



Correction: Genetic and clinical characteristics in Japanese hereditary breast and ovarian cancer: first report after establishment of HBOC registration system in Japan

Masami Arai¹ · Shiro Yokoyama² · Chie Watanabe³ · Reiko Yoshida¹ · Mizuho Kita¹ · Megumi Okawa⁴ · Akihiro Sakurai⁵ · Masayuki Sekine⁶ · Junko Yotsumoto⁷ · Hiroyuki Nomura⁸ · Yoshinori Akama⁹ · Mayuko Inuzuka² · Tadashi Nomizu¹⁰ · Takayuki Enomoto⁶ · Seigo Nakamura²

Received: 14 November 2017 / Accepted: 14 November 2017 / Published online: 31 January 2018

© The Japan Society of Human Genetics 2018

Correction to: Journal of Human Genetics advance online publication, 08 November 2017; <https://doi.org/10.1038/s10038-017-0355-1>

Since the advance online publication of this article, the authors of the above paper have noticed the current Table 5 was not the original one.

Article with correct Table 5 now appears in this issue. The online html and pdf versions have also been rectified. The authors apologize for any inconvenience caused.

The original article can be found online at <https://doi.org/10.1038/s10038-017-0355-1>.

✉ Masami Arai
marai@jfcf.or.jp

- ¹ Clinical Genetic Oncology, Cancer Institute Hospital of Japanese Foundation for Cancer Research, Tokyo, Japan
- ² Breast Center Showa University, Tokyo, Japan
- ³ Faculty of Human Science, Sophia University, Tokyo, Japan
- ⁴ St Luke's International Hospital, Tokyo, Japan
- ⁵ Department of Medical Genetics, Sapporo Medical University, Hokkaido, Japan

- ⁶ Department of Obstetrics and Gynecology, Niigata University Graduate School of Medical and Dental Science, Niigata, Japan
- ⁷ Natural Science Division, Faculty of Core Research, Ochanomizu University, Tokyo, Japan
- ⁸ Department of Obstetrics and Gynecology, Keio University School of Medicine, Tokyo, Japan
- ⁹ Clinic of Familial Tumor, Hoshi General Hospital, Fukushima, Japan
- ¹⁰ Department of Surgery, Hoshi General Hospital, Fukushima, Japan

Table 5 Prevalence of deleterious mutations in *BRCA1* and *BRCA2* based on this study

Family history of breast cancer or ovarian cancer	Among first- and second-degree relatives				No family history of breast or ovarian cancer	Family history in only third- degree relatives
	-	+	-	+		
Breast cancer < 50 y	-	+	-	+		
Ovarian cancer (at any age)	-	-	+	+		
Patient's history						
Breast cancer ≥ 50 y	2/58 3.4%	9/58 15.5%	6/24 25.0%	1/8 12.5%	0/26 0%	0/8 0%
Breast cancer < 50 y	21/125 16.8%	45/139 32.4%	27/61 44.3%	17/27 63.0%	16/164 9.8%	1/17 5.9%
Ovarian cancer with no breast cancer at any age	0/2 0%	1/1 100%	1/2 50.0%	- -	1/5 20.0%	0/1 0%
Breast cancer and ovarian cancer at any age	1/1 100%	1/2 50%	4/4 100%	- -	1/6 16.7%	- -
Male breast cancer at any age	0/1 0%	0/1 0%	- -	- -	0/1 0%	- -
No breast cancer or ovarian cancer at any age	0/16 0%	2/27 7.4%	3/20 15.0%	0/7 0%	1/4 25.0%	0/1 0%