

Correction

Open Access

Effects of alpha-linolenic acid vs. docosahexaenoic acid supply on the distribution of fatty acids among the rat cardiac subcellular membranes after a short- or long-term dietary exposure

Amandine Brochot^{1,2}, Marine Guinot¹, Daniel Auchere¹, Jean-Paul Macaire¹, Pierre Weill², Alain Grynberg¹ and Delphine Rousseau-Ralliard*¹

Address: ¹Institut National de la Recherche Agronomique (INRA)-Université Paris-Sud 11, Unité Mixte de Recherche 1154, Lipides Membranaires et Régulation Fonctionnelle du Coeur et des Vaisseaux, Institut Fédératif de Recherche 141, Faculté de Pharmacie, Châtenay-Malabry, F-92296, France and ²Société Valorex, Combourtillé, France

Email: Amandine Brochot - amandinebrochot@gmail.com; Marine Guinot - marine.guinot@jouy.inra.fr; Daniel Auchere - not@valid.com; Jean-Paul Macaire - jean-paul.macaire@jouy.inra.fr; Pierre Weill - pierre.weill@valorex.com; Alain Grynberg - alain.grynberg@jouy.inra.fr; Delphine Rousseau-Ralliard* - delphine.rousseau@jouy.inra.fr

* Corresponding author

Published: 11 September 2009

Received: 10 September 2009

Nutrition & Metabolism 2009, **6**:35 doi:10.1186/1743-7075-6-35

Accepted: 11 September 2009

This article is available from: <http://www.nutritionandmetabolism.com/content/6/1/35>

© 2009 Brochot et al; licensee BioMed Central Ltd.

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Correction

A mistake has been noted in our recently published (25 March 2009) article [1]. This error appeared in the material and methods section, and concerns the content of Table 1.

An overlapping of the lines has occurred in the fatty acid profile section of the Table, due to an unfortunate insertion of the 22:2 n-6, a fatty acid that has nothing to do there. This returns any impossible understanding, particularly of the DHA supply and so intake. Table 1 has therefore been replaced here with a version that is both correct and also readable.

Table 1: Formulation and fatty acid composition of the experimental diets.

	CTL diet g/kg of diet	DHA diet g/kg of diet	ALA diet g/kg of diet	Extruded linseed flour ⁵ g/kg
Basal mix ¹				
Protein				200
Soy protein isolate ²	170	170	147	
Glucides				110
Sucrose	220	220	216	35
Cornstarch	440	440	402	
Fibers (mucilages, ...)				171
Cellulose	20	20		80
Minerals and other components				
L-Cystine	5	5	5	
Choline chloride	5	5	5	
Mineral mixture ³	50	50	48	
Vitamin mixture ³	10	10	10	
Extruded linseed flour ⁴				
Lipids				
hydrogenated coconut oil ⁵	15.2	15	11.3	280
Cocoa butter ⁶	14.4	18	25.7	
Sunflower seed oil ⁷	48	17	8.9	
Rapeseed oil ⁸	2.4	10		
n-3 LCPUFA-rich oil ⁹		20		
Humidity				80
Fatty acid composition ¹⁰				
	% of total FA	% of total FA	% of total FA	% of total FA
14:0	4.7	4.6	3.5	-
16:0	11.2	13.2	10.2	5.9
18:0	8.5	11.4	8.4	2.9
18:1 n-9	21.7	17.5	17.0	17.3
18:2 n-6	35.5	16.9	18.2	17.7
18:3 n-3	0.6	23.3	1.4	55.1
20:5 n-3	-	-	2.5	-
22:5 n-3	0.3	0.5	0.5	-
22:6 n-3	-	-	16.8	-
Total SFA	40.6	40.7	39.8	9.1
Total MUFA	22.7	18.4	18.0	18.1
Total PUFA	36.8	40.8	42.2	72.8
Total n-6 PUFA	36.0	17.5	20.5	17.7
Total n-3 PUFA	0.7	23.4	21.7	55.1
n-6/n-3 ratio	50.6	0.7	0.9	0.3
PUFA/SFA ratio	0.9	1.0	1.1	8.0

References

1. Brochot A, Guinot M, Auchere D, Macaire JP, Weill P, Grynberg A, Rousseau-Ralliard D: **Effects of alpha-linolenic acid vs. docosa-hexaenoic acid supply on the distribution of fatty acids among the rat cardiac subcellular membranes after a short- or long-term dietary exposure.** *Nutr Metab (Lond)* 2009, **6**:14.

Publish with **BioMed Central** and every scientist can read your work free of charge

"BioMed Central will be the most significant development for disseminating the results of biomedical research in our lifetime."

Sir Paul Nurse, Cancer Research UK

Your research papers will be:

- available free of charge to the entire biomedical community
- peer reviewed and published immediately upon acceptance
- cited in PubMed and archived on PubMed Central
- yours — you keep the copyright

Submit your manuscript here:
http://www.biomedcentral.com/info/publishing_adv.asp

