

Supplementary Material

Association Between SpO₂ and The Risk of Death in Elderly T2DM Patients with Cerebral Infarction: A Retrospective Cohort Study

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1 Supplementary Figures and Tables

1.1 Supplementary Figures

The four levels of SpO₂ (SpO₂ ≤ 94.5, 94.5 < SpO₂ ≤ 96.5, 96.5 < SpO₂ ≤ 98.5, SpO₂ > 98.5) were determined by pre-experiments. Not included in the article due to space limitations. The details are as follows: with the 1-year mortality of elderly T2DM patients with cerebral infarction as the dependent variable and SpO₂ as the independent variable, computer simulation was carried out based on MATLAB software, and the data of 448 patients were randomly sampled 50 times, with 300 patients selected for each time. Fifty relationship curves were constructed using restricted cubic splines. It was observed that when the SpO₂ of patients was in the range of (94.5, 96.5), the risk of death of patients was very low. At the same time, moving 2% to the right, we established an SpO₂ cutoff point of 98.5% for high and notably high oxygen-saturation to compare survival in these two conditions.



































































































