Supplemental Material (for online only)

Hironori Uzuka, MD, PhD;1 Yasuharu Matsumoto, MD, PhD;1 Kensuke Nishimiya, MD, PhD;1,2 Kazuma Ohyama, MD;1 Hideaki Suzuki, MD, PhD;1 Hirokazu Amamizu, MD;1 Susumu Morosawa, MD;1 Michinori Hirano, MD, PhD;1 Tomohiko Shindo, MD, PhD;1 Yoku Kikuchi, MD, PhD;1 Kiyotaka Hao, MD, PhD;1 Takashi Shiroto, MD, PhD;1 Kenta Ito, MD, PhD;1 Jun Takahashi, MD, PhD;1 Koji Fukuda, MD, PhD;1 Satoshi Miyata, MD, PhD;1 Yoshihito Funaki, PhD;4 Hatsue Ishibashi-Ueda, MD, PhD;5 Satoshi Yasuda, MD, PhD;6 Hiroaki Shimokawa, MD, PhD.1

Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan,1 Wellman Center for Photomedicine, Massachusetts General Hospital, Boston USA,2 Division of Brain Sciences, Department of Medicine, Imperial College London, United Kingdom,3 Cyclotron and Radioisotope Center, Tohoku University, Sendai, Japan,4 and Departments of Pathology5 and Cardiovascular Medicine,6 National Cerebral and Cardiovascular Center, Suita, Japan.

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Address for correspondence:
Hiroaki Shimokawa, MD, PhD.
Professor and Chairman
Department of Cardiovascular Medicine
Tohoku University Graduate School of Medicine
1-1 Seiryo-machi, Aoba-ku
Sendai, Japan 980-8574
(Tel) +81-22-717-7152, (Fax) +81-22-717-7156
(E-mail) shimo@cardio.med.tohoku.ac.jp
Supplemental Figures

**Figure 1**
Hierarchical clustering with Pearson’s correlation as similarity and coefficient and the Ward’s clustering in the protocol 1. The number of pigs was 6. Proximal and distal edges in 6 stents (n=6 each) in the protocol 1 were respectively expressed. Apparently, no cluster was detected in this analysis.
Figure II

Electrophysiological Parameters during Renal Denervation. Changes in power output (A), localized impedance (B), and localized temperature (C) during application. The number of pigs was 9 and the number of ablation times was 126. Results are expressed as mean±SEM. **P<0.01 vs. baseline.
Figure III

Representative pictures at the stent edges for hematoxylin-eosin (HE) stainings (A, E, L, P), toluidine blue stainings for mast cells (D, H), immunostainings for macrophages (CD68-positive) (B, F), interleukin (IL)-1β (C, G), ROCK1 (Rho-kinase β) (M, Q), ROCK2 (Rho-kinase α) (N, R) and phosphorylated myosin phosphatase target subunit-1 (pMYPT1) (a marker of Rho-kinase activation) (O, S). Quantitative analysis of cell number in the adventitia for macrophages (I), IL-1β-positive cells (J) and mast cells (K). Semi-quantitative analysis for the extent of ROCK1 (T), ROCK2 (U) and pMYPT1 (V). Scale bars represent 200μm (A, E, L-S), 100 μm (B, C, F, G) and 20 μm (D, H). The number of pigs was 9 each (both Sham and RDN). Results are expressed as mean±SEM. **P<0.01 Sham vs. RDN.
Supplemental Figure Legends

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