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PEER-REVIEW REPORT

Name of journal: World Journal of Cardiology

Manuscript NO: 52351

Title: Comparative Assessment of Clinical Profile and Outcomes after Primary Percutaneous Coronary Intervention in Young Patients with Single versus Multivessel Disease

Reviewer's code: 00397579

Position: Editorial Board

Academic degree: FACC, MD, PhD

Professional title: Assistant Professor

Reviewer's country: United States

Author's country: Pakistan

Manuscript submission date: 2019-10-29

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-11-17 04:38

Reviewer performed review: 2019-11-17 12:16

Review time: 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
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<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Minor revision	topic of the manuscript:
		<input 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

Muhammad et al reported a single center retrospective study comparing single vessel CAD (SVD) with multivessel CAD (MVD) of young STEMI patients, and found: 1) 40.1% of young STEMI patients in Pakistan had MVD; 2) MVD patients were slightly older; 3) less HTN and DM in SVD comparing to MVD young STEMI patients, but more prevalence of smoking in SVD patients; 4) more complex coronary lesions ("high-C") in MVD patients than SVD and 5) no statistical significance in outcomes (TIMI flow, in-hospital mortality, cardiogenic shock, etc). The study provided important information about young STEMI patients, is adding valuable information to the literature. The manuscript is well written. A few comments to be addressed during revision: 1) Please specify the definition of coronary artery lesions used in the study for the lesion being accounted for multivessel CAD? 2) Table 1 showed that nearly half of the STEMI patients (47.6% in general) in this particularly young group had "No symptoms, no angina" at presentation. This is unusual. Please explain. 3) It might be a good idea to pre-specify a composite outcome for analysis, i.e. MACE, to re-analyze the data to see whether there is any statistical difference in outcome between these two groups. 4) Were all the STEMI culprit lesions treated with stenting? How many stents were used for each group of patients (in average)? 5) The manuscript cited an increased contrast used in



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MVD patients. The authors should provide their data on this topic. 6) CIRC and LCX were both used in the manuscript for circumflex. Please choose one 7) Please used the official term of "CathPCI Registry®"

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No