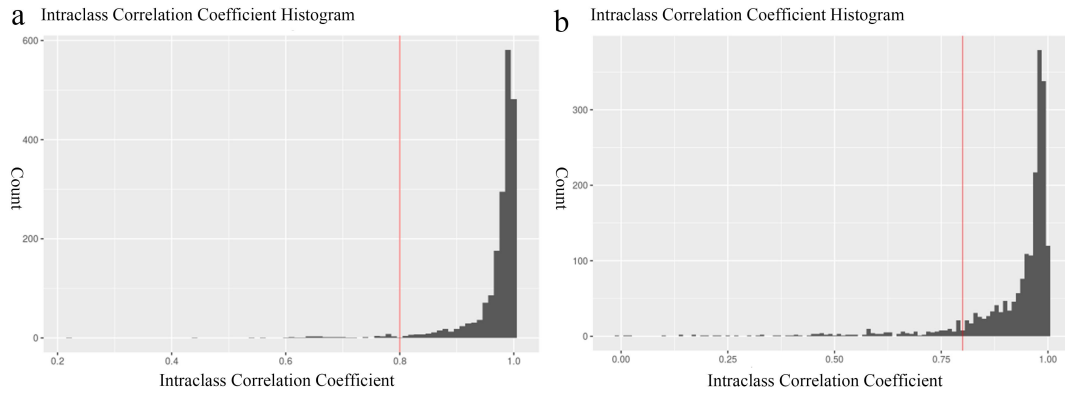
* Indicated Cohen's kappa coefficient

Fig. S1 Reproducibility of radiomics features.

Radiomics features with ICC ≤ 0.8 were removed by intra-observer (a, 49 features) and inter-observer (b, 182 features) agreement, and the remaining 1916 features were included in the analysis.