Advancement in treating Cardiac Diseases using Cardiac Device

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Abstract: From the origin of ancient *Vedas* or *Shastras*; there was an awareness of artificial intelligence but in different meanings. In present scenario, one has to perform a lot of research for the production of works relating with artificial intelligence. Basically, artificial intelligence is a huge group of skills from advanced machines used for finding the solutions of different fields i.e. in pharma fields or non-pharma fields. The problem of heart failure or heart attack is very big health issue which is assisted with more than 23 million peoples worldwide. Heart failure can be held due to the vasoconstriction or improper pumping mechanism of ventricles. Heart failure heart logic device is a new tsunami in the healthcare system for cardiac devices. This device is in two different forms which are as (ICD) implantable cardioverter defibrillator and other oneiscardiac resynchronization therapy defibrillator (CRT-D). Heart logic heart failure diagnostic device contains multiple sensors to track physiological functioning of the heart. There are Heart sound sensors which checks signs of elevated filling pressure and weakened ventricular contraction. There are also a sensor for checking pulmonary edema. Respiration sensor is used to monitor the rapid shallow breathing system which is associated with shortness of breath. Heart rate sensors check the heart rate and arrhythmia conditions. This device can predict heart failure events weeks before they happen. This artificial intelligence assisted device is showing the sensitivity in more than 70% of peoples to save the valuable lives of the human beings.
Keywords: artificial intelligence, heart failure, diagnostics devices, ventricular contraction.

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