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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 25952

Title: Takotsubo syndrome: Advances in the understanding and management of an enigmatic stress cardiomyopathy

Reviewer's code: 00236103

Reviewer's country: Germany

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-27 10:06

Date reviewed: 2016-03-28 23:38

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is a comprehensive and informative overview on the Tako Tsubo Syndrome including clinical presentation, diagnostics, potential pathophysiological pathways, prognosis and treatment options. The manuscript is well designed and easy to read, although some minor language improvements may even optimize it. There are some minor points to be addressed: ? The detection of abnormalities in myocardial perfusion and metabolism by PET and SPECT should be described in more detail. E.g. were glucose, glutamate or fatty acid uptake disturbed? If yes, in which way? ? On the other hand, the text describing ECG changes should be shortened to a large extend, as the ECG criteria also have been summarized in the Table, and moreover are presented in a Figure. ? The use of positive inotropic substances has been critically commented, which certainly is correct. Do we have clinical cases describing a successful application of positive inotropic substances?



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 25952

Title: Takotsubo syndrome: Advances in the understanding and management of an enigmatic stress cardiomyopathy

Reviewer's code: 02794723

Reviewer's country: Germany

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-27 10:06

Date reviewed: 2016-04-02 15:25

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The manuscript "Takotsubo syndrome: advances in the understanding and management of an enigmatic stress cardiomyopathy." describes actual facts regarding the syndrome. It is well written and addresses most of all actual areas of diagnostics and therapy. But no psychological aspects are discussed and here some information is needed. Furthermore it is very long and needs shortening. Additionally I would change the order of some paragraphs: - Clinical features and Epidemiology in the beginning followed by - Pathophysiology



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 25952

Title: Takotsubo syndrome: Advances in the understanding and management of an enigmatic stress cardiomyopathy

Reviewer's code: 02453249

Reviewer's country: Italy

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-27 10:06

Date reviewed: 2016-04-07 04:44

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

1) The molecular and histologic studies exploring the response to injury in takotsubo disease should be described (see Chang et al Curr Treat Options Cardiovasc Med. 2016 Mar;18(3):20 - d'Avenia et al Cell Death Dis. 2015 Oct 29;6:e1948). 2) Echo and nuclear imaging data are lacking (see also Perrino et al Int J Cardiol. 2016 Jan 15;203:40-2)



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

ESPS manuscript NO: 25952

Title: Takotsubo syndrome: Advances in the understanding and management of an enigmatic stress cardiomyopathy

Reviewer's code: 02445850

Reviewer's country: Italy

Science editor: Xue-Mei Gong

Date sent for review: 2016-03-27 10:06

Date reviewed: 2016-04-04 02:49

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
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		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The authors reported a review on takotsubo syndrome. Several other reviews on this topic were published (also in this journal: World J Cardiol. Jul 26, 2014; 6[7]: 602-609). The peculiarity of this paper is the specific focus on the electrocardiographic differential diagnosis and diagnostic criteria for takotsubo syndrome. We suggest a greater conciseness of the ecg features description. Then, the table with the ecg predictors of takotsubo syndrome should report the sensitivity, specificity and accuracy of each criteria. We agree with the nomenclature used in the title. Subsequently, the authors married the term of takotsubo cardiomyopathy. We suggest also to consider this syndrome within the chapter of myocardial infarction with non obstructive coronary atherosclerosis (European Heart Journal. 2015 36, 475-481). However, we appreciate the brevity and clarity of the different aspects taken into account.