

Abstract

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The effects influencing pregnancy and the allergy in children

Diploma thesis

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AIM: The aim of this study was to investigate, if using drugs during pregnancy, using drugs during breast-feeding, stress and nausea can influence development of allergies. Next, investigate if the growing number of potential risk factors may increase the risk of allergies.

METHODS: Processing data from the questionnaire-based study in 2011. There were sent 2793 questionnaires to basic schools in Czech Republic. Questionnaires were designed for parents of 7th- 8th grade students who were born in 1995-1999. The return was about 61%. Results of the study were processed by the score that was evaluated by chi-square test and Mann Whitney test.

RESULTS: Both tests confirmed that using drugs during pregnancy, using drugs during breast-feeding and stress belongs to the possible risk factors. The influence of nausea was confirmed just by Mann Whitney test. We also confirmed that the growing number of risk factors might increase the risk of allergies.

CONCLUSIONS: Results of our study demonstrate that lifestyle in pregnancy can influence development of allergies. Prenatal prevention of allergy is important but because of misunderstanding in this field, other studies are required. These studies can clarify what pregnant woman should do to prevent development of allergies.