

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

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

**“WITH FOREIGN LANGUAGES TO MUTUAL
UNDERSTANDING, BETTER TECHNOLOGIES AND
ECOLOGICALLY SAFER ENVIRONMENT”**

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TOP 5 INVENTIONS IN MEDICAL TECHNOLOGY

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By definition, medicine is the science of diagnosing, treating, or preventing disease and damage to the body or mind. A medical invention would be any instrument, machine, implant, or similar article that is useful in the diagnosis, treatment, or prevention of disease, for example: the thermometer, artificial heart, or a home pregnancy test.

So here I would like to present you top 5 inventions in medical technology.

AbioCor Artificial Heart

Although artificial hearts have been used in humans before, AvioCor proved to be more technically advanced than all of its predecessors. It is worth mentioning that previous artificial hearts required the user to be connected to a huge console through tubes and electrical power lines that passed through the person's skin. This meant that the patient had to be bedridden.

Robots Helping Perform Surgeries

It is too early to talk about autonomous machines that will be able to perform serious surgeries. Nevertheless today we have robo-surgeons that with the help of humans carry out serious operations.

In 2010 a group of surgeons at McGill University used the da Vinci robo-surgeon together with a robot anesthesiologist, dubbed ironically McSleepy, to remove a patient's prostate. It was the world's first surgery performed without direct implication of humans, with surgeons involved only in the process of controlling the robots/

iLIMB Bionic Hand

Invented by David Gow in 2007, the device, known as the iLIMB, became the world's first artificial hand to boast 5 individually powered fingers.

To develop the iLIMB, Gow had to overcome a large number of obstacles. He built the iLIMB with 3 separate parts: the finger, thumb and palm, with each part featuring its own motor-control system.

It would be interesting to note that the iLIMB was named by the "Popular Science" magazine one of the best innovations.

Camera Pill

The device was developed with the goal of taking quality, color images in confined spaces.

It can detect early signs of esophageal cancer, which is the fastest growing type of cancer in the United States.

Using the new scanning device is rather cheap due to the fact that it is small and there is no need of anesthesia and sedation.

Bio-Artificial Liver

The device is called "bio-artificial" due to the fact that it is made of both biological and manufactured component parts. The blood of the user circulates through the device and a unique synthetic membrane parts it from the animal cells. It would be interesting to note that the membrane plays an important role in the device - it prevents the rejection of the cells, while permitting the cells to detoxify the user's blood just like a natural liver.