C-Reactive Protein and Cardiovascular Disease: Differences Between Humans and Mice

To the Editor:

We read with great interest the recent article by Zhang et al.\textsuperscript{1} Zhang et al\textsuperscript{1} concluded that the results from their study revealed that C-reactive protein may act not only as an inflammation marker but also as a mediator factor in hypertensive cardiac remodeling. The study by Zhang et al\textsuperscript{1} was done in mice, not in humans. This point may be relevant, because studies have shown that C-reactive protein itself does not appear to be causally related to hypertension and its complications in humans.\textsuperscript{2–4} Thus, using Mendelian randomization, it was shown that genetically elevated C-reactive protein was neither associated with hypertension nor with ischemic heart disease and ischemic cerebrovascular disease in humans.\textsuperscript{2–4} It is of note that none of these important human studies are cited in the article by Zhang et al.\textsuperscript{1} We think it may be important for the reader of Hypertension that it is discussed in more detail that the results presented in the article by Zhang et al\textsuperscript{1} may not be relevant to human hypertension and its complications, only to mice.

Disclosures

None.

Jørgen Jeppesen
Department of Medicine
Copenhagen University Hospital Glostrup and Faculty of Health Sciences

Camilla Asferg
Department of Clinical Physiology and Nuclear Medicine
Copenhagen University Hospital
Glostrup, Denmark

C-Reactive Protein and Cardiovascular Disease: Differences Between Humans and Mice

Jørgen Jeppesen and Camilla Asfeg

Hypertension. 2010;56:e15; originally published online May 17, 2010;
doi: 10.1161/HYPERTENSIONAHA.110.155077

Hypertension is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
Copyright © 2010 American Heart Association, Inc. All rights reserved.
Print ISSN: 0194-911X. Online ISSN: 1524-4563

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://hyper.ahajournals.org/content/56/1/e15

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