



BUTLLETÍ VIGILÀNCIA TECNOLÒGICA

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Notícies d'interès general

[Shimmer unveils wearable #SensorPlatform for clinical trials](#)

MobiHealthNews

Shimmer, a Dublin-based wearable sensor company, has launched a new sensor platform for clinical trials called VeriSense. It can measure activity and sleep from the wrist, as well as network with sensors elsewhere on the body to monitor musculoskeletal and neurological conditions.

[Spok expands communications platform with #Multidevice workflow support](#)

MobiHealthNews

Spok Go, a multidevice app for care team messaging; Spok Conduct, a cloud-based workflow engine with clinical alerting and alarm management support; and Spok Navigate, a tool for operators that helps guide patients and their caregivers through their encounters with a health system.

Notícies *mHealth* i *Medical devices*

[#WearableRespiration Monitor Made from a Craft Toy](#)

IdeaConnection

A wearable respiration monitor offers a simple and affordable way to measure air intake. Measuring the amount of air inspired by a patient can help monitor conditions like cystic fibrosis and warn of impending asthma attacks.

[Una #App para evaluar el riesgo de lesiones deportivas](#)

Noticias madri+d

Un experto en ciencias del deporte de la Universidad Autónoma de Madrid (UAM) ha desarrollado una aplicación para teléfonos móviles que permite medir de manera sencilla, asequible y precisa la movilidad del tobillo, una importante variable relacionada con las lesiones de miembros inferiores. Tras analizarla en un trabajo que publica Journal of Sports Sciences, los expertos constatan que la aplicación puede ser útil a todo tipo de profesionales clínicos y deportivos.

[Saliva-based #Glucometer, leaked Fitbits for kids](#)

MobiHealthNews

It is a smartphone-connected real-time glucose monitoring test that uses saliva, rather than blood. Glucose levels in bodily fluids like saliva, sweat, and tears can serve as a reasonable proxy for blood glucose, but so far, the many attempts at making an actionable consumer product along those lines have failed.

[#3D-Printed Sugary Stent Holds Arteries for Suturing](#)

IdeaConnection

A 3D-printed sugar-based vascular stent helps hold small arteries together during surgery. One of the challenges of vascular surgery is stitching the ends of the arteries back together—a common process in a wide array of procedures.

[Bone #Implant Fights Infection](#)

IdeaConnection

A newly improved bone implant infused with copper fights infection and promotes bone growth. The implant was created by a team led by the Royal College of Surgeons in Ireland to help treat the bone infection osteomyelitis, which can occur after a broken bone or deep puncture wound and is very difficult to treat.



[Un #Simulador portátil permite al paciente experimentar antes de operarse cómo va a mejorar su visión](#)

Noticias madri+d

Por primera vez, un paciente que esté a punto de ser operado de cataratas podrá experimentar cómo va a mejorar su visión una vez pase por quirófano. SimVis, un simulador visual binocular ligero, autónomo y portable en un casco. Los simuladores visuales son una técnica ideal para proporcionar a los pacientes una experiencia realista de la multifocalidad antes de la implantación de una lente intraocular.

[#Self-Powered Smart Knee Implant Reduces Surgeries](#)

IdeaConnection

A knee implant able to track pressure during daily activities could reduce the need for joint replacement surgeries. To help reduce premature wear on the device, the team from Binghamton created a smart implant equipped with pressure sensors and powered by an embedded triboelectric generator.