

# **MRI CAN SAVE YOUNG PEOPLE FROM DEATH**

In 2012, a 23 years old famous footballer name **Fabrice Muamba** almost died because of a heart condition.

Recent research shows that through MRI, doctors can check people with hypertrophic cardiomyopathy. You never know that warning signs of a heart condition can be deadly but now it can be diagnosed.

The funny part is that people actually didn't notice this disease until their death (caused by hypertrophic cardiomyopathy).

The reason why it couldn't be diagnosed earlier because it requires extreme close examination of heart fibers. It could only be examined when a patient was dead but not anymore.

Thanks to the researchers at Oxford University, they figured it out that MRI helps in spotting "disarray" in muscle fibers in the heart. This could be a tell-tale sign of hypertrophic cardiomyopathy condition.

'This is the first time that we've been able to assess disarray non-invasively in living patients with hypertrophic cardiomyopathy,' said Dr. Rina Ariga, who is an NHS cardiologist as well as a lead author of the research.

'We're hopeful that this new scan will improve the way we identify high-risk patients so that they can receive an implantable cardioverter defibrillator early to prevent sudden death.'

If the scan shows tell-tale disarray in someone's heart muscle fibers then it will be easy to save that person. Doctors can put in a defibrillator which can save someone from cardiac arrest.

There is a probability that patients might live full, long lives without having knowledge that they have this condition.

Muamba collapsed during the game of FA Cup quarter-final match against Tottenham Hotspur. The reason was that he was in the condition for 41 minutes.

The medics came on time and instantly gave him CPR. Muamba needed 15 defibrillator shocks. Two of them were given on the pitch. It was a miracle that he came back from the dead after 78 minutes.

Muamba said, "The last thing I remember was [a defender] screaming at me to get back and help out in defense.

'I just felt myself falling then I felt two thumps as my head hit the ground in front of me then that was it. Blackness, nothing. I was dead.'

## **Conclusion**

In every week, almost 12 people (age below 35) die because of sudden cardiac arrest in the UK. The researchers of Oxford University found a way to diagnose the disease through MRI.

MRI sends magnetic resonance and creates a rough image of heart fibers. Through those images, doctors have high chance to easily detect the disease and take measurements before something goes wrong.