PUBLIC HEALTH APPROACHES TO THE PREVENTION AND TREATMENT OF SYSTEMIC DISEASES TO ENSURE SUSTAINABLE DEVELOPMENT OF THE GLOBAL ECONOMY

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Introduction. The sustainable development of the world economy certainly depends on the quality of human potential - people, how effectively they can work in various sectors of the economy, while this primarily depends on the physical condition of people, on their health. For centuries, since its inception during the Roman Empire, Public health has been a social field that has introduced approaches and measures to support the health of large groups of people, up to the entire world population. Measures such as hand washing, disinfection, including water disinfection, vaccination, the use of antibiotics and effective insecticides, which Public health has been able to implement globally, have allowed infectious diseases to be controlled and life expectancy to increase dramatically. Nowadays people live longer and usually do not die from infectious diseases, however, another challenge has emerged – millions of people develop severe systemic diseases such as cardiovascular or cerebrovascular, chronic respiratory or pulmonary, cancer, diabetes, neurodegenerative, therefore cannot live and work effectively. Therefore, we now need to find approaches and measures to combat systemic diseases that could be applied globally. In our presentation, we will introduce such approaches and measures that have already been proposed and that we found in scientific publications.

Method. To find novel data/publications in the field, we searched various scientific databases.

Results. We found the information on recently identified causes of various systemic diseases that were not previously considered in their prevention as well as curing, for example - environmental factors acting through stress mechanisms, the accumulation of various metals in the human body, the role of periodontal pathogens, etc. We also found interesting approaches, supposing the involvement of other sectors of economy/business (Park et al., 2022), that Public health might use for the rapid improvement of the situation with systemic diseases; and the food industry might play a key role (Olson et al., 2021).

Conclusions. By strengthening the body's own defense mechanisms, including through therapeutic nutrition, it is possible to prevent and cure even most incurable systemic diseases (Mangelsdorf et al., 2017). Scientists have already suggested such mechanisms for various diseases, but these data have not yet been implemented in clinical practice. Public health has already tools to implement.

References:

Mangelsdorf I., Walach H., & Mutter J. (2017). Healing of Amyotrophic Lateral Sclerosis: A Case Report. Complement Med Res 24:175–181

Olson R., et al. (2021). Food Fortification: The Advantages, Disadvantages and Lessons from Sight and Life Programs. Nutrients, 13, 1118.

Park J., et al. (2022). The grand challenge of human health: a review and an urgent call for business-health research. Business & Society 61, 5.