



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 01204088

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-18

**Review time:** 22 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not publish	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Muser et al. reviewed clinical applications of feature-tracking cardiac magnetic resonance imaging. Figure 2 is missing in the 40901-Manuscript File. Purposes of the review in the abstract and introduction are slightly different. In the abstract, they say they reviewed the basic principles, clinical applications, accuracy, and



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reproducibility of cardiovascular magnetic resonance myocardial feature tracking, highlighting its prognostic implications. In the introduction, they will focus on CMR feature tracking (CMR-FT) imaging of myocardial strain summarizing its basic principles, current clinical applications and future perspectives. Accuracy, reproducibility, and prognostic implications are mentioned only in the abstract, and future perspectives are mentioned only in the introduction. I think they do not have to be identical, but it is better they are not so different. Title page, line 4. Name of the country of this facility will be required.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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- [Y] No

##### ***BPG Search:***

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- [Y] No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 03650274

**Reviewer's country:** Italy

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-18

**Review time:** 1 Day

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The article is well written and the research topic is very interesting. I recommed acceptance after corrections of some typos and imporvement in English language.

### INITIAL REVIEW OF THE MANUSCRIPT



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- [Y] No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 00227375

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-19

**Review time:** 2 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is an excellent systematic review about cardiac magnetic resonance feature tracking imaging of myocardial strain. This manuscript is nicely structured and well written. I have a few minor comments about this manuscript. Please consider the following comments. (Comments) 1. Figure 2 seemed to be found nowhere. 2. Feature



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Tracking Normal Values, last line Correct “[13] [14] [15] [12]” to “[12] [13] [14] [15]”. 3. References [2] Correct “Caforio ALP” to “Caforio AL”. [6] Correct “Ibrahim E-SH” to “Ibrahim el-SH”. [8] Correct “Gotte MJW” to “Gotte MJ”. [34] Correct “Moon JCC” to “Moon JC”. [34] Correct “Coats AJS” to “Coats AJ”. [36] Correct “Keller MGP” to “Keller MG”. [44] Correct “te Riele ASJM” to “te Riele AS”.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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##### ***BPG Search:***

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- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 03732022

**Reviewer's country:** Ireland

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-20

**Review time:** 3 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

The authors reviewed the role of CMR feature tracking as a potentially useful time saving sequence/protocol with CMR, in imaging cardiovascular disease. The review was thorough but this imaging feature has not been proven in its clinical utility (e.g. accuracy/ reproducibility/ discriminative ability) beyond current protocols/sequences



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in CMR and the authors have acknowledged this. It is likely that the utility of this feature, if any, will be suited for a niche patient population. There are minor spelling errors eg debatable (instead of debating).

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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- [Y] No

##### ***BPG Search:***

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- Duplicate publication
- Plagiarism
- [Y] No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 02636166

**Reviewer's country:** Taiwan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-22

**Review time:** 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Dear Editor: Dr. Muser and colleagues made a comprehensive review for the topic of Clinical Applications of Feature-Tracking Cardiac Magnetic Resonance Imaging. In general the paper was well written. However and minor revision is needed. 1. Figure 2 is missed. 2. On line 16, page 6, a typo should be corrected to "36-months". 3. A table is



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suggested to be added and summarize the CMR derived strain parameters in the prediction of clinical events regarding ischemic heart disease and idiopathic cardiomyopathy for the general cardiologists.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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##### ***BPG Search:***

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- Duplicate publication
- Plagiarism
- [Y] No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 02446706

**Reviewer's country:** Netherlands

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-23

**Review time:** 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The authors are to be congratulated with their work. There some minor concern regarding the abbreviations used in this review. Please cite all abbreviation full out when present for the first time in the text. Page 6: Line 27: SCD Page 7: Line 5: WMA Page 11: Line 20: BAV. Page 12: Line 6: LVs Minor errors: Page 4: Figure 2 is missing.



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Please add images of fig.2 or re-number the current figures. Page 6: Line 18: Please consider months instead of monyhs.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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- [Y] No

##### ***BPG Search:***

- The same title
- Duplicate publication
- Plagiarism
- [Y] No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 02565578

**Reviewer's country:** Italy

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-24

**Review time:** 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input checked="" type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The authors reviewed the basic principles, clinical applications, accuracy, and reproducibility of cardiovascular magnetic resonance myocardial feature tracking. First of all, I need to point out that I am not an expert in diagnostic imaging. Nevertheless, I have found this review very comprehensive, informative and practical, both from



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technical and medical point of view. More effective paraphrasing of the referenced works would be advisable in order to avoid high similarity to other articles. Otherwise, I have no further comments to make.

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##### ***BPG Search:***

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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Cardiology

**Manuscript NO:** 40901

**Title:** Clinical applications of feature-tracking cardiac magnetic resonance imaging

**Reviewer's code:** 03491752

**Reviewer's country:** Jordan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-17

**Date reviewed:** 2018-07-25

**Review time:** 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
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### SPECIFIC COMMENTS TO AUTHORS

Dear the authors i want to thank you for your excellent work in writing this comprehensive and well written manuscript I personally donnot have any concerns about this manuscript



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