



POSTER PRESENTATION

Open Access

Antenatal prevention of atopic dermatitis associated with food allergies

Vera Revyakina*, Elena Berezina, Elena Kuvshiniva, Tatiana Sentsova, Anna Timofeeva, Svetlana Denisova

From Food Allergy and Anaphylaxis Meeting 2014
Dublin, Ireland. 9-11 October 2014

To establish effect of probiotic *Lactobacillus reuteri* which is used in women in the last pregnancy trimester, prevalence of atopic dermatitis in children of the first 6 months of life. One group of women took *Lactobacillus reuteri* as chewing tablets of probiotic *Lactobacillus reuteri*, with dairy-limited diet excluding walnuts prior delivery. The second group of pregnant women took only proposed diet. Cumulative prevalence of atopic dermatitis was lower in group of children which mothers took *Lactobacillus reuteri* (6.7%) during pregnancy than in group of children of mothers from control group (24.2%). Analysis of the clinical features of disease showed that in children of the main group was observed mild atopic dermatitis (SCORAD amounted to 12,3+0.14 points). In children of the control group was middle and severe of atopic dermatitis (SCORAD 22-52 points, respectively).

The use of *Lactobacillus reuteri* by women in the last pregnancy trimester was positive for general condition and status of gastrointestinal tract. Pregnant women which took *Lactobacillus reuteri* had increased metabolic activity of lactic flora and recovered balance between aerobic/anaerobic microorganisms. Disorders of intestinal microbial balance in pregnant women in control group were not recovered to the end of pregnancy.

Published: 30 March 2015

doi:10.1186/2045-7022-5-S3-P130

Cite this article as: Revyakina et al.: Antenatal prevention of atopic dermatitis associated with food allergies. *Clinical and Translational Allergy* 2015 **5**(Suppl 3):P130.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



Institute of Nutrition, Moscow, Russia



© 2015 Revyakina 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/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated.