Supplementary Material

# Supplementary Figures and Tables

## Supplementary Figures



**Supplementary Figure 1.** Forest plots of the association between grade 3-4 irAEs and OS **(A)** and PFS **(B)** in patients with melanoma treated with ICIs.

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**Supplementary Figure 2.** Forest plots of the association between thyroid irAEs and OS **(A)** and PFS **(B)** in patients with melanoma treated with ICIs.



**Supplementary Figure 3.** Forest plots of the association between pulmonary irAEs and OS (A) and PFS (B) in patients with melanoma treated with ICIs.



**Supplementary Figure 4.** Forest plots of the association of gastrointestinal irAEs with OS **(A)** and PFS **(B)** in melanoma patients receiving ICIs.



**Supplementary Figure 5.** Forest plots of the association between hepatic irAEs and OS **(A)** and PFS **(B)** in patients with melanoma treated with ICIs.



**Supplementary Figure 6.** Forest plot of the association between any irAEs and OS stratified by study design.



**Supplementary Figure 7.** Forest plot of the association between any irAEs and PFS stratified by study design.



**Supplementary Figure 8.** Forest plot of the association between any irAEs and OS stratified by geographic area.

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**Supplementary Figure 9.** Forest plot of the association between any irAEs and PFS stratified by geographic area.



**Supplementary Figure 10.** Forest plot of the association between any irAEs and OS stratified by the type of ICIs.



**Supplementary Figure 11.** Forest plot of the association between any irAEs and PFS stratified by the type of ICIs.



**Supplementary Figure 12.** Forest plot of the association between any irAEs and OS stratified by melanoma subtype.



**Supplementary Figure 13.** Forest plot of the association between any irAEs and PFS stratified by melanoma subtype.