

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

**МАТЕРІАЛИ XI ВСЕУКРАЇНСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
СТУДЕНТІВ АСПІРАНТІВ ТА ВИКЛАДАЧІВ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО
ЦЕНТРУ КАФЕДРИ ІНОЗЕМНИХ МОВ**

“TO MAKE THE WORLD SMARTER AND SAFER”

(Суми, 23 березня 2017 року)

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY STATE UNIVERSITY
FOREIGN LANGUAGES DEPARTMENT
LANGUAGE CENTRE

**MATERIALS OF THE ELEVENTH
ALL UKRAINIAN SCIENTIFIC PRACTICAL
STUDENTS', POSTGRADUATES' AND INSTRUCTORS'
CONFERENCE OF LANGUAGE CENTRE OF THE
FOREIGN LANGUAGES DEPARTMENT**

“TO MAKE THE WORLD SMARTER AND SAFER”

(Sumy, March 23, 2017)

TOP 3 INNOVATION IN MEDICINE

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Nowadays we cannot image our life without achievements in different spheres of life and medicine. These 3 top device are aimed to help patients and doctors to diagnose and prevent its consequences. One of the greatest discoveries is FRM in medicine.

Frictionless Remote Monitoring

Taking into consideration the aim of modern technology “to make the world smarter and safer” it’s worth saying that medical science is not staying at one place. A recent study has estimated that 20% of American adults are wearing a device that collects data on anything from exercise and sleep habits to heart rate and blood pressure. The holy grail of wellness monitoring simultaneously measures and analyzes four main things: air quality, activity, food choices and stress levels. To think that millions of sick patients can directly benefit by using wearables that are monitoring data with every breath or chemical change in the body. One of attractive market has been diabetes. Needle-free glucose monitoring would allow a device to be worn using biosensors on the skin to detect glucose levels constantly monitoring and alerting patients and doctors if a dangerous situation arises. Innovation devices that offer frictionless platforms predict a surge of vital medical data in 2016.

Airing

Sleep apnea is a very common problem that doesn't have a very viable or practical solution. Sufferers of sleep apnea stop breathing while they sleep and often choke or gasp throughout the night. Meanwhile no oxygen is getting to the sleepers brain since they aren't breathing. Over time this leads to heart and metabolic

diseases as well as many other health problems. Today the most common solution is bulky masks fitted with hoses and straps that deliver airway pressure while the user sleeps. These masks are uncomfortable and hard to sleep with. And while they are a solution they aren't very good or well like one airing is billed as the first homeless maskless and cordless device for sleep apnea sufferers,-It weighs just under an ounce and would only cost three dollars. Airing is powered by zinc-air batteries which are small but contain a lot of energy and compare the device for around eight hours.

Non-Invasive Fetal DNA Tests

Some pregnant women especially those that are older and age have an increased chance of developing a condition responsible for genetic diseases and missing or extra chromosomes in the fetus. The screening process to check for such conditions like Down syndrome often involves the uncomfortably invasive procedure known as amniocentesis in which a clinician must stick a needle into the womb to collect cells. Not only do expectant mothers have to stress out about getting the test but there's also a small chance of having a miscarriage. A new test which isn't regulated by the FDA and has only been on the market since October of 2011 involves nothing more than a simple blood test.

Every day young scientists discover the simplest but very important decision of different medical problems. Enormous technological changes are heading our way. If we are unprepared for the future, we'll lose all abilities to diagnose the disease faster without having doubt.