



# **ABSTRACT BOOK**



**KHARKIV, UKRAINE**  
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**INTERNATIONAL SCIENTIFIC  
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# BIOMEDICAL SCIENCES



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HIV transmission among the groups of risk – MSM, PWID, SW. Besides that, there is a need in prevention measures among the population, especially among the youth.

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### **HAND HYGIENE AMONG MEDICAL STUDENTS IN KHNMU**

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**Introduction.** Practicing hand hygiene is a simple yet effective way to prevent infections. Cleaning hands of medical staff can prevent the spread of germs, including those that are resistant to antibiotics and are becoming difficult, if not impossible, to treat. On average, healthcare providers clean their hands less than half of the times they should. On any given day, about one in 25 hospital patients has at least one healthcare-associated infection. The aim is to assess the awareness and compliance of medical students with hand hygiene.

**Materials and methods.** A medical students survey of hand hygiene practices was performed in Kharkiv National Medical University (KhNMU) during spring 2017. We are asking medical students of 1-3 courses to complete a short questionnaire "How often they wash their hands". The questionnaire consist of 15 questions.

**Results.** A total of fifty students were invited to fill the questionnaire. The participating students included twenty-six males and twenty-four females. The average awareness regarding the positive indications of hand hygiene was 51.7% for male students and 62.5% for female students. In our study, 56% of positive indications for hand hygiene outlined in the questionnaire were correctly identified, and 44% students were either unaware or not sure about these moments. This is comparable to the results that have been reported in literature.

**Conclusions.** Hand hygiene is the most effective method of preventing transmission of infections. The hand hygiene awareness and compliance among the medical students were found to be very low. Multifaceted and dedicated efforts must be undertaken to rectify this attitude and behavior from early on. Medical schools are highly encouraged to modify and enhance their curriculum in order to improve hand hygiene practices among the students. The improved understanding of infection control and hand hygiene among students is expected to play a major role in curbing disease transmission when the students pass out and join the healthcare work force in future.

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### **MALARIA**

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**Introduction.** Malaria is a mosquito-borne infectious disease affecting humans and other animals caused by parasitic protozoans belonging to the Plasmodium type. The

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