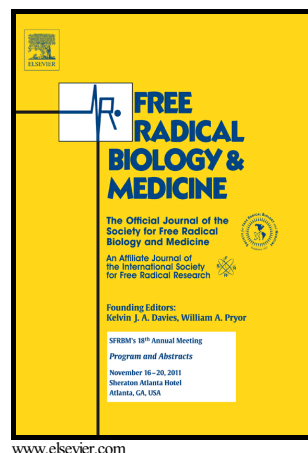


Author's Accepted Manuscript

An Intronic Single Nucleotide Polymorphism in the *MUTYH* Gene Is Associated with Increased Risk for HCV-induced Hepatocellular carcinoma

Akira Sakurada, Koji Miyanishi, Shingo Tanaka, Masanori Sato, Hiroki Sakamoto, Yutaka Kawano, Kohichi Takada, Yusaku Nakabeppu, Masayoshi Kobune, Junji Kato



PII: S0891-5849(18)31216-4
DOI: <https://doi.org/10.1016/j.freeradbiomed.2018.09.010>
Reference: FRB13912

To appear in: *Free Radical Biology and Medicine*

Received date: 11 July 2018
Revised date: 30 August 2018
Accepted date: 11 September 2018

Cite this article as: Akira Sakurada, Koji Miyanishi, Shingo Tanaka, Masanori Sato, Hiroki Sakamoto, Yutaka Kawano, Kohichi Takada, Yusaku Nakabeppu, Masayoshi Kobune and Junji Kato, An Intronic Single Nucleotide Polymorphism in the *MUTYH* Gene Is Associated with Increased Risk for HCV-induced Hepatocellular carcinoma, *Free Radical Biology and Medicine*, <https://doi.org/10.1016/j.freeradbiomed.2018.09.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

An Intronic Single Nucleotide Polymorphism in the *MUTYH* Gene Is Associated with Increased Risk for HCV-induced Hepatocellular carcinoma

Short Title: A SNP in the *MUTYH* Associated with Risk for HCC

AKIRA SAKURADA,¹ KOJI MIYANISHI,^{1,#} SHINGO TANAKA,¹ MASANORI SATO,¹
HIROKI SAKAMOTO,¹ YUTAKA KAWANO,¹ KOHICHI TAKADA,¹ YUSAKU
NAKABEPPU,^{2,#} MASAYOSHI KOBUNE,¹ and JUNJI KATO^{1,#}

¹ Department of Medical Oncology, Sapporo Medical University School of Medicine, Sapporo, Japan

² Division of Neurofunctional Genomics, Department of Immunobiology and Neuroscience, Medical Institute of Bioregulation, Kyushu University, Fukuoka, Japan

[#] Corresponding authors.

Grant Supports: This work was supported by JSPS KAKENHI Grant Numbers JP24590985, JP19390202, JP17390220.

Abbreviations used in this paper: ROS, reactive oxygen species; 8-oxodGuo, 8-oxo-7,8-dihydro-2'-deoxyguanosine; 8-oxoguanine or GO, 8-oxo-7,8-dihydroguanine; OGG1, 8-oxoguanine DNA glycosylase protein; CI, confidence interval; HR, hazard ratio; SNP, single nucleotide polymorphism

Correspondence: Koji Miyanishi, M.D., Ph.D., Department of Medical Oncology, Sapporo Medical University, School of Medicine, South-1, West-16, Chuo-ku, Sapporo, 060-8543,

Download English Version:

<https://daneshyari.com/en/article/10148103>

Download Persian Version:

<https://daneshyari.com/article/10148103>

[Daneshyari.com](https://daneshyari.com)