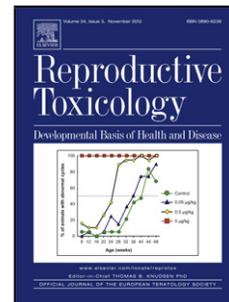


Accepted Manuscript

Title: Dietary exposure *in utero* and during lactation to a mixture of genistein and an anti-androgen fungicide in a rat mammary carcinogenesis model

Author: P Phrakonkham J P Brouland H El Sheikh Saad R Bergès C Pimpie M Pocard M C Canivenc-Lavier Perrot-Applanat



PII: S0890-6238(14)00101-4
DOI: <http://dx.doi.org/doi:10.1016/j.reprotox.2014.05.016>
Reference: RTX 6971

To appear in: *Reproductive Toxicology*

Received date: 6-12-2013
Revised date: 20-5-2014
Accepted date: 29-5-2014

Please cite this article as: Dietary exposure *in utero* and during lactation to a mixture of genistein and an anti-androgen fungicide in a rat mammary carcinogenesis model., *Reproductive Toxicology* (2014), <http://dx.doi.org/10.1016/j.reprotox.2014.05.016>

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 **Dietary exposure *in utero* and during lactation to a mixture of genistein and**
2 **an anti-androgen fungicide in a rat mammary carcinogenesis model.**

3 **P Phrakonkham** *¹⁻², **J P Brouland** *³⁻⁵, **H El Sheikh Saad** ³⁻⁴, **R Bergès** ¹⁻², **C Pimpie** ³⁻⁴, **M**
4 **Pocard** ³⁻⁴, **M C Canivenc-Lavier**¹⁻² and **Perrot-Applanat** ³⁻⁴

5 ¹INRA UMR1324, Centre des Sciences du Gout et de l'Alimentation, F-21000 Dijon, France ;
6 ²Université de Bourgogne, Dijon, France ; ³INSERM U965, Hôpital Lariboisière, F-75475
7 Paris ; ⁴Université Paris 7, F-75475 Paris, France ; ⁵Service d'Anatomopathologie, Hôpital
8 Lariboisière; F-75475 Paris.

9 * P Phrakonkham and JP Brouland equally contributed to the work

10

11

12 **Correspondance to:**

13 *Dr M. Perrot-Applanat INSERM U965*

14 *Hôpital Lariboisière, batiment Viggo Petersen*

15 *41 Bd de la chapelle*

16 *75475 Paris Cedex 10, France*

17 *Phone (33)6 65 39 64 28*

18 *Fax: (33) 1-53-72-40-29*

19 *E-mail: martine.applanat@inserm.fr*

20

21 **Short running title:** Mammary gland carcinogenesis with EDC mixture

22

23 **Keywords:** Endocrine disruption, mammary gland carcinogenesis, phytoestrogen, anti-
24 androgen, gestational and lactational exposure.

25

26 The authors declare they have no competing financial interest.

27

28 **Liste of abbreviations**

29 AR: androgen receptor; BPA: bisphenol A; DCIS, ductal in situ carcinoma; EDC: endocrine
30 disrupting compounds; E2: estradiol ; ER: estrogen receptor; ER α : estrogen receptor alpha; G:
31 Genistein; GV: Genistein + Vinclozolin; PND: postnatal day; PR, progesterone receptor;
32 TCDD: 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin; TEB, terminal end bud; V: Vinclozolin.

33

Download English Version:

<https://daneshyari.com/en/article/5858407>

Download Persian Version:

<https://daneshyari.com/article/5858407>

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