HEALTH

NEWS

SPIDIMAN WINS HUMAN TECHNOLOGY INTERFACE AWARD

ON 29 APRIL 2015, JOANNEUM RESEARCH RECEIVED THE RESEARCH AWARD "HTI: HUMAN TECHNOLOGY INTERFACE" FOR SPIDIMAN FROM THE STATE GOVERNMENT OF STYRIA IN GRAZ. SPIDIMAN IS AN FP-7 FUNDED EU PROJECT THAT HAS DEVELOPED A SINGLE-PORT DEVICE FOR DIABETES PATIENTS THAT ALLOWS CONTINUOUS GLUCOSE MONITORING AND INSULIN DELIVERY IN JUST ONE STEP.

30.04.2015

(http://www.joanneum.at/typo3temp/_processed_/csm_WiP-0272_03_0394a41b9b.jpg)

Member of the styrian government Mag. Christopher Drexler, awardee DI Dr. Martin Hajnsek and Univ.-Prof. Dr. Wolfgang Pribyl (CEO JOANNEUM RESEARCH) at the award ceremony © Werner Krug

The research team led by DI Dr. Martin Hajnsek of Health, the Institute of Biomedicine and Health Sciences at JOANNEUM RESEARCH, received the Research Award "HTI: Human-Technology Interface" of Styria in category 2 "Economic applications" for research in the EU project "SPIDIMAN" which is running for four years since 2012. "I would like to especially thank the interdisciplinary team of engineers, doctors and nurses and all international partners," said Hajnsek.

The award was presented by the Styrian Science and Research Councilor Mag. Christopher Drexler. "We want to make Styria fit for decades to come - that's the motivation behind this award," said Drexler. Univ.-Prof. Dr. Wolfgang Pribyl the CEO of JOANNEUM said: "I am very pleased that a project done by our company has received this award."

Diabetes is one of the world's most common chronic diseases. The International Diabetes Federation (IDF) predicts that worldwide the number of people with diabetes will increase from currently 387 million to around 592 million by 2035. Everyday life is difficult for diabetes patients. Currently available therapeutic devices are bulky and big and are sometimes impaired by problems such as inaccurate measurements. Especially children and youths are affected by the complicated handling of glucometers. Inaccurate measurement of glucose levels in diabetes patients can lead to hypo- or hyperglycaemia and subsequently to life-threatening complications. SPIDIMAN aims to enable continuous glucose monitoring and insulin delivery via an integrated catheter.

Initial studies have shown that glucose monitoring and insulin delivery can be done at the same location in subcutaneous tissue (lower layer of skin) without affecting each other. Thus, it is possible to combine insulin delivery and glucose measurement in one insulin catheter and to realize continuous glucose control without any additional burden to patients wearing an insulin pump. This represents a significant improvement over currently possible treatment options for patients with type 1 diabetes.

More information on the project: www.spidiman.eu (http://www.spidiman.eu)

In Verbindung stehende Artikel:

SPIDIMAN gewinnt HTI (http://www.joanneum.at/de/health/aktuelles/news/news-detail/archive/2015/april/article/spidiman-gewinnt-hti.html?tx_ttnews%5Bday%5D=30&cHash=bb04c1d74e97b325a209f63a4e778330) - 30.04.2015 09:25

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Twittern

Nach oben (http://www.joanneum.at/health/aktuelles/news/news-detail/archive/2015/april/article/spidiman-wins-human-technology-interface-award.html?tx_ttnews%5Bday%5D=30&cHash=0968fcf120ab46e69b5910bb710ff187#topsite)

THE INNOVATION COMPANY

Die JOANNEUM RESEARCH Forschungsgesellschaft mbH entwickelt Lösungen und Technologien für Wirtschaft und Industrie in einem breiten Branchenspektrum und betreibt Spitzenforschung auf internationalem Niveau. Mit dem Fokus auf angewandte Forschung und Technologieentwicklung nimmt sie als INNOVATION COMPANY eine Schlüsselfunktion im Technologie- und Wissenstransfer in Süd-Ost-Österreich ein.

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