

Title	Plasma renin activity determined by two different methods in spontaneously hypertensive rats
Sub Title	
Author	栗山, 哲 (Kuriyama, Satoru) 川島, 紘一郎 (Kawashima, Koichiro) 曾我部, 博文 (Sokabe, Hirofumi)
Publisher	共立薬科大学
Publication year	1984
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.29 (1984.) ,p.49- 49
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000029-0049

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

**Plasma Renin Activity Determined by Two Different
Methods in Spontaneously Hypertensive Rats***

Satoru KURIYAMA**, Koichiro KAWASHIMA and Hirofumi SOKABE**

栗山 哲**, 川島紘一郎, 曾我部博文**

As a discrepancy exists between two reports from our laboratory on plasma renin activity (PRA) in spontaneously hypertensive rats (SHR), we undertook to examine the reasons for this discrepancy. PRA in SHR at 15 weeks of age was determined by two different methods, utilizing the procedures of Boucher et al. or of Haber et al. For normotensive controls, Donryu (DON) and Wistar-Kyoto (WKY) rats were used. By Boucher's method, PRA in SHR was significantly lower than in DON, but did not differ from WKY. By Haber's method, PRA in SHR did not significantly differ from DON or WKY. However, the value in DON was significantly higher than in WKY. The present study basically confirmed our previous results, concluding that PRA in SHR at 15 weeks of age is within the normal range. A previous suggestion that PRA in SHR is suppressed as a result of blood pressure elevation must be revised, because it was derived from results considering only the DON strain as the control.

* 本報告は *Japan Heart J.*, 23(4), 587—592 (1982) に発表

** 自治医大・薬理