



地方独立行政法人 静岡県立病院機構
 静岡県立総合病院
 Shizuoka General Hospital



報道解禁：日本時間 2024 年 6 月 19 日午前 0 時・19 日付朝刊

PRESS RELEASE

2024 6 17



GWAS [1]

[2]

[3]

16

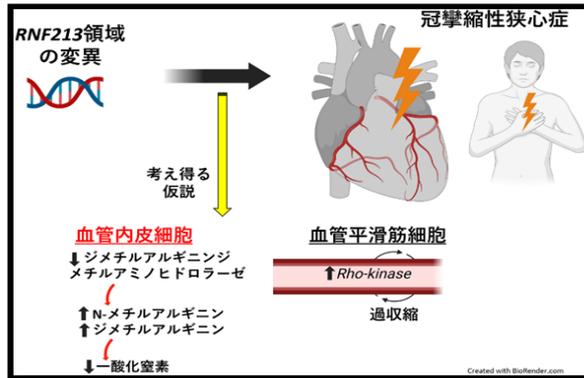
BBJ [4]

GWAS

6 19

JAMA Cardiology

6 18



1

GWAS

16

BBJ

GWAS

1 Ong P, Athanasiadis A, Borgulya G, et al. Clinical usefulness, angiographic characteristics, and safety evaluation of intracoronary acetylcholine provocation testing among 921 consecutive white patients with unobstructed coronary arteries. *Circulation*. 2014;129:1723-30.

14 3,964

BBJ

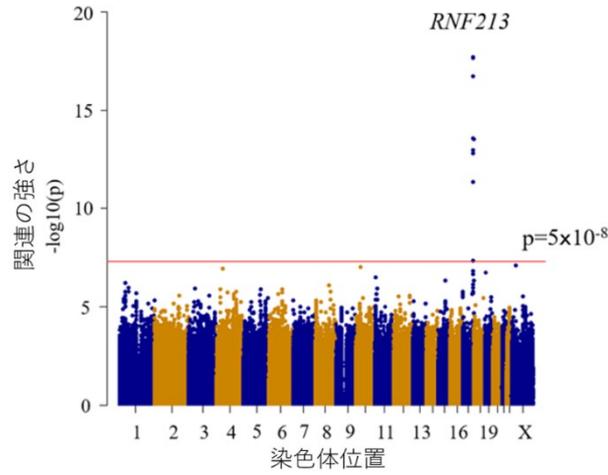
5,192

GWAS

[5]

[5]2.18 $p=2.0 \times 10^{-18}$

1



1 GWAS

p

$p = 5.0 \times 10^{-8}$

RNF213

17

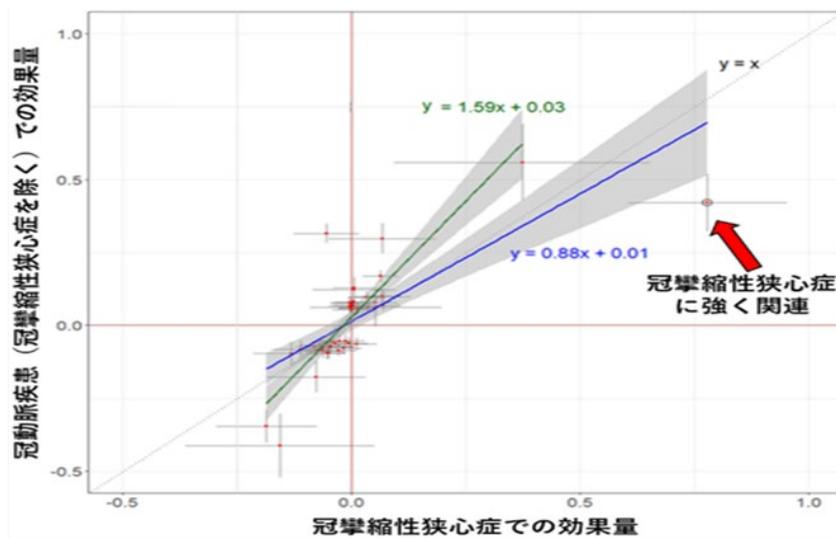
RNF213

[6]

GWAS

2

2



2

GWAS

95

RNF213

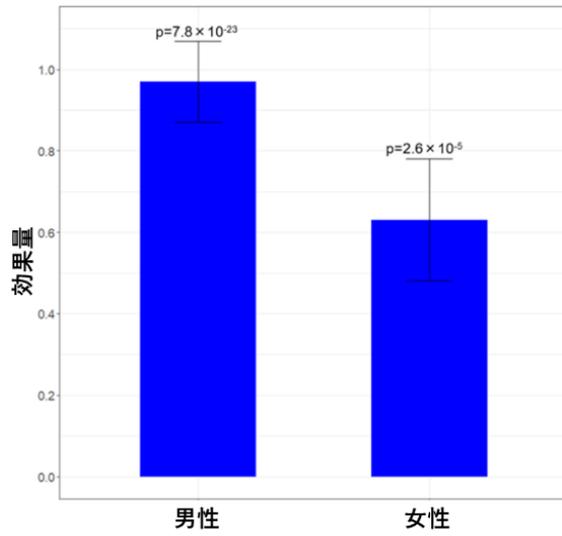
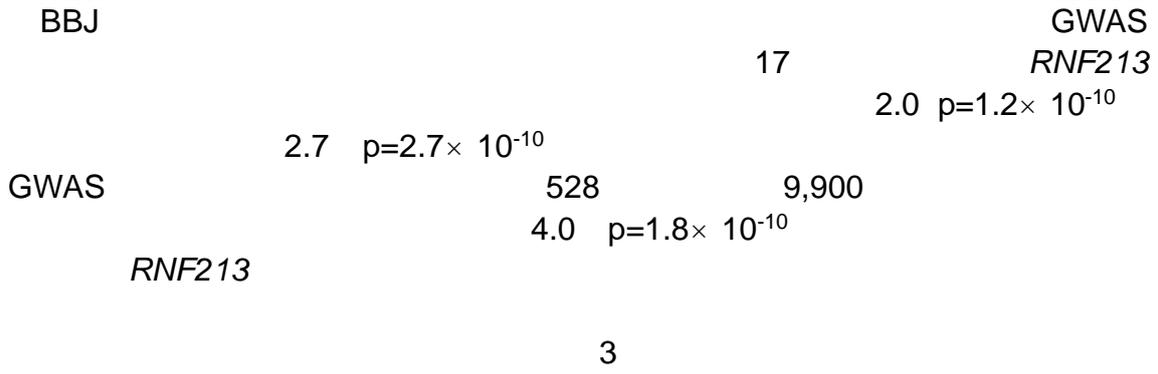
RNF213

95

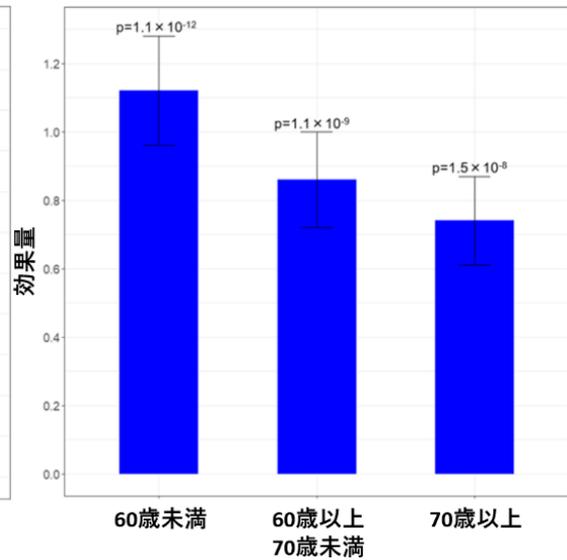
RNF213

95

RNF213



3 RNF213



RNF213

p

RNF213

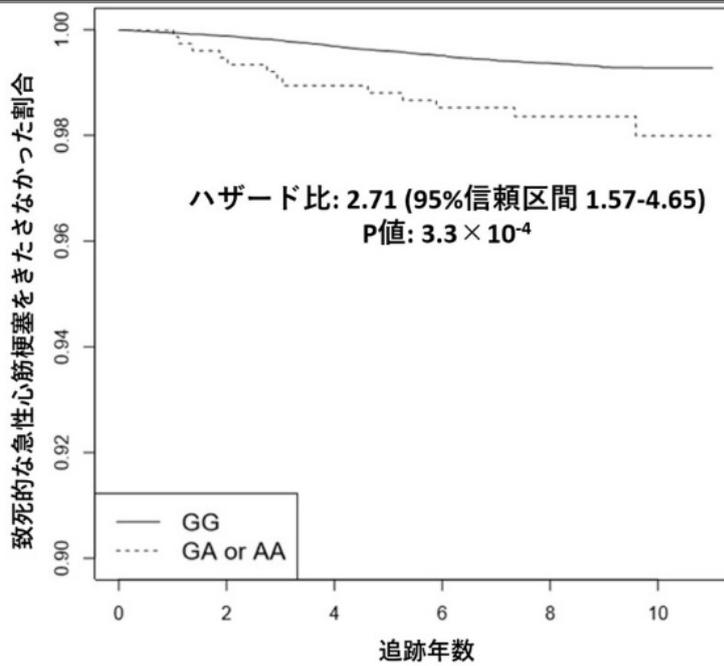
[7]

3

RNF213

[8] 2.7

4



4 *RNF213*

BBJ

RNF213

GA

AA

G

A

GG

A

2.71

RNF213

2 Koyama S, Ito K, Terao C, et al. Population-specific and trans-ancestry genome-wide analyses identify distinct and shared genetic risk loci for coronary artery disease. *Nat Genet.* 2020;52:1169-1177.

3 Duan L, Wei L, Tian Y, et al. Novel Susceptibility Loci for Moyamoya Disease Revealed by a Genome-Wide Association Study. *Stroke.* 2018;49:11-18.

RNF213 Variants, Vasospastic Angina, and Risk of Fatal Myocardial Infarction

Keiko Hikino, Satoshi Koyama, Kaoru Ito, Yoshinao Koike, Masaru Koido, Takayoshi Matsumura, Ryo Kurosawa, Kohei Tomizuka, Shuji Ito, Xiaoxi Liu, Yuki Ishikawa, Yukihide Momozawa, Takayuki Morisaki, Yoichiro Kamatani, The Biobank Japan Project, Taisei Mushiroda, Chikashi Terao.

JAMA Cardiology

DOI

10.1001/jamacardio.2024.1483

[1] GWAS

Single Nucleotide Polymorphism SNP

SNP

SNP SNP

Genome-Wide Association Study GWAS

[2]

[3]

[4] BBJ

20

DNA

<https://biobankjp.org/index.html>

[5]

GWAS

0.05 100

p

5.0×10^{-8}



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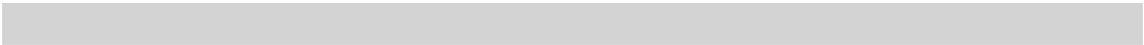


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[6]
DNA

[7]

[8]



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