



## BUTLLETÍ VIGILÀNCIA TECNOLÒGICA

### Març 2018

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### Notícies d'interès general

#### [mHealth Wearables Are Put to The Test in #SchizophreniaTreatment](#)

mHealthIntelligence

Psychiatrists are taking a closer look at remote patient monitoring technology to help patients diagnosed with schizophrenia. mHealth devices that can measure a patient's moods in real time "represent a valuable method for gathering real-world patient data at multiple viewpoints".

#### [#VirtualReality: An escape from painful and stressful medical treatments](#)

Health Management Technology

Virtual reality (VR) technology allows users to immerse themselves in a three-dimensional computer-generated world, and despite being originally developed as an entertainment tool, over the last two decades VR has found a variety of applications in healthcare.

### Notícies mHealth i Medical Devices

#### [Un dispositivo óptico para ayudar en los tratamientos contra el #Ictus](#)

Noticias madri+d

De esta forma el médico determina de forma inmediata la eficacia de los tratamientos en los momentos más críticos. La personalización del tratamiento basada en la monitorización continua del flujo sanguíneo cerebral se ha propuesto para mejorar el resultado general del tratamiento, pero esta monitorización no está disponible actualmente en los centros hospitalarios y clínicas. Este es el objetivo del nuevo dispositivo.

#### [Mobile application detecting atrial fibrillation reduces the #RiskofStroke](#)

Health Management Technology

A new smartphone application developed at the University of Turku, Finland, can detect atrial fibrillation that causes strokes. Atrial fibrillation can now be detected without any extra equipment. The mobile application can save lives all over the world, as timely diagnosis of atrial fibrillation is crucial for effective stroke prevention. The joint research project of the University of Turku and the Heart Centre of the Turku University Hospital involved 300 heart patients, half of whom had atrial fibrillation.



[#NoninvasiveInjection detection system iSenz completes validation trials, seeks commercialization](#)

MobiHealthNews

Keeping track of insulin dosage and figuring out the right injection angle can be a challenge for people living with diabetes. A new company called nGageIT Digital, has just finished validation trials for its new product, iSenz, a smart noninvasive injection monitoring system that aims to help people correctly angle their injections.

[Study: AI and a smartphone-based device help in identifying #DiabeticRetinopathy](#)

MobiHealthNews

Worldwide there are 422 million people living with diabetes, according to World Health Organization estimates. The condition can lead complications, including diabetic retinopathy, which can result in blindness. However, a recent study suggests artificial intelligence can help identify diabetic retinopathy early.

[3-D-written model to provide better understanding of #CancerSpread](#)

Health Management Technology

Purdue researcher Luis Solorio has helped create a lifelike cancer environment out of polymer to better predict how drugs might stop its course. Previous research has shown that most cancer deaths happen because of how it spreads, or metastasizes, in the body. A major hurdle for treating cancer is not being able to experiment with metastasis itself and knock out what it needs to spread.

[Researchers developed a cuff-free smartphone case to measure #BloodPressure](#)

MobiHealthNews

A team of researchers at Michigan State University have developed a smartphone-based blood pressure monitoring system that could be an alternative to the traditional blood pressure cuffs.

[Precision Health AI launches new platform to synthesize #OncologyData](#)

MobiHealthNews

Artificial intelligence has been working its way into the field of research. Now Precision Health AI, a company that specializes in applications of AI to oncology, has just launched a new platform, called Eureka Health Oncology, that uses EMR data to provide practical AI applications for real oncology use cases.

[EyeQue launches Insight, a home tester for #VisualAcuity](#)

MobiHealthNews

Newark, California-based EyeQue has launched the EyeQue Insight visual acuity screener, a device that lets consumers test their vision at home. The device looks similar to a VR headset. It attaches to a user's smartphone and lets them test their visual acuity as if they were in a much larger room.