

НАУКОВО-ПРАКТИЧНА КОНФЕРЕНЦІЯ
З МІЖНАРОДНОЮ УЧАСТЮ,
присвячена 95-річчю
з дня народження
Л. В. ПРОКОПОВОЇ

СУЧАСНІ ТЕОРЕТИЧНІ ТА ПРАКТИЧНІ АСПЕКТИ КЛІНІЧНОЇ МЕДИЦИНИ

для здобувачів освіти
другого (магістерського) рівня

27–28 квітня 2023 року

Тези доповідей



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МЕДУНІВЕРСИТЕТ



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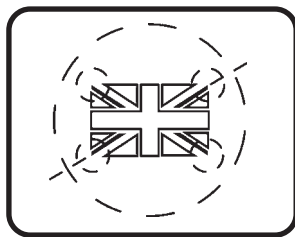
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МУЛЬТИДИСЦИПЛІНАРНА АНГЛОМОВНА СЕКЦІЯ Multidisciplinary English Section

TO THE QUESTION ABOUT FOREIGN STUDENTS DIFFICULTIES DURING REMOTE LEARNING

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Actuality: COVID-19 pandemy and war conditions created essentiality of remote learning vast introducing in Pedagogy, especially for foreign applicants. Foreign applicants possess a row of psycho-physiological peculiarities defining necessity to apply special educational methods and approaches different from the ones used while domestic applicants studying. Absent direct contact between the tutor and the applicants hardens materials proper giving that is of crucial importance especially for the foreign applicants. On the other hand eyes and brain have additional loading during remote learning — there are the tasks to see, analyze and remember well. That is why it is rather better to prepare for licence exam Krok 1 after printing the booklets and other materials but not while reading them with mobile phone or computer.

The work **aim** was to investigate the difficulties foreign applicants face during remote learning to develop more effective pedagogical and other means to help them to receive better education.

Materials and methods: surveys in the students of the English and Russian educating forms from the various courses and faculties.

Results: practically all the students mentioned problems with Internet from their side and the tutors', often short or even absent lessons due to current situation in Ukraine with the only giving tasks and without good or any explanations, absent scientific materials to prepare and essentiality to use pure Internet with rather often possible mistakes in the non-scientific sources, absent adapted materials especially for the students of Russian educating form big percentage of who had no preparing faculty but started learning Russian from the 1-st course and asked to send them as less words but as much essence as possible while using thematic schemes, figures, tables.

Conclusions: we hope that our modest work will help to create the most favorable conditions for foreign applicants to receive their education that will encourage to their academic and therefore cultural and cross-cultural adaptation significantly. We propose using so called individual approach based into typological belonging taking into consideration as well as inclusive education in teaching the foreign applicants

widely as it has been recommended by United Nations Organization but is applied while working with the people having special needs primarily.

DETERMINATION OF THE BIOLOGICAL ACTIVITY OF 2-, 3-, 4- AMINOPHENYLACETIC ACID HEXAFLUOSILICATES AS POTENTIAL ANTI-CARIES AGENTS

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Caries is a damage to the hard tissues of the tooth, which begins with the destruction of the enamel. For the prevention and treatment of caries, fluoride preparations are widely used, among which sodium fluoride is considered the "gold standard". Recently, active directed synthesis and study of ammonium hexafluorosilicate and other hexafluorosilicates with organic cations as potential anti-caries agents have begun.

To establish the biological activity of previously synthesized isomeric compounds — 2-aminophenylacetate acid of hexafluorosilicate (2-APAA HFS), 3-aminophenylacetate acid of hexafluorosilicate (3-APAA HFS) and 4-aminophenylacetate acid of hexafluorosilicate (4-APAA HFS) in the work, the activity of elastase was determined in the mucous membrane of the mouth (in 0.1M citrate buffer, pH 6.1) and determining the concentration of calcium ions in the alveolar bone homogenate (in 0.1M HCl). Gels containing comparison preparations (fluorine preparations NaF, $(\text{NH}_4)_2[\text{SiF}_6]$) and 2-, 3-, 4-APAA HFS were made on the basis of carboxymethylcellulose gel (sodium salt). The concentration of the drug in the gel corresponded to a fluoride dose of 1.88 mg/kg. The object of the study were previously synthesized isomers: 2-, 3-, 4-APAA HFS. The experiment was conducted on seven groups of 1-month-old Wistar rats (at the beginning of the experiment); the weight of rats at the beginning of the experiment was 60 grams, males, the number of animals in each group was seven. Rats of groups 2–7 were kept on Stefan's cariogenic diet (KGD) (sucrose 50%). All rats of the experimental groups (groups 3–7) and the control group (group 2) received oral gels with drugs at a dose of 0.3 ml per day for 30 days (except Sundays), covering the teeth and gums with the gel. After application, rats were not fed for 1 hour.

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