

Accepted Manuscript

Treatment of *Helicobacter pylori* with dielectric barrier discharge plasma causes UV induced damage to genomic DNA leading to cell death

Akikazu Sakudo, Hirotohi Miyagi, Takaya Horikawa, Risa Yamashiro, Tatsuya Misawa



PII: S0045-6535(18)30327-8

DOI: [10.1016/j.chemosphere.2018.02.115](https://doi.org/10.1016/j.chemosphere.2018.02.115)

Reference: CHEM 20873

To appear in: *ECSN*

Received Date: 7 November 2017

Revised Date: 24 January 2018

Accepted Date: 19 February 2018

Please cite this article as: Sakudo, A., Miyagi, H., Horikawa, T., Yamashiro, R., Misawa, T., Treatment of *Helicobacter pylori* with dielectric barrier discharge plasma causes UV induced damage to genomic DNA leading to cell death, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.02.115.

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 proof before it is published in its final 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.

1 **Treatment of *Helicobacter pylori* with dielectric barrier discharge plasma causes**
2 **UV induced damage to genomic DNA leading to cell death**

3

4 Akikazu Sakudo^{1*}, Hirotohi Miyagi¹, Takaya Horikawa¹, Risa Yamashiro¹, and
5 Tatsuya Misawa²

6

7 ¹Laboratory of Biometabolic Chemistry, School of Health Sciences, University of the
8 Ryukyus, Nishihara, Okinawa 903-0215, Japan

9 ²Department of Electrical and Electronic Engineering, Faculty of Science and
10 Engineering, Saga University, Saga 840-8502, Japan

11

12 *Corresponding author: Akikazu Sakudo

13 E-mail: sakudo@med.u-ryukyu.ac.jp

14

15 Postal address: Laboratory of Biometabolic Chemistry, School of Health Sciences,
16 Faculty of Medicine, University of the Ryukyus, 207 Uehara, Nishihara, Okinawa
17 903-0215, Japan.

18 Tel/Fax:+81-98-895-1252

19

Download English Version:

<https://daneshyari.com/en/article/8851791>

Download Persian Version:

<https://daneshyari.com/article/8851791>

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