

Accepted Manuscript

Increasing vitamin A in post-weaning diets reduces food intake and body weight and modifies gene expression in brains of male rats born to dams fed a high multivitamin diet

Diana Sánchez-Hernández, Clara E. Cho, Ruslan Kubant, Sandra A. Reza-López, Abraham N. Poon, Jingzhou Wang, Pedro S.P. Huot, Christopher E. Smith, G. Harvey Anderson

PII: S0955-2863(14)00111-9
DOI: doi: [10.1016/j.jnutbio.2014.05.002](https://doi.org/10.1016/j.jnutbio.2014.05.002)
Reference: JNB 7205

To appear in: *The Journal of Nutritional Biochemistry*

Received date: 5 September 2013
Revised date: 21 April 2014
Accepted date: 1 May 2014

Please cite this article as: Sánchez-Hernández Diana, Cho Clara E., Kubant Ruslan, Reza-López Sandra A., Poon Abraham N., Wang Jingzhou, Huot Pedro S.P., Smith Christopher E., Anderson G. Harvey, Increasing vitamin A in post-weaning diets reduces food intake and body weight and modifies gene expression in brains of male rats born to dams fed a high multivitamin diet, *The Journal of Nutritional Biochemistry* (2014), doi: [10.1016/j.jnutbio.2014.05.002](https://doi.org/10.1016/j.jnutbio.2014.05.002)

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.



Increasing vitamin A in post-weaning diets reduces food intake and body weight and modifies gene expression in brains of male rats born to dams fed a high multivitamin diet

Diana Sánchez-Hernández¹, Clara E. Cho¹, Ruslan Kubant¹, Sandra A. Reza-López¹, Abraham N. Poon¹, Jingzhou Wang¹, Pedro S.P. Huot¹, Christopher E. Smith¹ and G. Harvey Anderson^{1,2}

Departments of ¹Nutritional Sciences and ²Physiology, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada.

CORRESPONDING AUTHOR: G. Harvey Anderson

Nutritional Sciences, Faculty of Medicine, University of Toronto

150 College Street, Room 322, Toronto, Ontario, Canada M5S 3E2

Tel: 416-978-1832, Fax: 416-978-5882, E-mail: harvey.anderson@utoronto.ca

RUNNING TITLE: Vitamin A modifies DNA methylation, food intake and reward genes

FINANCIAL DISCLOSURE: Canadian Institute of Health Research, Institute of Nutrition, Metabolism and Diabetes (CIHR-INMD), Reference MOP-93624.

KEY WORDS

Vitamin A, epigenetics, obesity, gene expression, hypothalamus, hippocampus

Download English Version:

<https://daneshyari.com/en/article/8337092>

Download Persian Version:

<https://daneshyari.com/article/8337092>

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