



**Supplementary Figure 3. Individual ROC curves of the tests with available diagnostic accuracy test data.**

We plotted the diagnostic accuracy statistics (false positive rate and sensitivity) for various US measures, and OSA severity based on the AHI. A summary ROC was constructed for carotid plaque presence, and the grey square is the summary sensitivity /specificity from the bivariate analysis of the data; the smooth line is the summary ROC curve; and the crosshairs show 95% confidence intervals for sensitivity and specificity. AHI – Apnea-Hypopnea Syndrome; NC: Neck Circumference; MM: Mueller’s Maneuver; OSA – Obstructive Sleep Apnea; RP diameter – Retropalatal diameter; TN: True Negative; TP: True Positive.