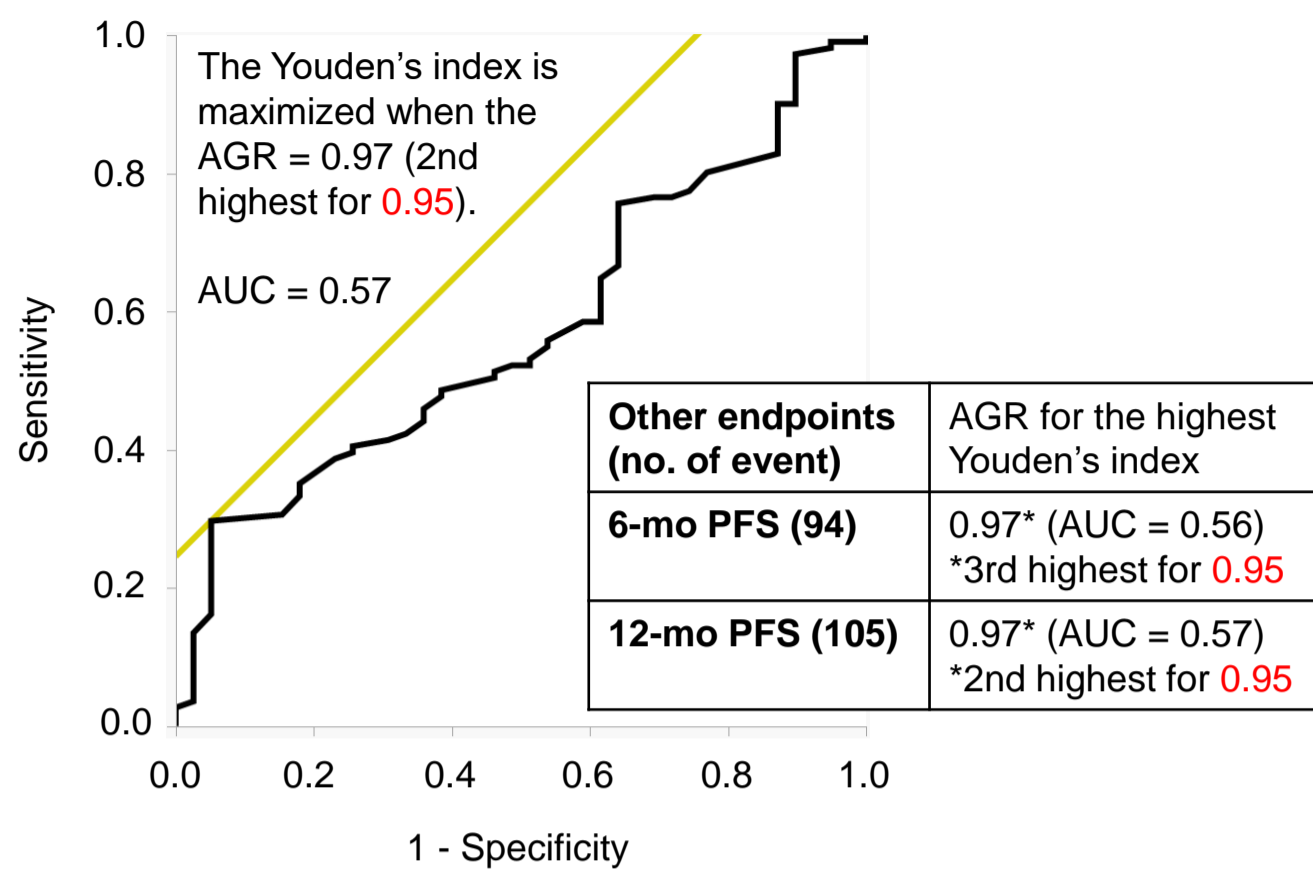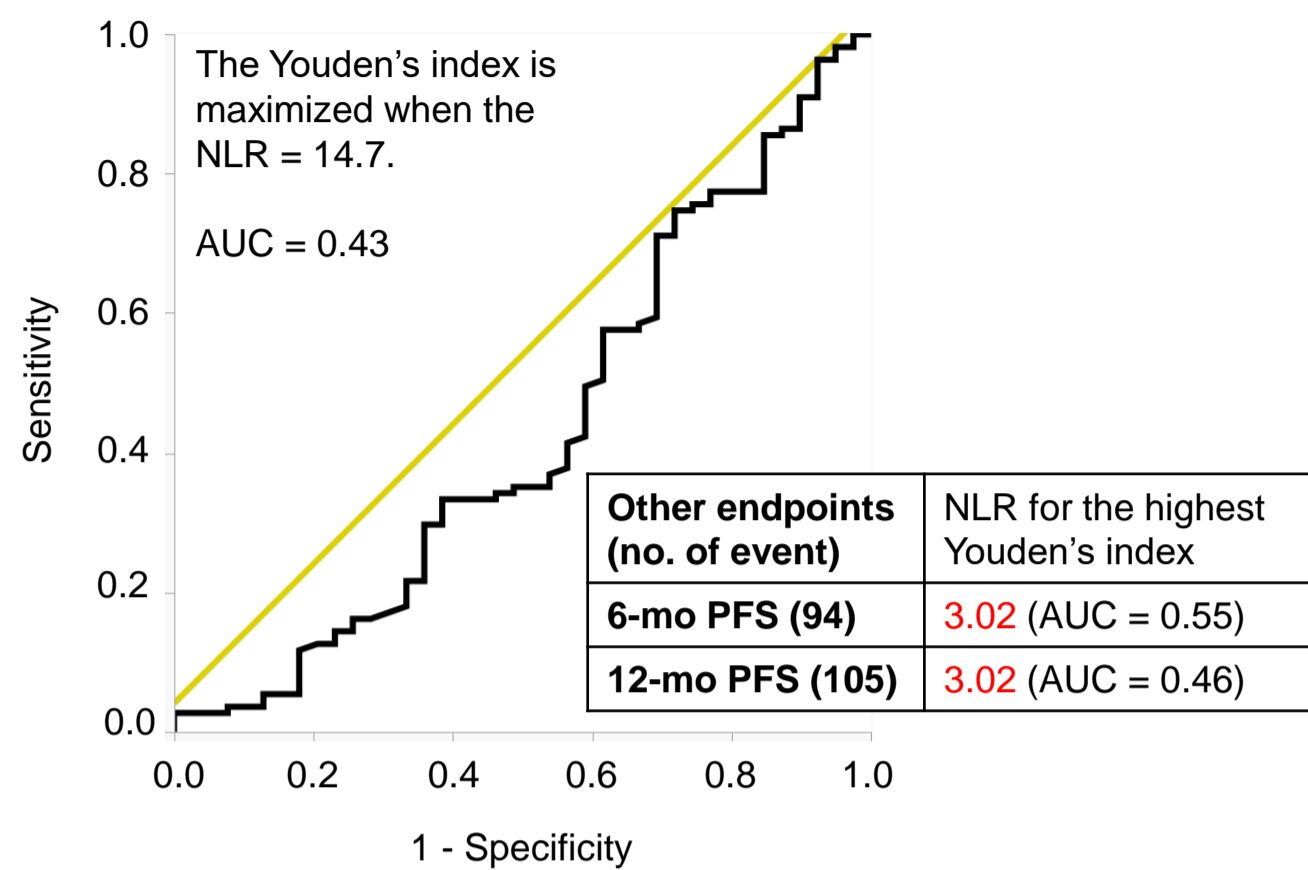**Supplementary Figure S1.** ROC curve analyses of (A) AGR for PFS, (B) NLR for PFS, (C) AGR for CSS, (D) NLR for CSS, (E) AGR for OS, (F) NLR for OS. The optimal cutoff value of AGR or NLR was estimated through maximization of the Youden's index [Sensitivity − (1 − Specificity)] for each endpoint.
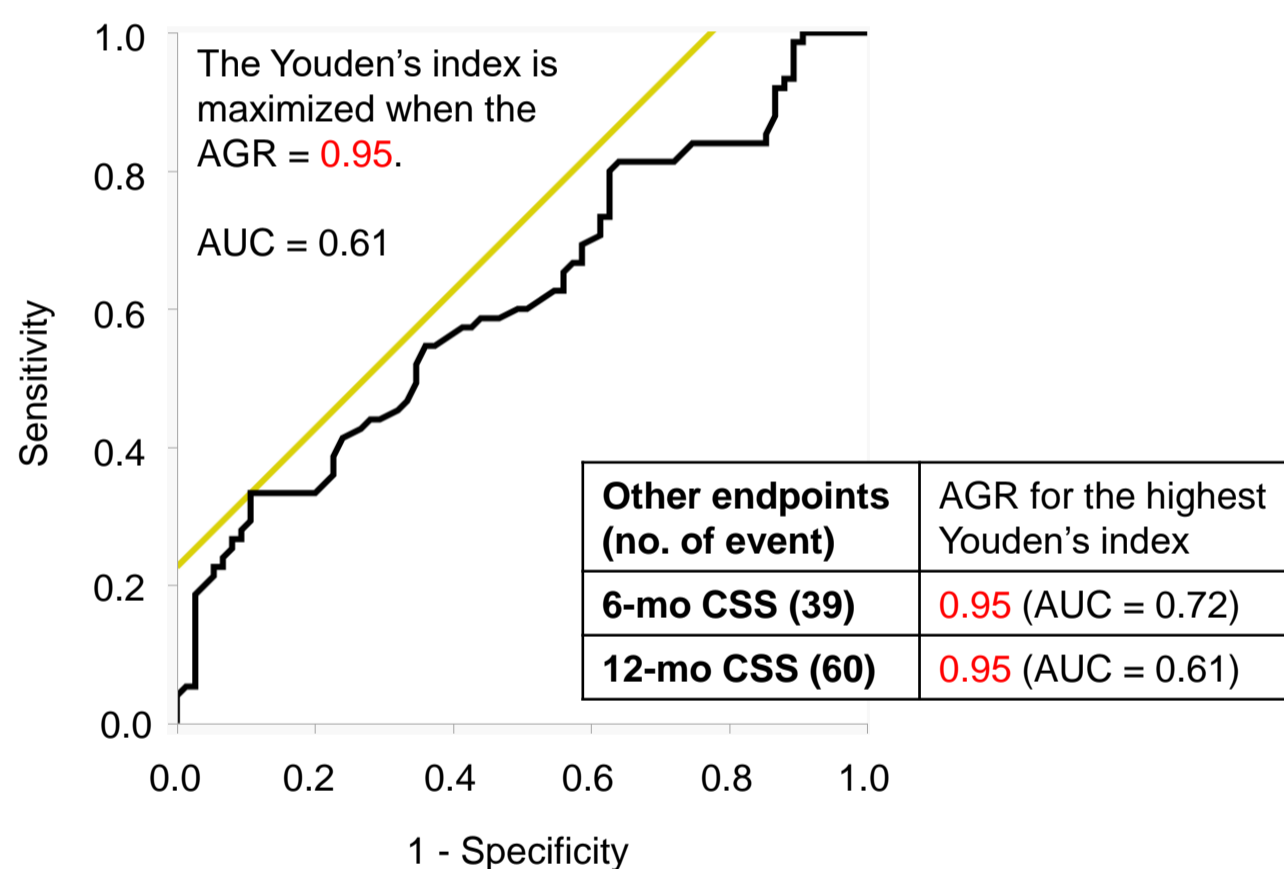

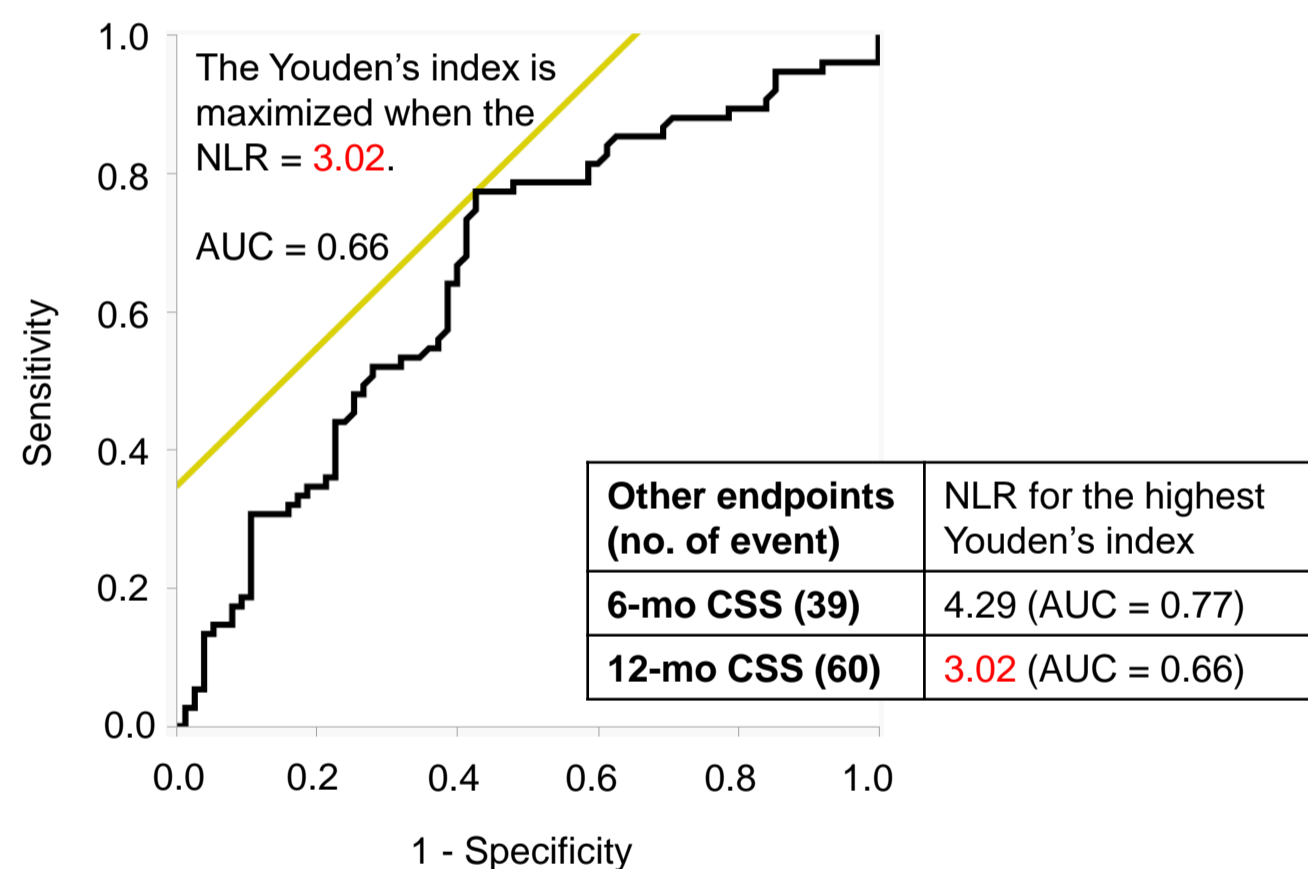**(A) ROC curve analysis of the AGR for PFS (no. of event: 111)**

The Youden's index is maximized when the AGR = 0.97 (2nd highest for 0.95).

AUC = 0.57

Other endpoints (no. of event)	AGR for the highest Youden's index
6-mo PFS (94)	0.97* (AUC = 0.56) *3rd highest for 0.95
12-mo PFS (105)	0.97* (AUC = 0.57) *2nd highest for 0.95

(B) ROC curve analysis of the NLR for PFS (no. of event: 111)

The Youden's index is maximized when the NLR = 14.7.

AUC = 0.43

Other endpoints (no. of event)	NLR for the highest Youden's index
6-mo PFS (94)	3.02 (AUC = 0.55)
12-mo PFS (105)	3.02 (AUC = 0.46)

(C) ROC curve analysis of the AGR for CSS (no. of event: 75)

The Youden's index is maximized when the AGR = 0.95.

AUC = 0.61

Other endpoints (no. of event)	AGR for the highest Youden's index
6-mo CSS (39)	0.95 (AUC = 0.72)
12-mo CSS (60)	0.95 (AUC = 0.61)

(D) ROC curve analysis of the NLR for CSS (no. of event: 75)

The Youden's index is maximized when the NLR = 3.02.

AUC = 0.66

Other endpoints (no. of event)	NLR for the highest Youden's index
6-mo CSS (39)	4.29 (AUC = 0.77)
12-mo CSS (60)	3.02 (AUC = 0.66)

(E) ROC curve analysis of the AGR for OS (no. of event: 81)

The Youden's index is maximized when the AGR = 0.95.

AUC = 0.60

Other endpoints (no. of event)	AGR for the highest Youden's index
6-mo OS (43)	0.85* (AUC = 0.69) *2nd highest for 0.95
12-mo OS (66)	0.85* (AUC = 0.60) *2nd highest for 0.95
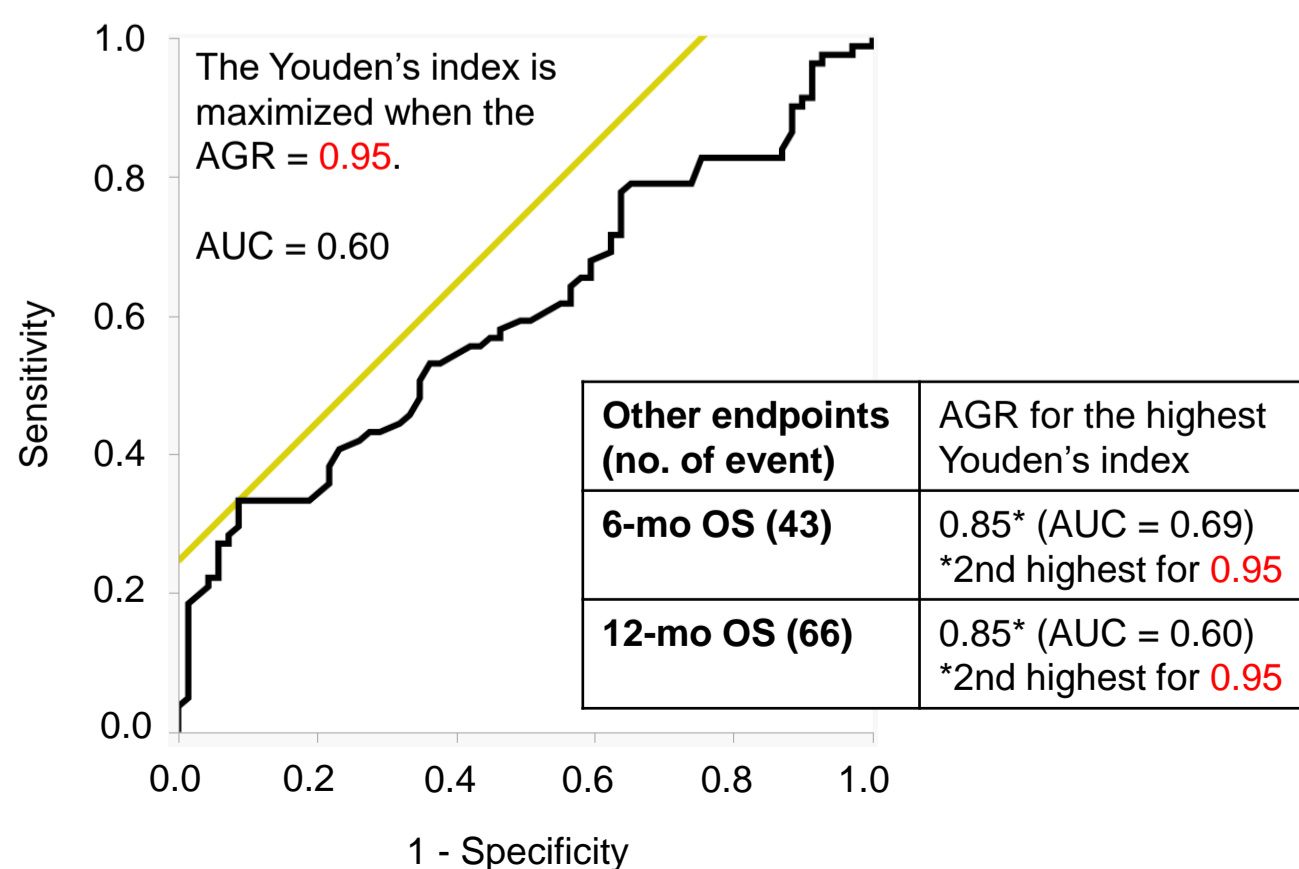
(F) ROC curve analysis of the NLR for OS (no. of event: 81)

The Youden's index is maximized when the NLR = 3.02.

AUC = 0.63

Other endpoints (no. of event)	NLR for the highest Youden's index
6-mo OS (43)	4.29 (AUC = 0.73)
12-mo OS (66)	5.79 (AUC = 0.63)