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4th November, 2019

To the Committee on State Prizes of Ukraine

in the field of science and technology

02000, Kyiv, vul. Antonovich, 51/9

Ukraine

Dear Sir/Madam,

RE: RESPONSE to scientific work "High-tech methods of rendering specialized dental care in peacetime and in wartime", author's team consist of: Malanchuk V.O., Schneider S.A., Denga O.V., Drogomiretska M.S., Likhota A.M., Mazur I.P., Rybachuk A.V., submitted for the State Prize of Ukraine in the field of science and technology in 2019.

I refer to the captioned scientific work submitted for the State Prize of Ukraine in the field of Science and Technology 2019.

The team of authors revealed long-term epidemiological examinations of oral health and dental diseases, including somatic pathology, in pediatric and adult population of Ukraine. A morbidity database was created. New mechanisms of pathogenesis of periodontal tissue diseases have been revealed, experimental evaluation of prevention methods and treatment of major diseases has been developed and conducted. Children with cerebral palsy have a high prevalence and intensity of dental caries. A treatment-prophylactic complex has been developed that helps to increase nonspecific resistance, to reduce the degree of microbial contamination of the oral cavity, to increase the mineralizing function of the oral fluid. In children with type 1 diabetes, a treatment-prophylactic complex was developed and pathogenically substantiated. To substantiate new high-tech methods of rendering specialized dental care in peacetime and wartime, which are being implemented in practical activities, educational and methodological process, complex experimental, clinical and radiological, laboratory, microbiological and molecular genetic studies were conducted. Algorithm and technical support for rendering dental care to military personnel in peacetime and wartime have been developed.

There are no analogues of such complex research in the world. Systematic approach to achieving this goal - ensuring dental health in the population of Ukraine based on the study of large-scale epidemiological surveys of the population of different country regions, statistic analysis of the dental care system of Ukraine, determination of the main etiological

and pathogenic factors, taking into account anatomical and physiological conditions, external negative factors of influence on the human body, the results of the conducted system experiments. Their clinical and radiological, laboratory studies, allowed to purposefully influence the causes of development, course and treatment of dental diseases, to obtain high sustainable results, to substantiate and offer in practice new high-tech methods of providing specialized dental care in an effective way, improve the health of the oral cavity and the body as a whole, reduce the cost and to improve quality of life.

The above allows to appreciate the contribution of the team of the authors team of scientists and their work "High-tech methods of rendering specialized dental care in peacetime and war", it can be nominated for the State Prize in the field of science and technology, and the author's team deserves for the award of the State Prize of Ukraine in Science and Technology in 2019.

If you have any questions, please don't hesitate to contact me at 96553522 or braces@smilesolution.hk.

I look forward to your favorable reply. Thanks!

Sincerely,



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