



PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 41245

Title: Coronary spasm: It's common, but it's still unsolved

Reviewer's code: 04333095

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-07-30

Date reviewed: 2018-07-30

Review time: 5 Hours

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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input 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 present an overview Editorial on coronary spasm. Generally, the topic is interesting both from a clinical and a scientific point of view. Please, enrich the text with more references to experimental results. A picture would also increase manuscript appeal. Some sentences are rather generic and not appropriate for an editorial, please



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revise (see come examples below): - "As shown above, in these days, no person has doubt the presence of coronary spasm, and "coronary spasm" or "vasospastic angina (VSA)" has joined the ranks of common diseases."; - "Given the accumulation of studies on coronary spasm by previous great cardiologists for more than half a century". The authors state: "However, some VSA patients should take β -blockers, such those with left ventricular dysfunction[10-12], hypertrophic cardiomyopathy[63], and myocardial bridging[24-26, 59, 64]". Please clearly describe that the above referred disease represent differential diagnoses vs coronary spasm. In the following passage, the authors refer to microvascular angina. However, despite some overlap in the pharmacological treatment, microvascular angina has a different pathophysiological background. The authors should make sure that the readers do not confuse the intended meaning of this period. Please remove the sentence or rephrase it to make clear it represents a differential diagnosis: "Finally, microvascular angina is an undoubtedly unsolved problem[27, 32]. According to a recent guideline on microvascular angina[32], the presence of microvascular coronary dysfunction (CMD) is defined as (1) the presence of symptoms suggestive of myocardial ischemia; (2) objective documentation of myocardial ischemia, as assessed by currently available techniques; (3) absence of obstructive CAD (<50% coronary diameter reduction and/or fractional flow reserve >0.80); and (4) confirmation of a reduced coronary blood flow reserve and/or inducible microvascular spasm. During SPT, the presence of microvascular angina or CMD is suspicious when symptoms of angina and STT changes on ECG are induced despite the absence of spasm in the major coronary arteries after administrations of ACh into the coronary arteries[27]".

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 41245

Title: Coronary spasm: It's common, but it's still unsolved

Reviewer's code: 03905734

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-07-30

Date reviewed: 2018-08-06

Review time: 7 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 checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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publish	<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

This is an interesting manuscript. Also, coronary spasm is a field in rapid expansion and thus the article is timely. English language needs a lot of refinement. In the title why is written "...is ONLY common..."?



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PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 41245

Title: Coronary spasm: It's common, but it's still unsolved

Reviewer's code: 00227375

Reviewer's country: Japan

Science editor: Fang-Fang Ji

Date sent for review: 2018-08-14

Date reviewed: 2018-08-15

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
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			<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 the mechanisms, diagnosis, and treatment of coronary spasm. This manuscript is nicely structured and well written. I have no question about this manuscript.



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PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 41245

Title: Coronary spasm: It's common, but it's still unsolved

Reviewer's code: 01204088

Reviewer's country: Japan

Science editor: Fang-Fang Ji

Date sent for review: 2018-08-14

Date reviewed: 2018-08-16

Review time: 1 Day

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
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Teragawa et al. focused on the mechanisms, diagnosis, and treatment of coronary spasm, including recent topics and uncertain or unsolved problems in this editorial. This editorial is well organized and nicely summarized on the interesting topic.



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PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 41245

Title: Coronary spasm: It's common, but it's still unsolved

Reviewer's code: 02729101

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-08-14

Date reviewed: 2018-08-20

Review time: 6 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
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors provide a well written and comprehensive review about coronary artery spasm , however ion the whole manuscript we did not find any mention to epidemiological data therefore relevance of vasoactive angina is not provided to the reader. A limited number of vasospastic angina was suspected along 36 years of



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clinical practice and at present a presuntive diagnosis is made in symptomatic patients with normal coronary vessels at angiographic examination . ECG monitoring and response to pharmacological treatment often support the diagnostic hypothesis , SPT with ergonovine was almost abandoned and only rarely ACH is used A table including sensitivity , specificity and frequency of side effects with the two drugs should be added. Similarly a table resuming the results of main studies may be useful to underline clinical aspects (difference in gender and race , incidence of life threatening arrhythmias , incidence of anatomic abnormalities associated with coronary spasm) . Finally the relation between spasm and microvascular angina should be better described since these conditions are usually associated with different clinical and prognostic features .

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