



BUTLLETÍ VIGILÀNCIA TECNOLÒGICA

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Notícies d'interès general

[Ejemplo pionero de medicación #Bioelectrónica](#)

Noticias madri+d

Un dispositivo inalámbrico biodegradable e implantable, que acelera la regeneración de los nervios y que mejora la curación de un nervio dañado, es, hasta donde saben sus creadores, el primer ejemplo de medicación bioelectrónica.

[World's first full-body medical scanner generates astonishing #3D Images](#)

Health Management Technology

The imaging device is almost 40 times faster than current PET scans and can capture a 3D picture of the entire human body in one instant scan. Called EXPLORER, the full-body scanner combines positron emission tomography (PET) and X-ray computed tomography (CT).

Notícies mHealth i Medical devices

[#Bioengineered Spinal Discs Could Help Treat Back Pain](#)

IdeaConnection

Bioengineered replacement disks could offer an attractive option for spinal disc replacements. The team created their bioengineered discs, called eDAPS, by combining the stem cells of the lab animal with a hydrogel/polymer matrix placed between a pair of polymer endplates.

[Un nuevo material mejora los #Implantes de cartílago para la rodilla](#)

Noticias madri+d

Un equipo internacional de investigadores ha desarrollado un material polimérico que mejora la calidad y resistencia de los implantes de cartílago articular en operaciones de rodilla. Para la obtención de este material –se trata del primer tejido soldado aplicado al sector– los investigadores han desarrollado una nueva técnica, basada en el uso de tecnología láser.



[Chinese search engine Baidu launches AI-powered #Camera to detect eye fundus](#)

MobiHealthNews

Last week Chinese language search engine Baidu, unveiled a new artificial intelligence-powered tool aimed at detecting ocular fundus, which can lead to blindness. The latest tool, called AI Fundus Camera, will be able to screen for three types of ocular fundus diseases.

[Dementia risk: #Five-minuteScan 'can predict cognitive decline'](#)

BBC News

A five-minute scan could be used to spot people at risk of dementia before symptoms appear, researchers claim.

Scientists used ultrasound scanners to look at blood vessels in the necks of more than 3,000 people and monitored them over the next 15 years.

[#Exoskeleton Aids in Stroke Recovery](#)

IdeaConnection

An exoskeleton that delivers electrical stimulation to the upper limb could help patients recover from a stroke more quickly. The team from the Hong Kong Polytechnic University created the “mobile exo-neuro-musculo-skeleton.” A combination of exoskeleton and soft robot with exo-nerve stimulation, the device weighs only 11 ounces, including the onboard battery that provides enough power for a four-hour session.

[Sepsis: Se triplica la detección precoz con el #Big Data y la Inteligencia Artificial](#)

Noticias madri+d

La utilización de datos masivos o big data y la inteligencia artificial permiten triplicar la detección precoz de los casos de sepsis, una infección del organismo que puede provocar la muerte si no se trata con rapidez.

[Port Delivery System Delivers Medication Via an #Implant](#)

IdeaConnection

The Port Delivery System eye implant from Genentech could help reduce the risks of blindness in older people. The team from Genentech created a tiny, rice-sized device that can be loaded with the medication and then implanted permanently in the eye.

[Tres parapléjicos vuelven a andar con #ImplantesInalámbricos en la médula](#)

Noticias madri+d

Un neurocientífico y una neurocirujana suizos han logrado que personas con las piernas paralizadas desde hace varios años vuelvan a caminar tras introducirles implantes en la médula espinal.

[New epilepsy #WarningDevice could save thousands of lives](#)

Health Management Technology

A new high-tech bracelet developed by scientists from the Netherlands detects 85% of all severe night-time epilepsy seizures.

The researchers involved think that this bracelet, called Nightwatch, can reduce the worldwide number of unexpected night-time fatalities in epilepsy patients. They published the results of a prospective trial in the scientific journal *Neurology*.

