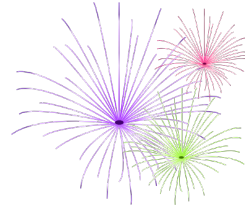




**UTN**  
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**January Newsletter**



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**Looking Forward: 10 Biggest Innovations in  
Healthcare Technology**

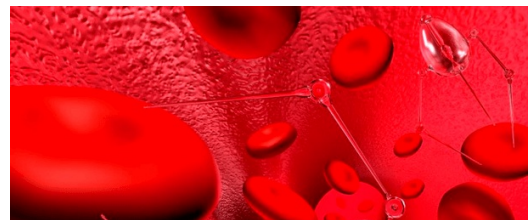
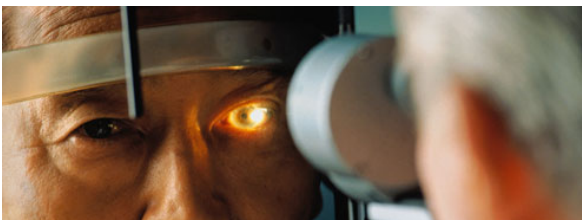
happy new year  
happy new days  
happy new desires  
happy new chances  
happy new you

**January is Glaucoma Awareness Month**



This year has been filled with new medical discoveries and technologies that continue to push the envelope for healthcare. As the medical field continues to evolve with its advancements, we have much to look forward to for our future. Here are the 10 biggest healthcare technology innovations we look forward to:

**1. Nanobots in Blood**



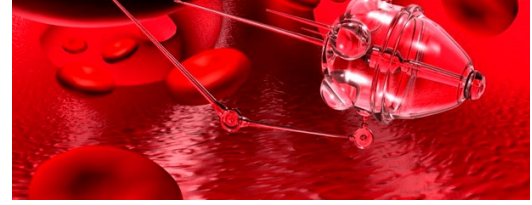


More than 2.7 million people in the United States over age 40 have glaucoma. The National Eye Institute projects this number will reach 4.2 million by 2030, a 58 percent increase.

There are no ways to prevent glaucoma but it is recommended to schedule regular eye exams:

- before age 40, every two to four years
- from age 40 to age 54, every one to three years
- from age 55 to 64, every one to two years
- after age 65, every six to 12 months

Studies also recommend exercising at least three times a week to help lower the effect of intraocular pressure (IOP) to prevent damage to the optic nerve.



These miniature robots could perform small tasks like delivering chemotherapy 1000 times more powerful than using drugs and would not cause as many side-effects to patients like the current treatments do.

## 2. Head Transplants and Mind Transfer



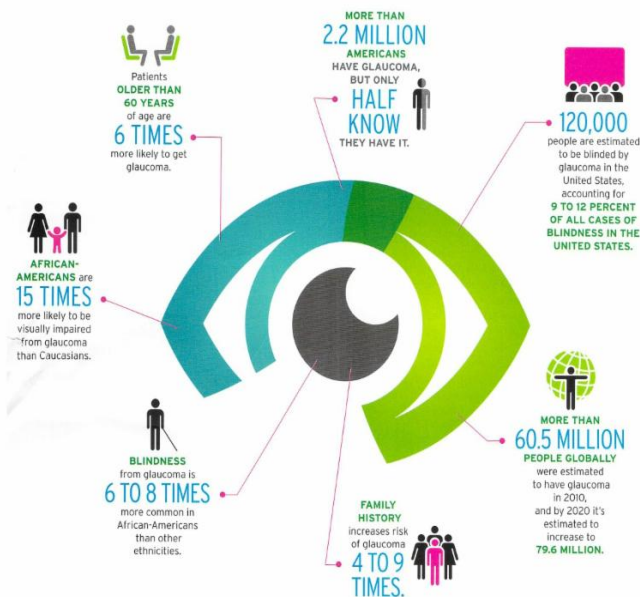
Through these type of research, studies are determined to discover a way to live a longer life through methods of conserving the brain.

## 3. The Hospital Experience



The goal with the modernized room design are to improve the interoperability of the systems in order to eliminate the wasteful redundancy and technological clutter that plague many modern healthcare facilities. [Check out: NXT Patient Room 2020](#)

## 4. Robotic "Flight Simulator" Surgery



## Lower Risk of Developing Cervical Cancer



Cervical cancer is one of the cancers that are almost always preventable as long as you go for regular Pap tests, also known as Pap smears. According to Dr Bonface Musila, a gynecologist, besides identifying cancers, this test also identifies pre-cancers inside the cervix. Pre-cancers refer to any cell changes in the cervix that might later develop into cancerous cells if prompt treatment is not given.

A pap test looks for any abnormal changes in the cells of the cervix, therefore a pap test is like a life saver for women. Identifying early signs and catching cervical cancer early increases the success rate of treatment. In addition, identifying and treating any cell abnormalities in the cervix may greatly help in preventing development of most cervical cancers. [Full story](#)

## Making Life Count



We welcome anyone to join our registry at all stages in life. An individual can register to be a whole-body donor before or after time of passing.

UTN encourages individuals to register prior to passing to provide peace of mind for loved ones and to ensure end-of-life wishes are fulfilled.

Make the pledge today to enhance the lives of tomorrow:

[www.unitedtissue.org/donorpledge](http://www.unitedtissue.org/donorpledge)

## Book Us Today



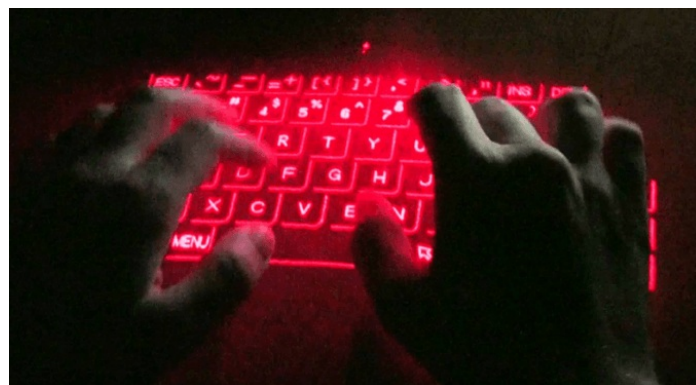
Do you have any upcoming events or meetings where you need a guest speaker? UTN can attend your event for free! Contact our [Communications Department](#) today!

## Trending Topics



Robotic Surgery Simulator is changing the way surgeons hone their craft. Allowing real-world views of actual surgeries can give aspiring, practicing, or professional surgeons the chance to experiment and get it wrong in a simulated environment.

## 5. Holographic Images



A holographic data input like a keyboard or mouse may help reduce the amount of infections people are exposed to.

## 6. Enterprise Cloud Business Intelligence Software



Cloud business intelligent software can be used among providers to share patient history and medical forms. This will alleviate phone calls, faxes and waste of paper.

## 7. A Better Blood-Test Experience

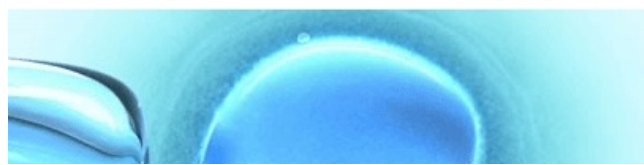
one tiny drop  
changes  
everything.

At Theranos, we're working to shape the future of lab testing. Now, for the first time, our high-complexity CLIA-certified laboratory can perform your tests quickly and accurately on samples as small as a single drop.



Companies have designed a way to run tests with micro-samples of blood, 1/1,000th the size of a typical blood draw. The benefits are a better patient experience, but also a cost reduction in lab fees, which can be substantial.

## 8. Mitochondrial DNA Transfer







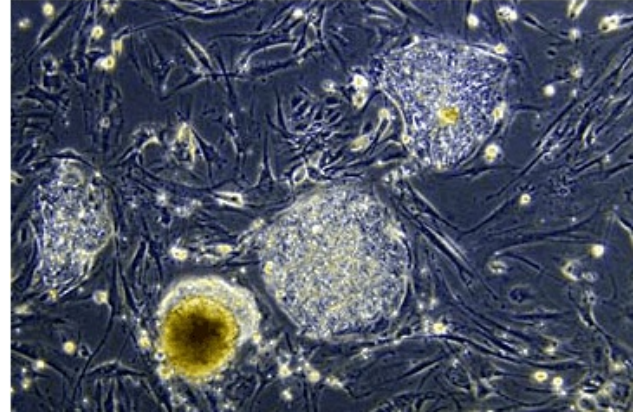
Some puzzling studies appear to show that tiny airborne particles may contribute to obesity, diabetes and heart disease. Should we be concerned?

[Read More](#)



The reduction of gene related diseases may mean longer lifespans, improved health, and even the elimination of certain diseases. This process may also enable couples to conceive children who without it would never have the possibility.

### 9. Stem-cell Reconstructive and Plastic Surgery



Stem-cell enhanced fat cells can be used in so many different environments, and the accepted uses of this technology will only grow as more benefits are uncovered.



A sponge-filled syringe that fills gunshot wounds in as little as 20 seconds could be a promising step toward curbing U.S. gunshot fatalities now that the device, formerly limited to military use, has been approved for use on the general population in America.

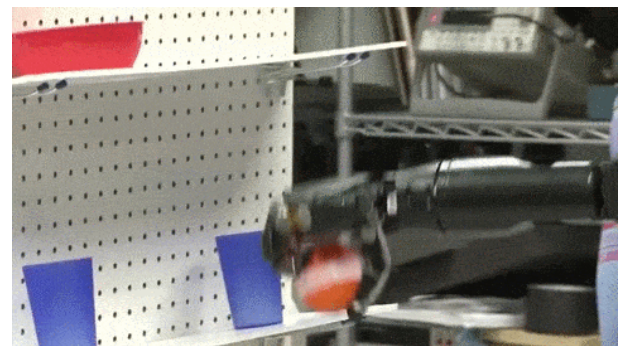
[Read More](#)

### 10. Augmenting Human Capabilities



Vincent the cat is mastering how to use his titanium back legs. The 3-year-old domestic short-haired feline is one of the first animals in the world to be fitted with prosthetic legs, ABC News reports.

[Read More](#)



Researchers were able to develop a technology that would read brain activity and send the signals to sockets that controlled the motor functions of prosthetic limbs.

[List referenced by: Referral MD](#)

## Contact Us

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