The REMARK checklist

Item to be reported		Reported on Page Number/Line Number	Reported on Section/Paragraph
INTRODUCTION			
1	State the marker examined, the study objectives, and any pre-specified hypotheses.	Page3/line21-25	Introduction/para1
MATERIALS AND METHODS			
Patients			
2	Describe the characteristics (e.g., disease stage or co-morbidities) of the study patients, including their source and inclusion and exclusion criteria.	Page3/line29 Page4/line1-15	Methods/para1
3	Describe treatments received and how chosen (e.g., randomized or rule-based).	Page3/line29 Page4/line5-10	Methods/para1
Specimen characteristics			
4	Describe type of biological material used (including control samples) and methods of preservation and storage.	N/A	N/A
Assay methods			
5	Specify the assay method used and provide (or reference) a detailed protocol, including specific reagents or kits used, quality control procedures, reproducibility assessments, quantitation methods, and scoring and reporting protocols. Specify whether and how assays were performed blinded to the study endpoint.	N/A	N/A
Study design			
6	State the method of case selection, including whether prospective or retrospective and whether stratification or matching (e.g., by stage of disease or age) was used. Specify the time period from which cases were taken, the end of the follow-up period, and the median follow-up time.	Page3/line29 Page4/1-2 Page4/line23-29	Methods/para1 Methods/para2
7	Precisely define all clinical endpoints examined.	Page4/line23-29	Methods/para2
8	List all candidate variables initially examined or considered for inclusion in models.	Page4/line17-23	Methods/para2
9	Give rationale for sample size; if the study was designed to detect a specified effect size, give the target power and effect size.	N/A	N/A
Statistical analysis methods			
10	Specify all statistical methods, including details of any variable selection procedures and other model-building issues, how model assumptions were verified, and how missing data were handled.	Page5/line5-16	Methods/para3
11	Clarify how marker values were handled in the analyses; if relevant, describe methods used for cutpoint determination.	Page5/line5-7	Methods/para3

RESULTS			
Data			
12	Describe the flow of patients through the study, including the number of patients included in each stage of the analysis (a diagram may be helpful) and reasons for dropout. Specifically, both overall and for each subgroup extensively examined report the numbers of patients and the number of events.	Page5/ling19-20	Result/para1
13	Report distributions of basic demographic characteristics (at least age and sex), standard (disease-specific) prognostic variables, and tumor marker, including numbers of missing values.	Page5/line19-29 Page6/line1-7	Result/para1
Analysis and presentation			
14	Show the relation of the marker to standard prognostic variables.	Page6/line15-29	Result/para3
15	Present univariable analyses showing the relation between the marker and outcome, with the estimated effect (e.g., hazard ratio and survival probability). Preferably provide similar analyses for all other variables being analyzed. For the effect of a tumor marker on a time-to-event	Page6/line21-25	Result/para3
16	For key multivariable analyses, report estimated effects (e.g., hazard ratio) with confidence intervals for the marker and, at least for the final model, all other variables in the model.	Page6/line25-29	Result/para3
17	Among reported results, provide estimated effects with confidence intervals from an analysis in which the marker and standard prognostic variables are included, regardless of their statistical significance.	Page6/line21-29	Result/para3
18	If done, report results of further investigations, such as checking assumptions, sensitivity analyses, and internal validation.	N/A	N/A
DISCUSSION			
19	Interpret the results in the context of the pre-specified hypotheses and other relevant studies; include a discussion of limitations of the study.	Page7/line10-19 Page8/line13-21 page9/line1-4	Discussion/para2 Discussion/para4 Discussion/para6
20	Discuss implications for future research and clinical value.	Page9/ling8-13	Discussion/para7

In the REMARK report, there are 4, 5, 9 and 18 issues that are not covered in our manuscript. The following are the explanations of the four questions

4/5 Reason: clinical specimens and sample array analysis were not used in this study, and all the data came from medical records, so there was no 4/5 problem.

9 Reason: This study is a retrospective clinical study, so there are no problems such as estimating sample size and target power.

18 Reason: This study is a retrospective clinical study, which aims to analyze the relationship between clinicopathological features, peripheral blood inflammatory markers, prognosis and chemotherapy response, so there is no further analysis sensitivity and internal verification.

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*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.