Response to Letter Regarding Article, “Early Repolarization Is an Independent Predictor of Occurrences of Ventricular Fibrillation in the Very Early Phase of Acute Myocardial Infarctions”

We thank Drs Hayashi and Horie for their comments with regard to our recently published article.1 Previous reports demonstrated that cardiovascular drugs and heart rate can potentially alter the presence early repolarization.2–4 The prescribed medications and heart rate between the patients with and without early repolarization are shown in Table. There was no significant difference in the prescribed medications and heart rate between the 2 groups. When the occurrence of ventricular fibrillation was analyzed, the prescribed medications and heart rate did not differ between the patients with and without a ventricular fibrillation occurrence (Table). Although our study revealed that the prescribed medications and heart rate were not associated with the presence of early repolarization and the occurrence of ventricular fibrillation, further larger studies will be needed to confirm these findings.

Disclosures

None.

Yoshihisa Naruse, MD
Hiroshi Tada, MD
Akira Sato, MD
Kentaro Yoshida, MD
Yukio Sekiguchi, MD
Kazutaka Aonuma, MD

Table. Prescribed Medications and the Heart Rate in Our Study Subjects

<table>
<thead>
<tr>
<th></th>
<th>All (n=220)</th>
<th>ER (n=34)</th>
<th>No ER (n=186)</th>
<th>P Value</th>
<th>VF Occurrence (n=21)</th>
<th>No VF Occurrence (n=199)</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statin, n (%)</td>
<td>38 (17%)</td>
<td>5 (15%)</td>
<td>33 (18%)</td>
<td>0.667</td>
<td>6 (29%)</td>
<td>32 (16%)</td>
<td>0.219</td>
</tr>
<tr>
<td>β-blocker, n (%)</td>
<td>27 (12%)</td>
<td>2 (6%)</td>
<td>25 (13%)</td>
<td>0.269</td>
<td>4 (19%)</td>
<td>23 (12%)</td>
<td>0.301</td>
</tr>
<tr>
<td>ACE-I/ARB, n (%)</td>
<td>61 (28%)</td>
<td>11 (32%)</td>
<td>50 (27%)</td>
<td>0.512</td>
<td>5 (24%)</td>
<td>56 (28%)</td>
<td>0.673</td>
</tr>
<tr>
<td>CCB, n (%)</td>
<td>57 (26%)</td>
<td>12 (35%)</td>
<td>45 (24%)</td>
<td>0.174</td>
<td>5 (24%)</td>
<td>52 (26%)</td>
<td>0.817</td>
</tr>
<tr>
<td>Sulfonylurea, n (%)</td>
<td>24 (11%)</td>
<td>3 (9%)</td>
<td>21 (11%)</td>
<td>1.0</td>
<td>2 (10%)</td>
<td>22 (11%)</td>
<td>1.0</td>
</tr>
<tr>
<td>Heart rate, bpm</td>
<td>70±15</td>
<td>69±15</td>
<td>71±15</td>
<td>0.512</td>
<td>71±18</td>
<td>70±14</td>
<td>0.972</td>
</tr>
</tbody>
</table>

Values are reported as the mean±SD or n (%). ACE-I indicates angiotensin converting enzyme inhibitor; ARB, angiotensin receptor blocker; CCB, calcium channel blocker; ER, early repolarization; and VF, ventricular fibrillation.

References

Response to Letter Regarding Article, "Early Repolarization Is an Independent Predictor of Occurrences of Ventricular Fibrillation in the Very Early Phase of Acute Myocardial Infarctions"

Yoshihisa Naruse, Hiroshi Tada, Akira Sato, Kentaro Yoshida, Yukio Sekiguchi, Kazutaka Aonuma, Yoshie Harimura, Yuichi Noguchi and Mayu Hayashi

*Circ Arrhythm Electrophysiol.*, 2012;5:e115
doi: 10.1161/CIRCEP.112.977496

*Circulation: Arrhythmia and Electrophysiology* is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
Copyright © 2012 American Heart Association, Inc. All rights reserved.
Print ISSN: 1941-3149. Online ISSN: 1941-3084

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://circep.ahajournals.org/content/5/6/e115

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Circulation: Arrhythmia and Electrophysiology* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the Permissions and Rights Question and Answer document.

Reprints: Information about reprints can be found online at:
http://www.lww.com/reprints

Subscriptions: Information about subscribing to *Circulation: Arrhythmia and Electrophysiology* is online at:
http://circep.ahajournals.org//subscriptions/