

Abstract

The bachelor thesis "Can obesity be a natural consequence of human evolution?" with the subtitle "Comparison of hypotheses about the evolutionary causes of obesity. " Is a thesis that deals with a hypothetical analysis which attempts to explain the high prevalence of obesity in terms of an evolutionary relationship between environmental factors and the environment, including an emphasis on retrospective disciplines and current knowledge of biomedicine. The main focus of the thesis is to evaluate the hypotheses' arguments, to compare them and to establish the grounds for the author's opinion on these theories.

The presentation focuses on a hypothesis that explains obesity as an adaptation of metabolic energy conservation, such as behavioral adaptation, while briefly analyzing the theory of the non-adaptive origin of obesity. In conclusion, the thesis presents the most probable hypothesis for the causes of evolution, which could be the answer to the final question of this work: Can obesity be a natural consequence of evolution?

The key question of this bachelor thesis cannot be answered definitely, because it is almost impossible to solve this problem with a single hypothesis that would explain the whole development of obesity. The objective is thus determined by selecting and comparing the most probable hypotheses of the causes of evolution.

In my opinion, the most important argumentation from the published source journals was verified and currently accepted as valid hypothesis, which in the future could play an important role in the growing epidemic of what we constitute as obesity.

Key words

Obesity, overweight, evolution, hypotheses of causes of evolution, diabetes II. type, behavioral adaptation