

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ

“TO MAKE THE WORLD SMARTER AND SAFER”

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THE INNOVATIONS IN MEDICINE AND MODERN LIFE

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Health and helping people are priority now. Young inventors and entrepreneurs don't want any more to earn by selling more comfortable life: they want to save people, to put paralyzed patients on their feet and give hope to childless families. There are a lot of innovations that are very interesting and helpful.

Improving health through genome. It took more than 13 years and \$ 1.5 billion for the first time to decipher the human genome. Today, the full human genome can be installed in one day and less than 1 000 dollars. New research will increasingly expand our understanding of hereditary diseases in humans.

Application to fight infertility. Designed for women Glow app allows you to plan conceiving for childless couples, and those who suffer from infertility - get medical help. Once connected, each user pays a monthly fee of \$50. If over the next 10 months, pregnancy does not occur, you can go to the clinic for an examination of infertility treatment - and the company Glow First covers the costs. As part of pregnancy planning application allows you to take into account not only the calendar cycle, but also the degree of emotional discomfort, weight, daily body temperature and other parameters. Glow also calculates the daily probability of conception as a percentage, reminisces that you need to take prenatal vitamins and performs other tasks that woman writes in the application.

Cardiac Alive Cor allows ECG using iPhone: anywhere and at any time. Application for Alive Cor can freely download in the Apple App Store. To make an electrocardiogram, is enough to turn a smartphone into a horizontal position and press the fingertips to the

sensors, or attach it to his chest in the heart area. ECG saved as PDF, can be printed or sent via e-mail to your doctor.

Online consultation with a doctor. HealthTap mobile app empowers anyone, anywhere in the world (of course, if there is internet) to ask doctors the questions related to health and medicine. Experts answer in text format, as in social network. One question can be answered by many physicians. For pregnant women and mothers there is a special section Doctor Moms, where questions are answered by the doctors, who have their own children.

Scientists created a molecule that kills cancer. American scientists from Maine announced the creation of a molecule capable of provoking self-destruction of cancer cells. According to them, they developed the technology that had more effect than chemotherapy. It had good results in the treatment of leukemia. Unique molecule discovered in the course of genetic research, worked on the principle of "gene vacuum cleaner", finding and destroying the "bad" cells. It integrated into the defense system of the cancer cell and provoked it to self-destruction, while healthy cells stayed untouched. After studying the genome of cancer cells, scientists were able to create a "molecule-killer", which responds to the genes responsible for the protection of cancer cells, and, therefore, the very protective system.

So, as we see, medicine does not stand still. It improves and develops everyday more and more. Thanks to young researchers who want to help people we have a lot of innovations, that help us to fight diseases or get healthier.