

## PEER-REVIEW REPORT

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

**Manuscript NO:** 55036

**Title:** Adaptive Radiation Therapy of breast cancer by repeated imaging during irradiation

**Reviewer's code:** 02446379

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-02-28

**Reviewer chosen by:** Jin-Zhou Tang

**Reviewer accepted review:** 2020-04-03 05:04

**Reviewer performed review:** 2020-04-08 18:13

**Review time:** 5 Days and 13 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<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**

In this manuscript Sager O et al. performed a minireview in order to evaluate the adaptive radiation therapy (ART) of the intact breast by repeated imaging during the course of irradiation and its implications for an improved therapeutic ratio. They finally manage to show that there is evidence supporting the utility of ART for breast cancer management, however, future trials are needed for validation of dosimetric and clinical results of ART with repeated imaging at different time points during the course of breast irradiation. Overall, the study is quite interesting, well written, the language is satisfactory and the figure and the table are well organized. I have one minor concern regarding an article presented in the table. In article by Alderliesten et al, reference 60, the authors write that the relevant findings at repeated imaging for boost RT the mean sarcoma volume is 63 cc as was in relevant findings at initial imaging for RT. Actually it was 25 cc and not 63 cc. This must be corrected accordingly. My final decision is that the study merits to be accepted for publication to the WJR taking into account the above mentioned issue.