

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 88927

Title: Combining systemic inflammatory response index and albumin fibrinogen ratio to predict early serious complications and prognosis after respectable gastric cancer

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05769914

Position: Peer Reviewer

Academic degree: PhD, MD

Professional title: Professor, Researcher, Doctor

Reviewer's Country/Territory: Mexico

Author's Country/Territory: China

Manuscript submission date: 2023-10-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-10-16 15:23

Reviewer performed review: 2023-10-20 06:08

Review time: 3 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In this paper Ren et al. evaluated the clinical importance and prognostic significance of the systemic inflammatory response index (SIRI) and the albumin fibrinogen ratio (AFR) on early postoperative outcomes in patients undergoing radical gastric cancer surgery. The paper is interesting, but I have some comments that should be addressed before its publication. -In the abstract section, it is necessary to add background information (see the format of the journal). In addition, the period of time related to study should be added. Please describe the three groups of patients mentioned in this section. The main statistical methods should also be included as well as the main results with statistical values. -There are some words with grammatical errors and some typos. -In the introduction section, please check the references 2 in order to correct the following phrase: "Gastric cancer is the second-highest cancer to be diagnosed and the secondary rate for gastric cancer compared to most developed countries2." -The authors should add some complications as examples in the next phrase: "Gastrectomy offers a substantial risk of postoperative complications....." -In the following phrases it is necessary to add the original references because the reference 6 and 9 are not directly

related to the phrases: "In actuality, postoperative complications following gastric surgery were reported to be 46%⁶." and "Relevant evidence reveals that more than 70%gastric cancer can lead to a significant shortening of the time a patient survives⁹." -Please add the references appropriate to the next phrase: "A significant variety of studies have increasingly reported that SIRS is strongly associated with the prognosis of a multitude of tumors." -The acronym OS should be defined. -The authors sometimes write albumin-fibrinogen ratio or fibrinogen-to-albumin ratio, please check and correct them. -In the materials and methods section, specifically in Patients and Follow-Up, please add the numbers of patients analyzed, including mean age and percentage of sex. -In the following phrase add the reference of Dindo et al. ("Classification of surgical complications: a new proposal with evaluation in a cohort of 6336 patients and results of a survey." or the reference related to a review that includes this information): "....and all complications were graded for severity according to the Clavien-Dindo complication grading system²⁶," -The authors should include the complications according to the proposed classifications: ".....with Grade I or II complications were categorized as minor complications, whereas Grade III and higher were characterized as major complications, whereas Grade III and higher were characterized as major complications." -Please describe the method performed for immunohistochemistry (ki67, P53, and Her2), including the method for their determinations. -What day is peripheral venous blood drawn after surgery? -Were chronic inflammatory diseases excluded? -In the following phrase: "The average age of the population group was 60.29 ± 9.79 (25-87)." Is the age range correct? -The acronym TNM should be defined in table 3. -In the results header "3.6 Establishment of the SIRS-AFR Score." The results, sensitivity, and specificity of the Youden index are unclear. -The following phrase is incompleting: "Lymphocytes played a part in immunologic surveillance and were contributory to identification and destruction³⁷." In addition, the



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reference 37 is not appropriate, please add the correct one. -The next phrase requires another reference to support the information: "Unlike other indicators of inflammation, inflammatory state of the patient after chemotherapy⁴⁰. -Change Mario for Schioetroma in the following phrase: " Recently, Mario and his colleagues confirmed that SIRS can be considered to potentially predict anastomotic fistulas after total gastrectomy⁵⁰." -Please correct the following "You's": In accordance with You's findings, -GC needs to be corrected in the next sentence: "Subsequently, we lacked evaluation of postoperative SIRS and AFR dynamic changes in a relatively large cohort of GC patients,"

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Reviewer's code: 00729304

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2023-10-15

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-15 10:53

Reviewer performed review: 2023-11-16 09:40

Review time: 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Major comments: The manuscript is disorganized and has been poorly written. It should be elaborated to reach scientific writing. The text should also be checked for the English language. The abstract section is descriptive and not statistically informative. The key points of the results section should be addressed in this section. The results section is busy and exhausting and all the findings of the tables are repeated in it. Tables 5 and 6 would be deleted and replaced by tables containing univariate and multivariate analyses for disease-free survival and overall survival. The components of SIRI and AFR such as neutrophil count, monocyte count, lymphocyte count, albumin, and fibrinogen serum levels should be included in the univariate and multivariate Cox regression analyses to determine whether SIRI and AFR are independent variables or not. Additionally, the components of SIRI and AFR should be included in Table 4. Minor comments: The authors should precisely use the words "recurrence" "relapse" and "metastasis". Recurrence and relapse may be locoregional or distant (metastasis). The authors used "recurrence" and "relapse as local recurrent diseases. So, it is better to use "locoregional recurrence" instead of "recurrence" and "relapse" in the text.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: PhD, MD

Professional title: Professor, Researcher, Doctor

Reviewer's Country/Territory: Mexico

Author's Country/Territory: China

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Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2023-12-11 04:00

Reviewer performed review: 2023-12-11 04:55

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I have no comments.