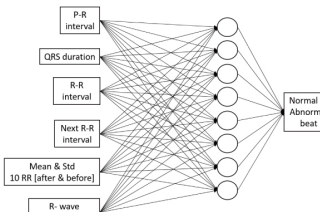



Kinpo Electronics, Inc. Published “Arrhythmia Evaluation in Wearable ECG Devices” in the Journal of Sensors.

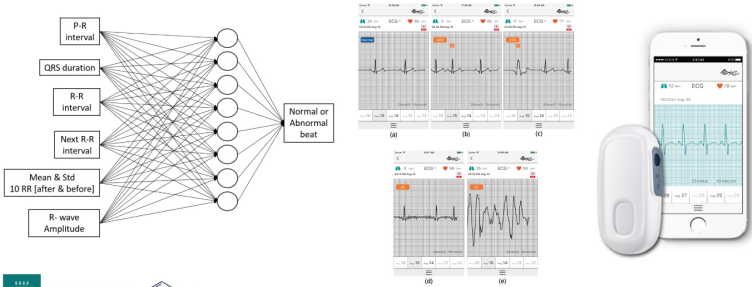
TAIPEI, TAIWAN, November 7, 2017 /EINPresswire.com/ -- XYZlife, the brand under Kinpo Electronics Inc., published a journal paper, “[Arrhythmia Evaluation in Wearable ECG Devices](#)”, in Sensors on 25 October 2017. The study evaluates four databases from PhysioNet and applies the ANSI/AAMI EC57:2012 to evaluate the algorithms for the detection of supraventricular ectopic beat (SVEB, known as APC), ventricular ectopic beat (VEB, Known as VPC), atrial fibrillation (AF), and ventricular fibrillation (VF) via the evaluation of the sensitivity, positive predictive value and false positive rate. The achieved results show that the proposed integrated SVEB, VEB, AF, and VF detection algorithm can achieve good accuracy of greater than 80% in comparison with other previous studies. The optimized algorithm can reduce the need of the computing loading of the Microprocessor Control Unit (MCU) and make it possible to evaluate arrhythmia only via tiny wearable electrocardiogram (ECG) monitoring device.


Most of the single lead ECG monitors nowadays can only collect ECG data for patients without providing the diagnosis functions. The difference of [XYZlife Patch BC1](#) is the improvement of arrhythmia evaluation algorithm; it can detect SVEB, VEB, AF and VF. It is useful for patients to immediately know the result after recording the ECG waves. Through monitoring by XYZlife Patch BC1, doctors can quickly review abnormal ECG records and diagnose those symptoms fast. Furthermore, long-term monitoring will be helpful for doctors to easily find out unusual occurred frequencies. The next step for XYZlife to further expand the benefit of XYZlife Patch BC1, is to detect and diagnose the potential symptoms on mobile APP. In the


Arrhythmia Evaluation in Wearable ECG Devices














XYZlife Patch BC1



NEW TECH | NEW CARE



XYZlife Patch BC1
The Innovative Wearable ECG Patch with Diagnosis



Booth No. **Hall 17, D82b**

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In the

future, XYZlife will make real-time calculation directly on the device possible.

XYZlife, a leading brand of the digital health care, focus on the total solution and advancement of cardiac care, is always dedicating to develop plenty of electrocardiogram (ECG) based products to improve the human well-being. Would like to learn more about whole new medical product line from XYZlife, please visit us at the [booth D82B, Hall 17](#), MEDICA in Düsseldorf, Germany on November 13 to 16, 2017.

About XYZlife

XYZlife is the brand under Kinpo Electronics Inc., which is dedicated to develop total solution of healthcare, medical products and services since 2013. Services and products are inspired to fit the future medical system and demands of the digital health age. We are devoted to healthy living by providing around-the-clock healthcare solutions with applications designed to reduce the burden of the personal and public healthcare systems. For more information, please visit www.xyz-life.com

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