## SUPPLEMENTARY FIGURES



Supplementary Figure 1. Forest plot of the odds ratio for the correlation of E-cadherin expression with liver metastasis.


Supplementary Figure 2. Forest plot of the odds ratio for the correlation of E-cadherin expression with perineural invasion.


Supplementary Figure 3. Forest plot of the odds ratio for the correlation of E-cadherin expression with alcohol consumption.

|  | reduced E - | erin | preserved E | erin |  | Odds Ratio |  | Odds | Ratio |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Study or Subgroup | Events | Total | Events | Total | Weight | M.H. Fixed. $95 \% \mathrm{Cl}$ |  | M-H. Fix | d. $95 \% \mathrm{Cl}$ |  |  |
| Sun2019 | 15 | 45 | 17 | 49 | 3.7\% | 0.94 [0.40, 2.21] |  |  |  |  |  |
| Wang 2022 | 390 | 715 | 2005 | 3846 | 96.3\% | 1.10 [0.94, 1.29] |  |  |  |  |  |
| Total (95\% Cl) |  | 760 |  | 3895 | 100.0\% | 1.10 [0.94, 1.28] |  |  |  |  |  |
| Total events | 405 |  | 2022 |  |  |  |  |  |  |  |  |
| Heterogeneity: $\mathrm{Chi}^{2}=0.13, \mathrm{df}=1(\mathrm{P}=0.72) ; \mathrm{P}^{\mathrm{P}}=0 \%$ |  |  |  |  |  |  | 0.01 |  | ${ }^{1} \stackrel{10}{\text { Favours [ preserved E-cadherin] }}$ |  | 100 |
| Test for overall effect: $Z=1.14(P=0.25)$ |  |  |  |  |  |  |  | Favours [reduced E-cadherin] |  |  |  |

Supplementary Figure 4. Forest plot of the odds ratio for the correlation of E-cadherin expression with smoking status.


Supplementary Figure 5. Forest plot of the odds ratio for the correlation of E-cadherin expression with familial history.


Supplementary Figure 6. Forest plot of the odds ratio for the correlation of E-cadherin expression with HP infection.


Supplementary Figure 7. Funnel plot of the odds ratio for the correlation of E-cadherin expression with one-year overall survival.


Supplementary Figure 8. Funnel plot of the odds ratio for the correlation of E-cadherin expression with three-year overall survival.


Supplementary Figure 9. Funnel plot of the odds ratio for the correlation of E-cadherin expression with five-year overall survival.


Supplementary Figure 10. Funnel plot of the odds ratio for the correlation of E-cadherin expression with depth of invasion.


Supplementary Figure 11. Funnel plot of the odds ratio for the correlation of E-cadherin expression with Borrmann classification.


Supplementary Figure 12. Funnel plot of the odds ratio for the correlation of E-cadherin expression with familial history.


Supplementary Figure 13. Funnel plot of the odds ratio for the correlation of E-cadherin expression with and Lauren type.


Supplementary Figure 14. Funnel plot of the odds ratio for the correlation of E-cadherin expression with liver metastasis.


Supplementary Figure 15. Funnel plot of the odds ratio for the correlation of E-cadherin expression with lymphatic node metastasis.


Supplementary Figure 16. Funnel plot of the odds ratio for the correlation of E-cadherin expression with lymphatic vessel invasion.


Supplementary Figure 17. Funnel plot of the odds ratio for the correlation of E-cadherin expression with distant metastasis.


Supplementary Figure 18. Funnel plot of the odds ratio for the correlation of E-cadherin expression with peritoneal metastasis.


Supplementary Figure 19. Funnel plot of the odds ratio for the correlation of E-cadherin expression with perineural invasion.


Supplementary Figure 20. Funnel plot of the odds ratio for the correlation of E-cadherin expression with HP infection.


Supplementary Figure 21. Funnel plot of the odds ratio for the correlation of E-cadherin expression with alcohol consumption.


Supplementary Figure 22. Funnel plot of the odds ratio for the correlation of E-cadherin expression with smoking status.


Supplementary Figure 23. Funnel plot of the odds ratio for the correlation of E-cadherin expression with vascular invasion.


Supplementary Figure 24. Funnel plot of the odds ratio for the correlation of E-cadherin expression with tumor size ( $\geq 5 \mathrm{~cm}$ vs. $<5 \mathrm{~cm}$ ).


Supplementary Figure 25. Funnel plot of the odds ratio for the correlation of E-cadherin expression with tumor size ( $\geq 6 \mathrm{~cm}$ vs. $<6 \mathrm{~cm}$ ).


Supplementary Figure 26. Funnel plot of the odds ratio for the correlation of E-cadherin expression with TNM stage.


Supplementary Figure 27. Funnel plot of the odds ratio for the correlation of E-cadherin expression with differentiation grade.

