Accepted Manuscript

Investigating the risk-benefit balance of substituting red and processed meat with fish in a Danish diet

Sofie Theresa Thomsen, Sara Monteiro Pires, Brecht Devleesschauwer, Morten Poulsen, Sisse Fagt, Karin Hess Ygil, Rikke Andersen

PII: S0278-6915(18)30437-X

DOI: 10.1016/j.fct.2018.06.063

Reference: FCT 9884

To appear in: Food and Chemical Toxicology

Received Date: 20 April 2018
Revised Date: 28 June 2018
Accepted Date: 29 June 2018

Please cite this article as: Thomsen, S.T., Pires, S.M., Devleesschauwer, B., Poulsen, M., Fagt, S., Ygil, K.H., Andersen, R., Investigating the risk-benefit balance of substituting red and processed meat with fish in a Danish diet, *Food and Chemical Toxicology* (2018), doi: 10.1016/j.fct.2018.06.063.

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.



ACCEPTED MANUSCRIPT

Investigating the Risk-Benefit Balance of Substituting Red and Processed Meat with Fish in a Danish Diet¹

Authors: Sofie Theresa Thomsen^{1*}, Sara Monteiro Pires¹, Brecht Devleesschauwer^{2,3}, Morten Poulsen¹, Sisse Fagt⁴, Karin Hess Ygil⁴, Rikke Andersen¹

¹ Division of Diet, Disease Prevention and Toxicology, National Food Institute, Technical University of Denmark, Kemitorvet, Building 202, 2800 Kgs. Lyngby, Denmark

² Department of Epidemiology and Public Health, Sciensano, Juliette Wytsmanstreet 14, 1050 Brussels, Belgium

³ Department of Veterinary Public Health and Food Safety, Faculty of Veterinary Medicine, Ghent University, Salisburylaan 133, 9820 Merelbeke, Belgium

⁴ Division of Risk Assessment and Nutrition, National Food Institute, Technical University of Denmark, Kemitorvet, Building 202, 2800 Kgs. Lyngby, Denmark

* **Corresponding author**: Sofie Theresa Thomsen, Technical University of Denmark, National Food Institute, Kemitorvet, building 201, room 115, 2800 Kgs. Lyngby, Denmark.

Phone: +45 35887562; e-mail: sthth@food.dtu.dk

¹ Abbreviations: AI: Adequate

¹ Abbreviations: AI: Adequate Intake; Bw: Body weight; CHD: Coronary Heart Disease; CONTAM: Contaminants in the Food Chain; CRC: Colorectal Cancer; DALY: Disability-Adjusted Life Year; DANSDA: Danish National Survey of Diet and Physical Activity; DHA: Docosahexaenoic Acid; dl-PCB: Dioxin-Like Polychlorinated Biphenyls; DW: disability weight; EFSA: European Food Safety Authority; EPA: Eicosapentaenoic Acid; FAO: Food and Agriculture Organization of the United Nations; FBDG: Food-Based Dietary Guidelines; IQ: Intelligence Quotient; LE: Life Expectancy; MeHg: Methyl Mercury; NDA: Dietetic Products, Nutrition, and Allergies; P10: 10th Percentile; P50: 50th Percentile; P90: 90th Percentile; RBA: Risk-Benefit Assessment; RR: Relative Risk; SC: Stomach Cancer; SD: Standard Deviation; TCDD: 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin; TEF: Toxic Equivalency Factor; TEQ: Toxic Equivalents; TWI: Tolerable Weekly Intake; WHO: World Health Organization; YLD: Years Lived with Disability; YLL: Years of Life Lost.

Download English Version:

https://daneshyari.com/en/article/8546278

Download Persian Version:

https://daneshyari.com/article/8546278

<u>Daneshyari.com</u>