

Figure 1 Patient selection flowchart

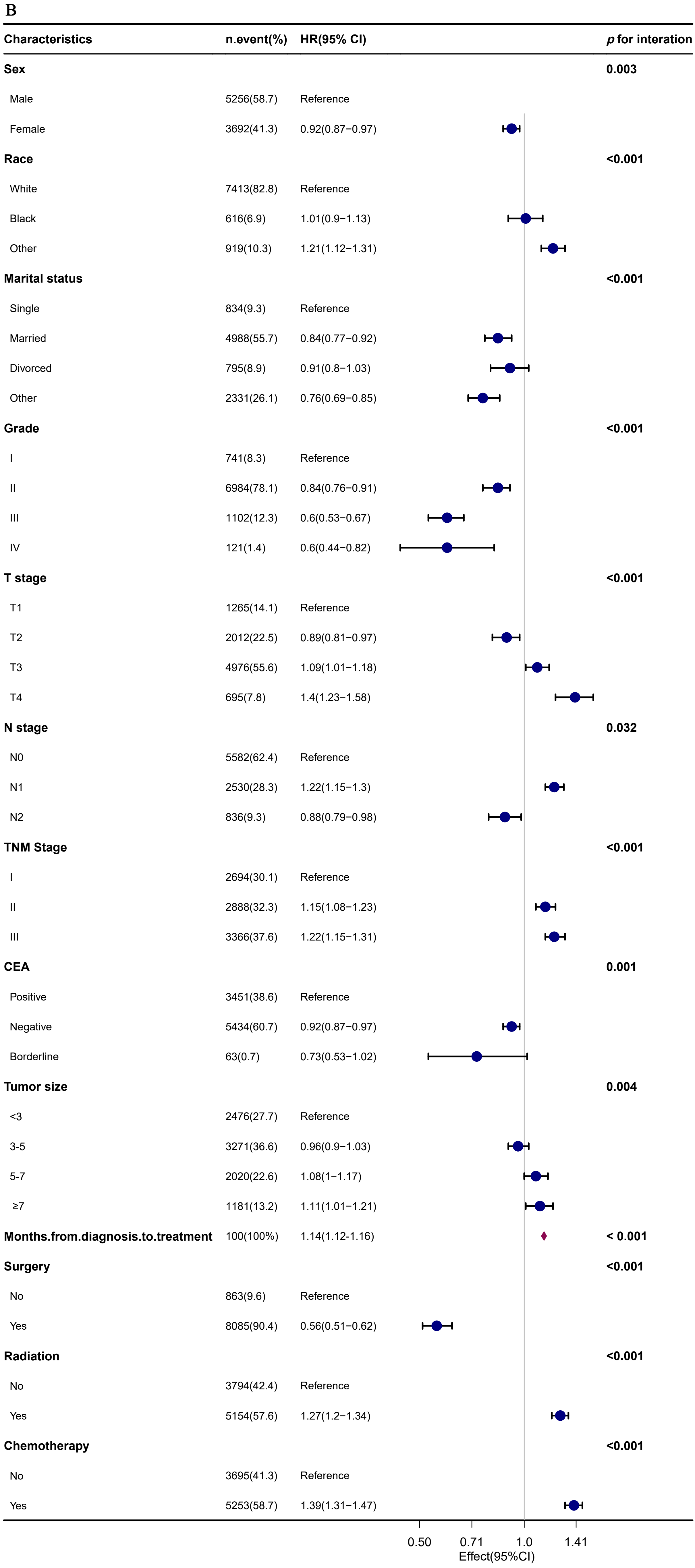
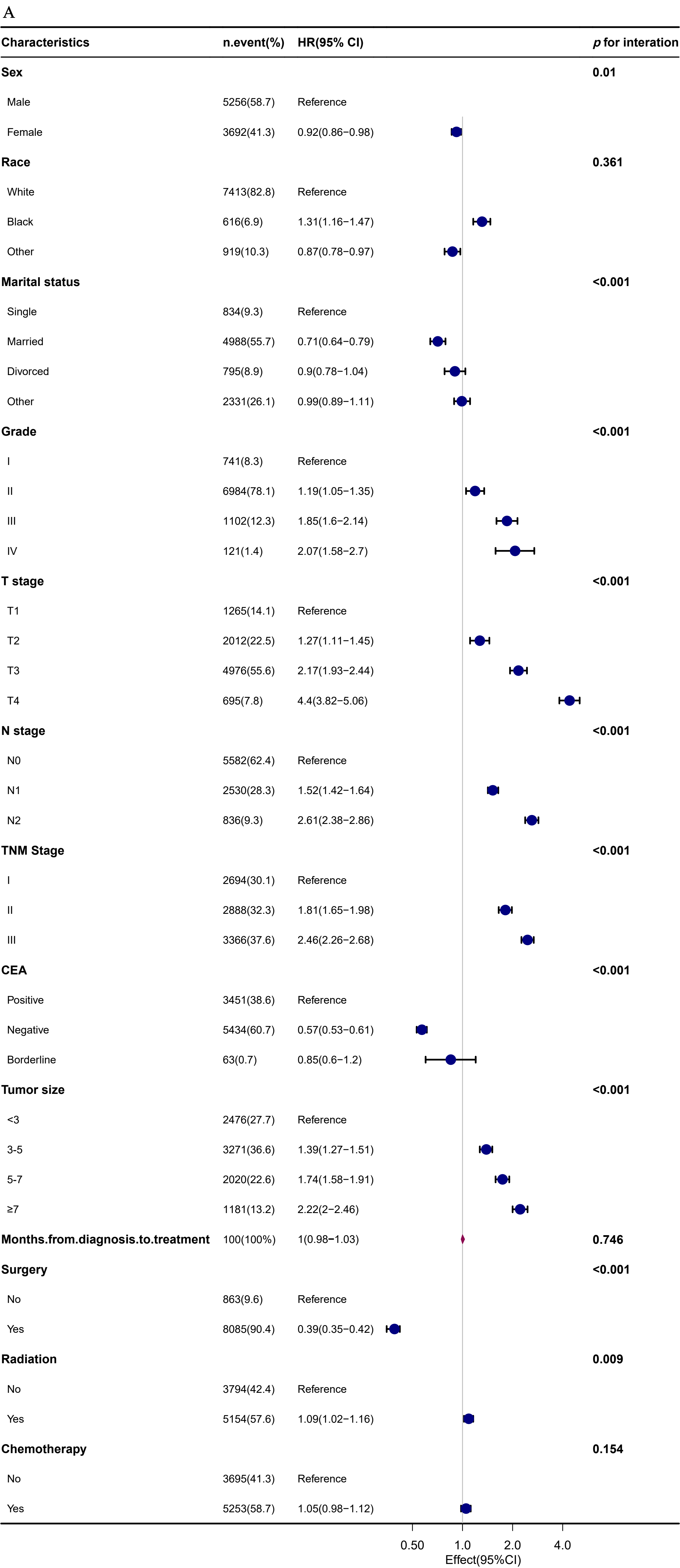


Figure 2 Subgroup analysis for CSS and OS of Training cohort. (A) Forest map for CSS (B) Forest map for OS.

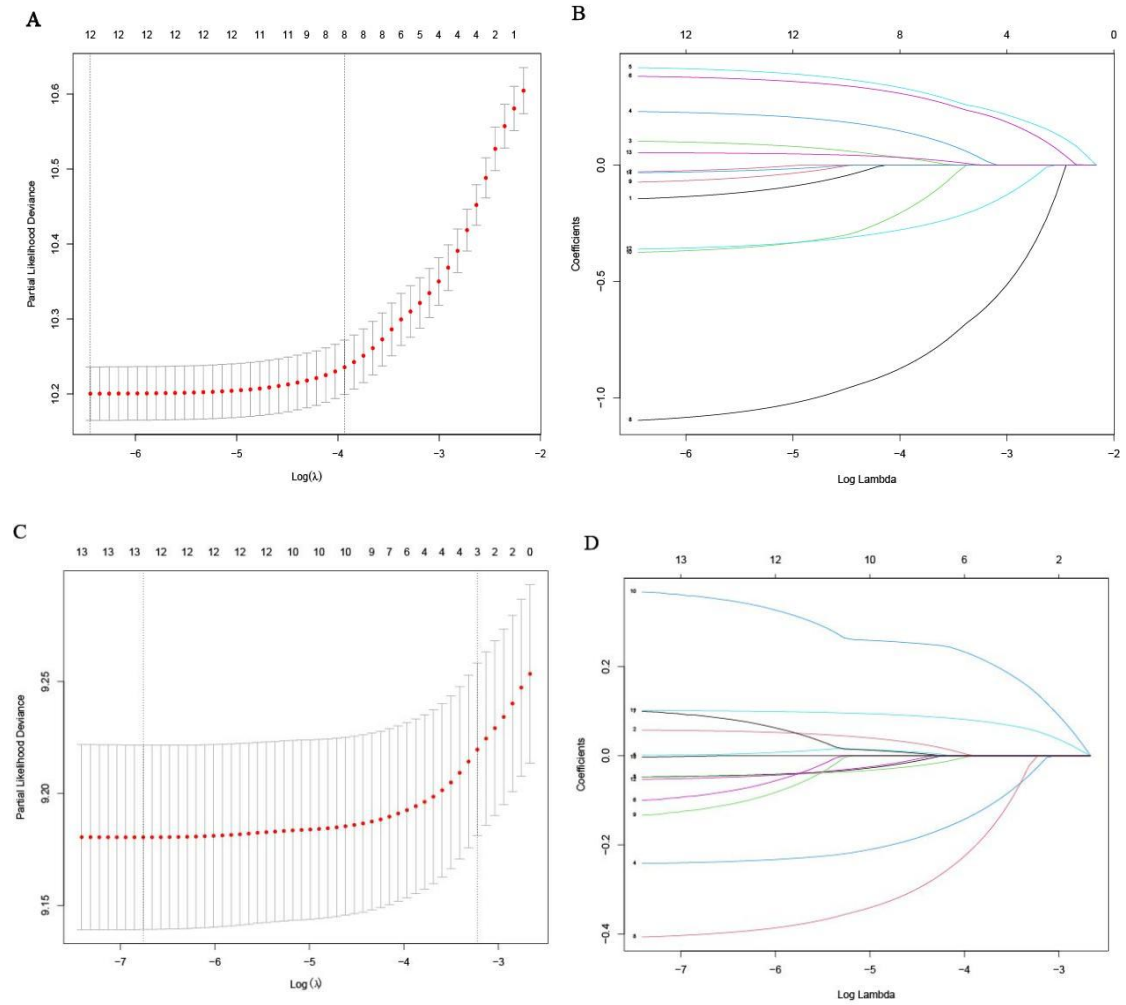


Figure 3 LASSO regression plot. (A) Plot of partial likelihood deviance of CSS, (B) plot of LASSO coefficient profiles of CSS, Each curve represents the LASSO coefficient profile of a feature against the log (lambda) sequence. when the optimal lambda value was 0.02, retentiong variables were screen; (C) Plot of partial likelihood deviance of OS, (D) plot of LASSO coefficient profiles of OS, Each curve represents the LASSO coefficient profile of a feature against the log (lambda) sequence, when the optimal lambda value was 0.04, retentiong variables were screen.

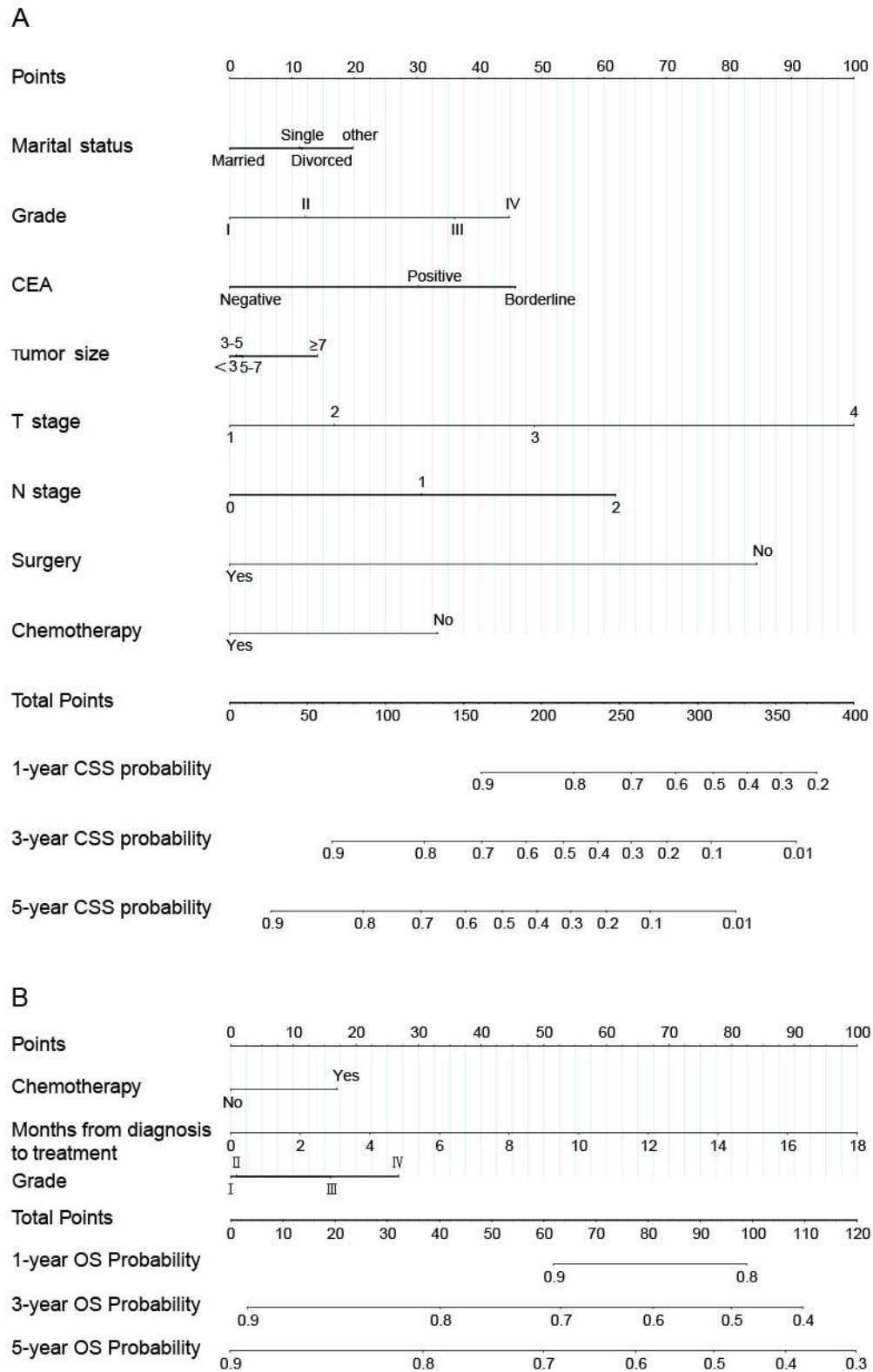


Figure 4 Nomograms for predicting 1-, 3-, and 5-year survival of patients by training cohort. (A) Nomogram of cancer-specific survival. (B) Nomogram of overall survival.

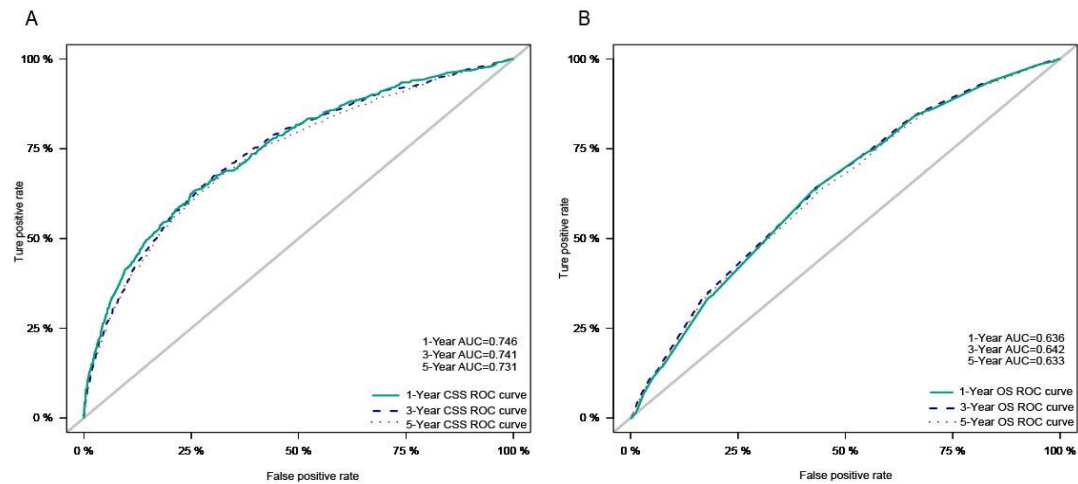


Figure 5 Receiver operating characteristic curve analyses were used to evaluate the prediction accuracy of nomograms in predicting 1-, 3- and 5-year survival. (A) Predicted cancer-specific survival in the training cohort; (B) Predicted overall survival in the training cohort.

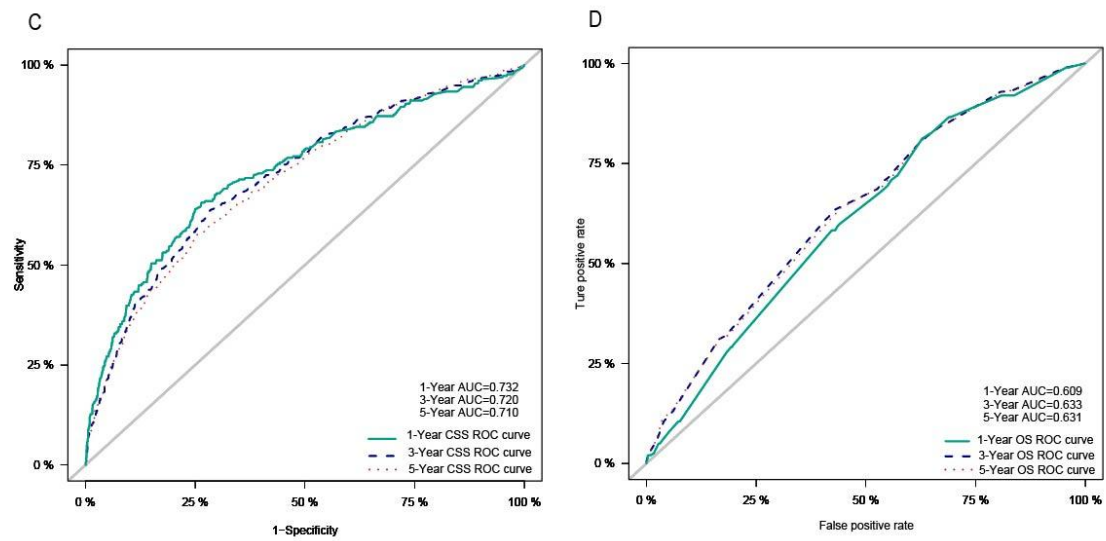


Figure 6 Receiver operating characteristic curve analyses were used to evaluate the prediction accuracy of nomograms in predicting 1-, 3- and 5-year survival. (A) Predicted cancer-specific survival in the validation cohort; (B) Predicted overall survival in the validation cohort.

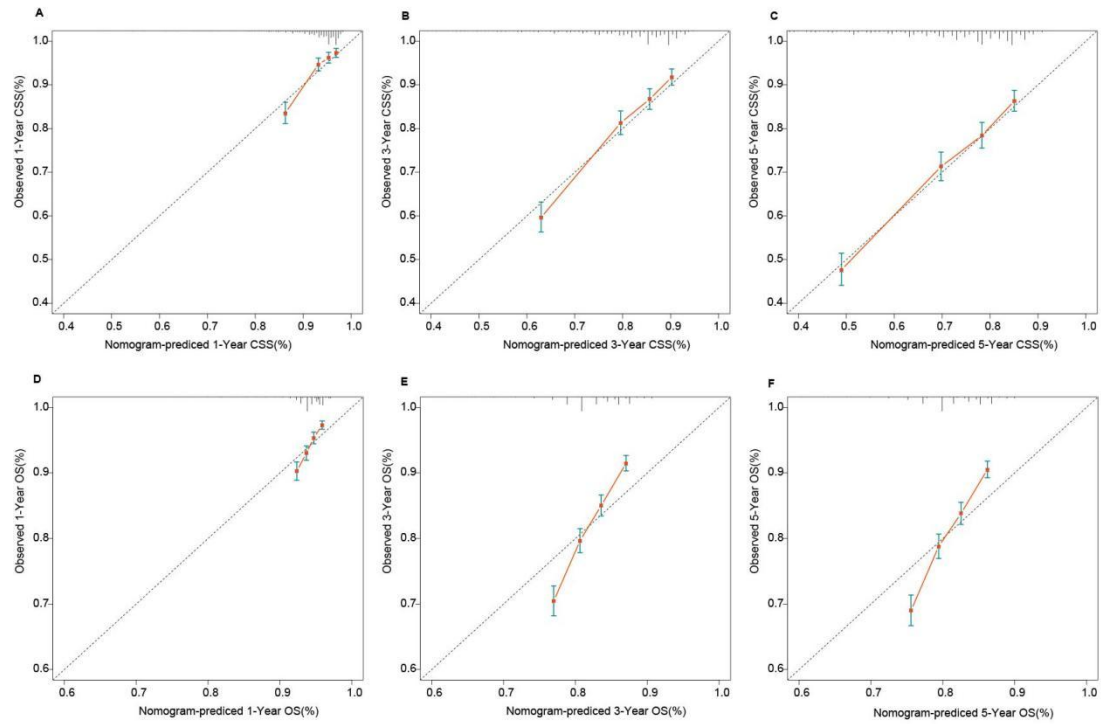


Figure 7 Calibration curves were used to evaluate the consistencies between actual survival and nomogram predicted survival. (A, B, C) Predicted cancer-specific survival in the training cohort. (D, E, F) Predicted overall survival in the training cohort.

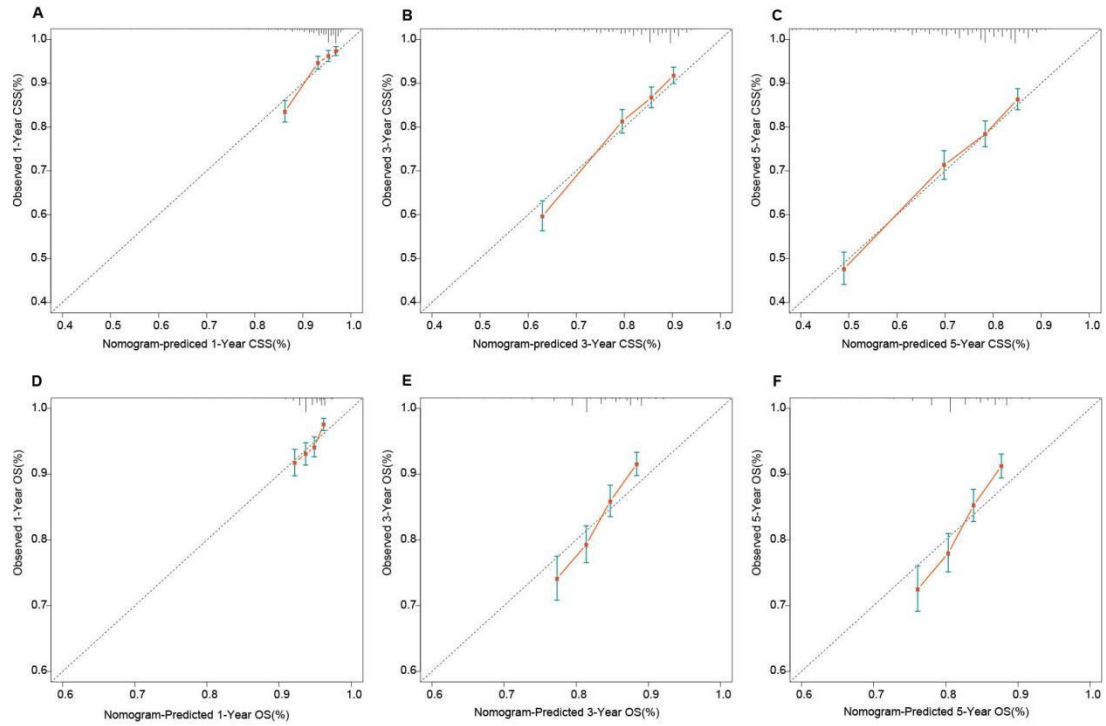


Figure 8 Calibration curves were used to evaluate the consistencies between actual survival and nomogram predicted survival. (A, B, C) Predicted cancer-specific survival in the validation cohort. (D, E, F) Predicted overall survival in the validation cohort.

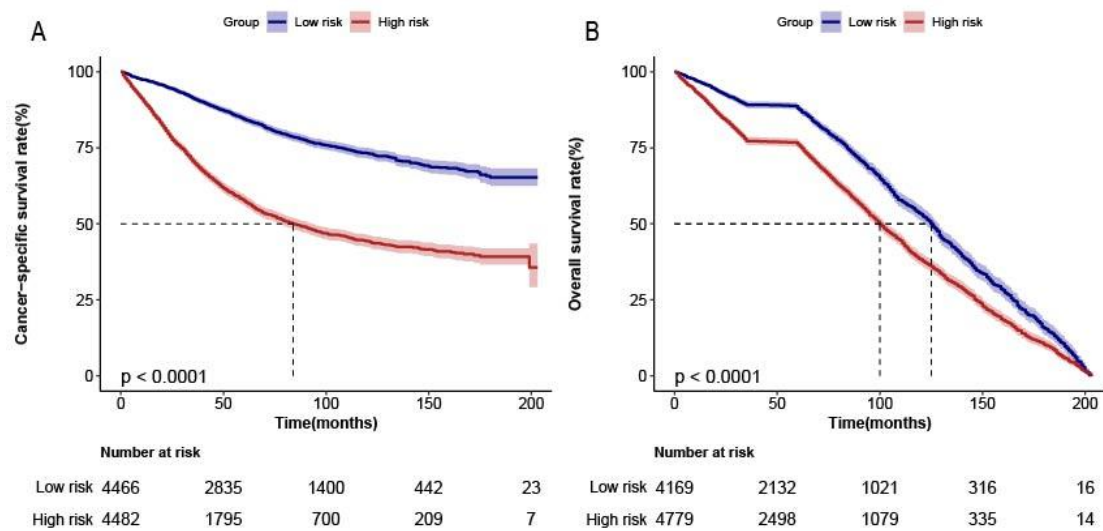


Figure 9 Survival curves of overall survival and cancer-specific survival after risk stratification based on nomograms.(A) Training cohort. (B) Validation cohort.

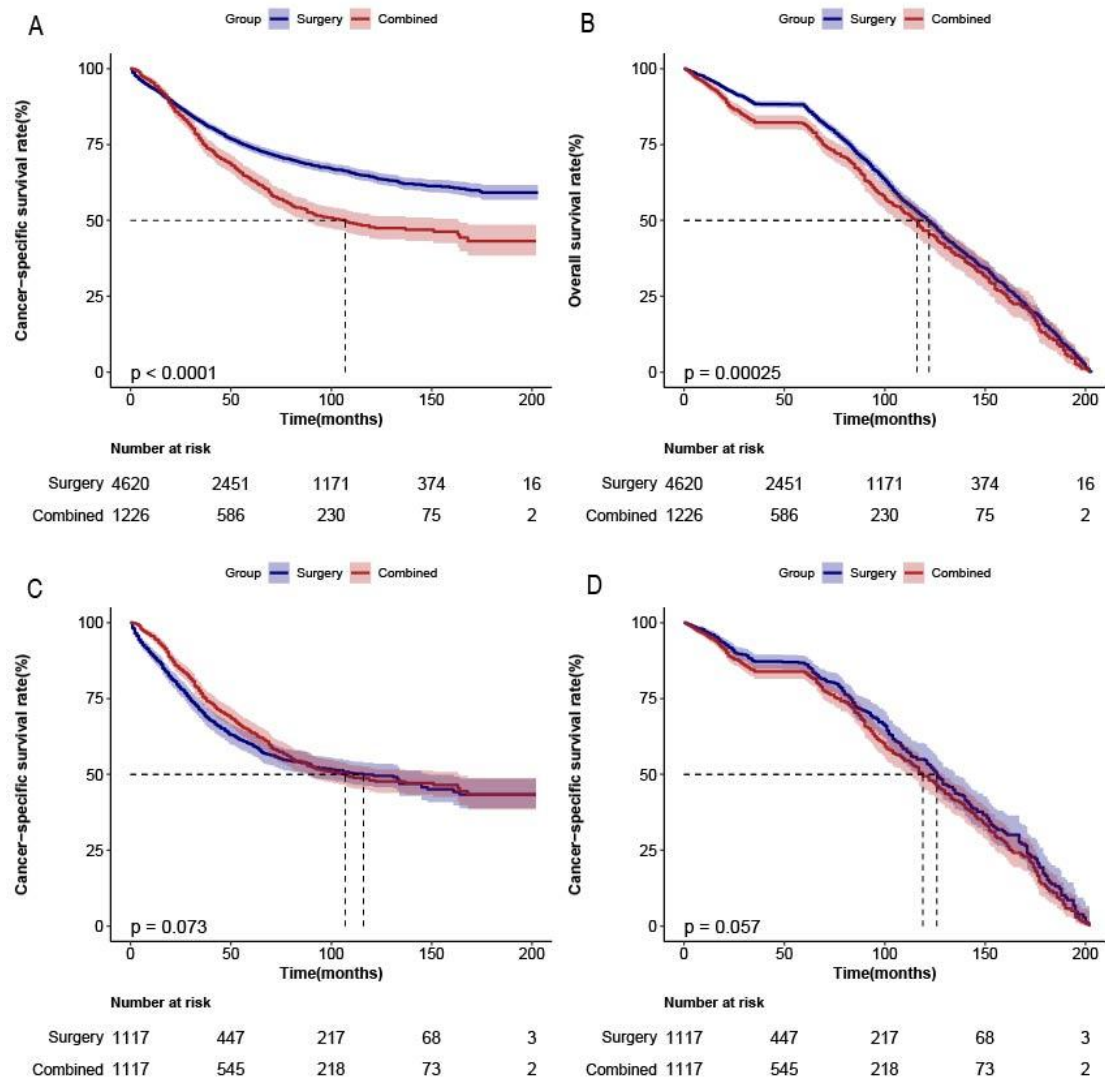


Figure 10 Comparison the cancer-specific survival and overall survival between surgery cohort and combined cohort.(A, B) before PSM cohort. (C, D) after PSM cohort.

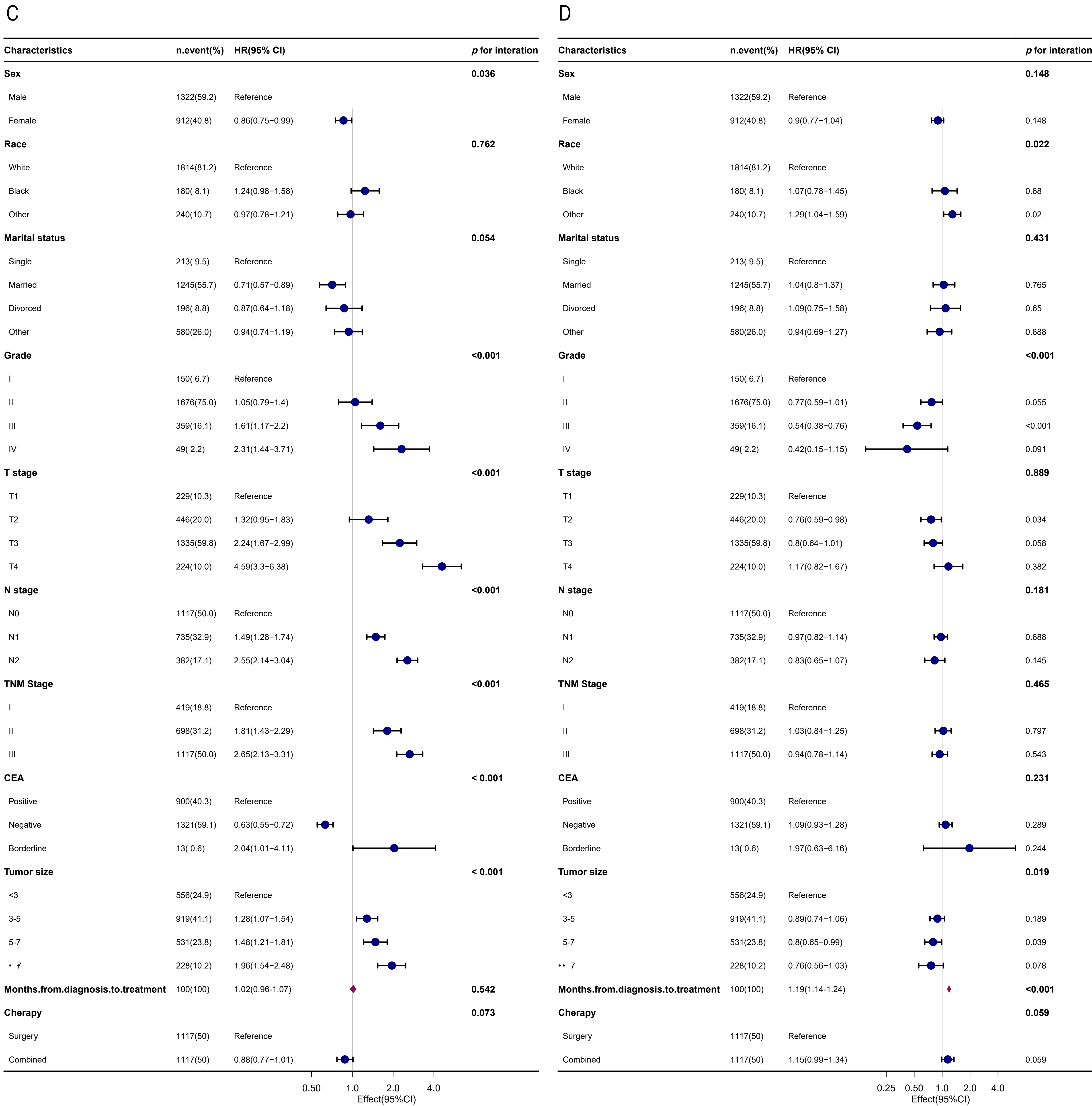
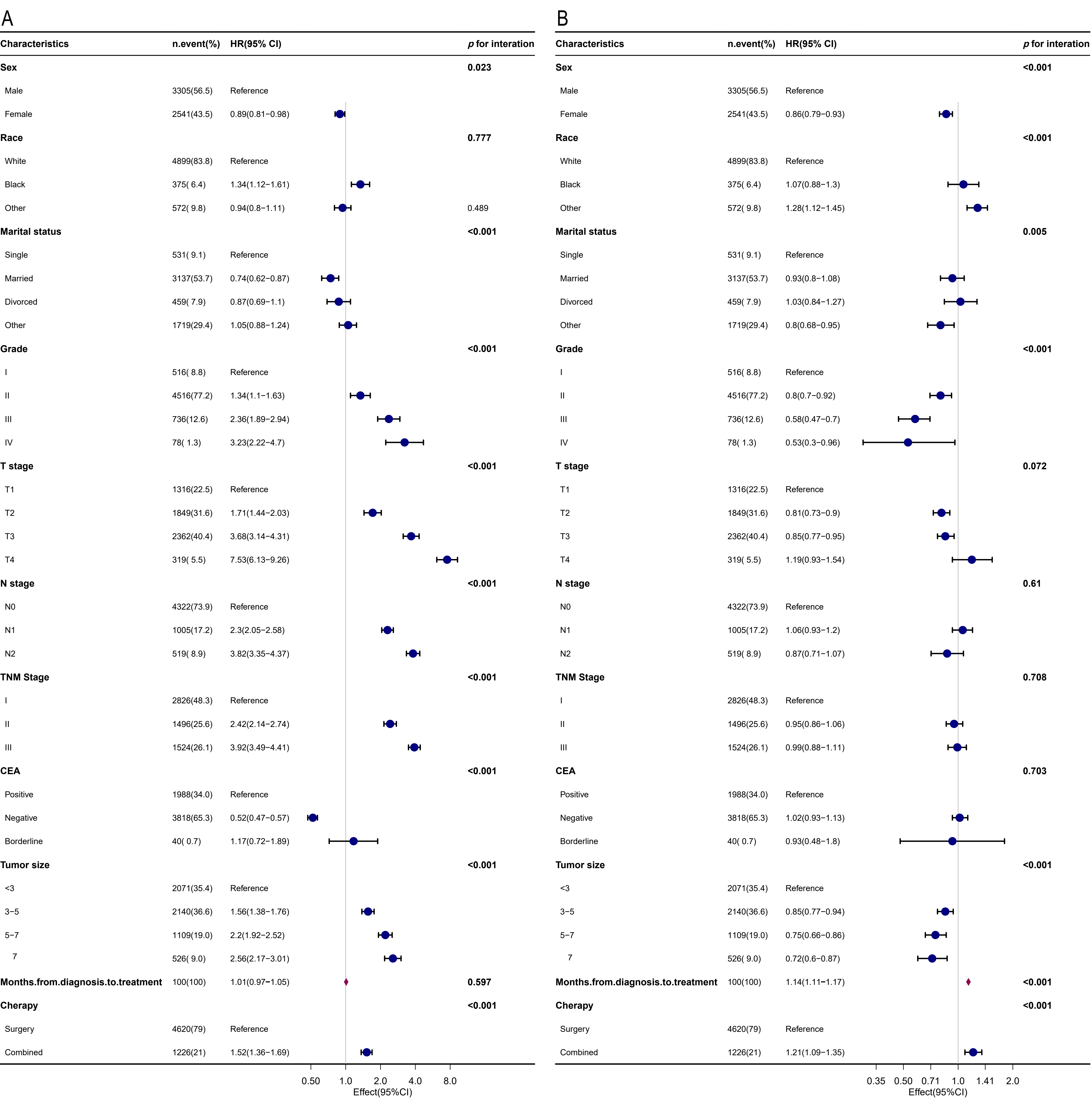


Figure 11 Subgroup analysis for CSS and OS between before PSM cohort and after PSM cohort. (A) Forest map for CSS of before PSM cohort. (B) Forest map for OS of before PSM cohort. (C) Forest map for CSS of after PSM cohort. (D) Forest map for OS of after PSM cohort.