

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Radiology*

**Manuscript NO:** 78598

**Title:** Diagnostic Efficacy of Diffusion, Semiquantitative and Quantitative Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Salivary Gland Tumors

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05372581

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Turkey

**Manuscript submission date:** 2022-07-05

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-07-05 13:57

**Reviewer performed review:** 2022-07-10 03:27

**Review time:** 4 Days and 13 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 Grade E: Do not publish
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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### **SPECIFIC COMMENTS TO AUTHORS**

1. Similar studies were found in PubMed. Authors shall cite part of them and discuss what is new and different from this article: MRI[TI] AND Salivary Gland Tumors[TI] 2. This article is not registered though it is retrospective. 3. The language needs revision by a native speaker, companied with a certificate of language editing service and a manuscript with tracked editing records as a Suppl. 4. There are some spelling mistakes and format errors, e.g. the typesetting is chaotic. 5. The discussion is not in-depth, limitation is lack, and the clinical implications shall also be added. 6. the references style is incorrect. 7. Provide supporting references for Section Methods, especially mentioning doses, time, etc. 8. State n = ? in Section Statistical analysis and all figure legends. 9. A graphic abstract is needed to add as a main figure or Suppl figure. 10. Please provide a duplicate check report by authors as a supplementary file (< 25%).

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**Reviewer's code:** 05257465

**Position:** Editorial Board

**Academic degree:** MS

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Turkey

**Manuscript submission date:** 2022-07-05

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-28 23:00

**Reviewer performed review:** 2022-08-28 23:33

**Review time:** 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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## SPECIFIC COMMENTS TO AUTHORS

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? Yes. 2 Abstract. Does the abstract summarize and reflect the work described in the manuscript? Yes. 3 Key words. Do the key words reflect the focus of the manuscript? Yes. 4 Background. Does the manuscript adequately describe the background, present status and significance of the study? Yes. Combined use of multi-parameter MRI including DWI and DCE-MRI could improve the diagnostic accuracy for salivary gland tumors. 5 Methods. Does the manuscript describe methods (e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? Yes. 6 Results. Are the research objectives achieved by the experiments used in this study? What are the contributions that the study has made for research progress in this field? Yes. The authors used the quantitative MRI parameters including ADC, Ktrans, Kep, and Ve, and semiquantitative perfusion MRI evaluation for salivary gland tumors. The differences of quantitative parameters and perfusion curve characteristics among different salivary gland tumors were presented. 7 Discussion. Does the manuscript interpret the findings adequately and appropriately, highlighting the key points concisely, clearly and logically? Are the findings and their applicability/relevance to the literature stated in a clear and definite manner? Is the discussion accurate and does it discuss the paper's scientific significance and/or relevance to clinical practice sufficiently? Yes. This study can enrich our understanding of multi parameter MRI including DWI and DCE-MRI in the diagnosis of salivary gland tumors. This article well demonstrates the methods of data measurement and analysis using DWI and DCE-MRI. 8 Illustrations and tables. Are the figures, diagrams and tables sufficient, good quality and appropriately illustrative of the



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paper contents? Do figures require labeling with arrows, asterisks etc., better legends? Good. 9 Biostatistics. Does the manuscript meet the requirements of biostatistics? Yes. 10 Units. Does the manuscript meet the requirements of use of SI units? Yes. 11 References. Does the manuscript cite appropriately the latest, important and authoritative references in the introduction and discussion sections? Does the author self-cite, omit, incorrectly cite and/or over-cite references? Good. 12 Quality of manuscript organization and presentation. Is the manuscript well, concisely and coherently organized and presented? Is the style, language and grammar accurate and appropriate? Good. 13 Research methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? Yes. 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? Yes