Response to Letter Regarding Article, “Hemodynamic, Functional, and Clinical Responses to Pulmonary Artery Denervation in Patients With Pulmonary Arterial Hypertension of Different Causes: Phase II Results From the Pulmonary Artery Denervation-1 Study”

We read with interest the letter by Hoeper and Galiè, which raised several concerns about our article recently published in Circulation: Cardiovascular Interventions.

As we described in Pulmonary Artery Denervation-1 (PADN-I) study, the withdrawal of target drugs for pulmonary arterial hypertension was based on the clinical and hemodynamic measurements when patients had taken these targeted therapies for several years. A reason seemed to be ethical.

In terms of 12% all-cause mortality at 1-year follow-up after pulmonary artery denervation, the result is not surprising mainly because (1) most patients had been put on maximal medication for several years, without significant improvement in clinical and hemodynamic variables, indicating that patients were at high risk of death, (2) 18 patients had pulmonary hypertension secondary to left heart failure (15 with previous myocardial infarction and 3 with dilated cardiomyopathy). We have realized this number of mortality; however, it is too earlier to question that this number is too high when compared with medication because of no control group in our analysis. Again, some target drugs are toxic to patients with pulmonary arterial hypertension.

To shorten the article length, we only used group II pulmonary arterial hypertension to indicate pulmonary hypertension secondary to left heart failure. For this point, we put pulmonary hypertension secondary to left ventricular dysfunction after group II pulmonary arterial hypertension in the content. Frequent description of prostaglandin was intended to treat the left heart failure, not only focusing on pulmonary hypertension.

Yes, to further assess the clinical efficacy of pulmonary artery denervation, serial randomized clinical studies are required in future.

Disclosures

None.

Shao-Liang Chen, MD
Division of Cardiology
Nanjing First Hospital

References


Response to Letter Regarding Article, "Hemodynamic, Functional, and Clinical Responses to Pulmonary Artery Denervation in Patients With Pulmonary Arterial Hypertension of Different Causes: Phase II Results From the Pulmonary Artery Denervation-I Study"


doi: 10.1161/CIRCINTERVENTIONS.115.003463

Circulation: Cardiovascular Interventions is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
Copyright © 2016 American Heart Association, Inc. All rights reserved.
Print ISSN: 1941-7640. Online ISSN: 1941-7632

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://circinterventions.ahajournals.org/content/9/1/e003463

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in Circulation: Cardiovascular Interventions 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: Cardiovascular Interventions is online at:
http://circinterventions.ahajournals.org//subscriptions/