# PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 53398

**Title:** Real-time three-dimensional echocardiography predicts cardiotoxicity induced by postoperative chemotherapy in breast cancer patients

**Reviewer's code:** 01507457

**Position:** Peer Reviewer

**Academic degree:** MBBS, PhD

**Professional title:** Professor, Research Associate, Research Scientist

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

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

**Manuscript submission date:** 2020-02-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-02-25 03:28

**Reviewer performed review:** 2020-03-15 02:59

**Review time:** 18 Days and 23 Hours

| Scientific quality | [  ] Grade A: Excellent    [ Y] Grade B: Very good    [  ] Grade C: Good  [  ] Grade D: Fair    [  ] Grade E: Do not publish |
|---|---|
| Language quality | [  ] Grade A: Priority publishing    [ Y] Grade B: Minor language polishing  [  ] Grade C: A great deal of language polishing    [  ] Grade D: Rejection |
| Conclusion | [  ] Accept (High priority)    [  ] Accept (General priority)  [ Y] Minor revision    [  ] Major revision    [  ] Rejection |
| Re-review | [  ] Yes    [  ] No |
| Peer-reviewer statements | Peer-Review: [ Y] Anonymous    [  ] Onymous  Conflicts-of-Interest: [  ] Yes    [ Y] No |

**SPECIFIC COMMENTS TO AUTHORS**

This is an interesting study of the diagnostic value of RT3DE in predicting cardiac toxicity of breast cancer patients undergoing chemotherapy. There are some methods to assess the left ventricular diastolic function, including echocardiographic indicators, 2D ultrasound speckle tracking imaging, serum pro-BNP, and cardiac troponin. However, all indicators have their shortcomings in the diastolic function assessment. RT3DE is feasible of measuring the irregular volume of left atrium, and it can be independent of the left atrium geometry and dynamically observe the movement and volume changes of the left atrium. However, there are few studies analyzing the value of left atrial volume in early predicting cardiac toxicity during chemotherapy. This study analyzed the value of RT3DE-related indicators for early prediction of cardiac toxicity caused by chemotherapy among breast cancer patients. The aim of the study is clear, and the methods are good. Data in tables are very interesting. A minor editing is required for tables. such as, ".0106" should be "0.0106" or "0.106"? and other data should also be checked and revised. What's the meaning of "*" in table 1 and table 2? Please explain it at the end of the table. Some minor language polishing also should be revised. Overall, I recommend to accept the manuscript after a minor revision.

# PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 53398

**Title:** Real-time three-dimensional echocardiography predicts cardiotoxicity induced by postoperative chemotherapy in breast cancer patients

**Reviewer's code:** 02856921

**Position:** Peer Reviewer

**Academic degree:** FACE, FRCS (Gen Surg), MD, PhD

**Professional title:** Associate Research Scientist, Emeritus Professor, Professor, Research Associate, Research Fellow

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

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

**Manuscript submission date:** 2020-02-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-02-25 03:42

**Reviewer performed review:** 2020-03-15 03:26

**Review time:** 18 Days and 23 Hours

| | |
|---|---|
| **Scientific quality** | [ ] Grade A: Excellent   [ ] Grade B: Very good   [Y] Grade C: Good <br> [ ] Grade D: Fair   [ ] Grade E: Do not publish |
| **Language quality** | [ ] Grade A: Priority publishing   [Y] Grade B: Minor language polishing <br> [ ] Grade C: A great deal of language polishing   [ ] Grade D: Rejection |
| **Conclusion** | [ ] Accept (High priority)   [Y] Accept (General priority) <br> [ ] Minor revision   [ ] Major revision   [ ] Rejection |
| **Re-review** | [ ] Yes   [ ] No |
| **Peer-reviewer** | Peer-Review: [Y] Anonymous   [ ] Onymous |

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

## SPECIFIC COMMENTS TO AUTHORS

An interesting study of RT3DE in breast cancer. The manuscript is well written. I recommend to accept it after a minor editing.