Lorherper for advancement of treatment and improvement of education of medical students of enp – deseases

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Introduction:

Implementation of information systems and technologies (IST) to the health care system is widely and important today. That is why using of IST in remote areas is very promising, due to the opportunity to avoid miss – diagnostic of pathologies of ENT – organs. Integration of IST in students every day life allows using in education processes as well.

The aim

of this work was to create software for doctors of different specialities and integrate it for students.

Materials and Methods:

Clinical protocols for otorhinolaryngology, approved by the Ministry of Healthcare of Ukraine.

Results:

Program ″LORHELPER" based on OS Android was designed. LORHELPER based on syndromic and interdisciplinary approaches. Program works on the principle from general to specific: doctor or student have to choose main syndrome, and then clarify manifestations, thereby narrowing the range of possible diagnoses. After verification of diagnose, program automatically shows required clinical protocol. There is an opportunity to return to previous stages. Using LORHELPER allows consumer to use all information from clinical protocols, by searching required data in the program base. User can compare data obtained during the examination of the patient with illustrations of main ENT – diseases, in order to avoid miss – diagnosis. Program can be useful to a wide range of specialists, regardless of their speciality. It can be also used by students in problem – based learning (PBL), announcing modern tendency in etiology, pathogenesis, diagnostics and treatment of ENT – pathologies.

Conclusion:

LORHELPER – is a modern application for mobile devices that will improve not only quality of treatment, but quality of education of students in PBL.