PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 91347

Title: Different types of tumor microvessels in stage I-IIIA squamous cell lung cancer and their clinical significance

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05560107

Position: Peer Reviewer

Academic degree: PhD

Professional title: Academic Editor, Associate Professor, Director, Doctor

Reviewer’s Country/Territory: China

Author’s Country/Territory: Russia

Manuscript submission date: 2023-12-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2024-01-03 00:41

Reviewer performed review: 2024-01-10 06:44

Review time: 7 Days and 6 Hours

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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<th>Novelty of this manuscript</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Good</th>
<th>[ ] Grade C: Fair</th>
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<td>[ ] Grade D: No novelty</td>
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<th>Creativity or innovation of this manuscript</th>
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<td>[ ] Grade D: No creativity or innovation</td>
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SPECIFIC COMMENTS TO AUTHORS
General comments for the author Lung cancer is the leading cancer type of death rate. Finding effective biomarker and target has always been a research hotspot in the clinical diagnosis and treatment of lung cancer. In this study, the author analyzed the investigate the differences in intratumoral microvessels and important stromal cells between ground glass opacity featured lung adenocarcinomas (GGO-LUAD) and solid nodule featured lung adenocarcinomas (SN-LUAD). The conclusion is that GGO-LUAD was significantly lower than SN-LUAD in CD34+ MVD and CD105+ MVD reflecting tumor angiogenesis, and the distribution of CAFs and factors related to tumor angiogenesis were also significantly lower in GGO-LUAD, which may indicate that the weak ability of angiogenesis might be the reason for the good prognosis of GGO-LUAD. The biggest problem with this study is that the sample size is too small for me to be sure of the correctness of the results. Major concern: 1. “Novelty” Through PubMed literature search, there are many studies on the microenvironment and vascular characteristics of lung squamous cell carcinoma [1-2], but there are not many systematic studies on the microvascular characteristics of tumors, which also has certain guiding significance for