

A case of Myocardial Infarction of a young life saved with CPR, emergency Angioplasty and multiple drug treatment



#Building Healthy Hearts 

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CASE SCENARIO

A 30 years young Male patient admitted with history of COVID-19 a month back was admitted to VishwaRaj with Acute MI. He was travelling from Mumbai to Umarga when he had sudden chest pain and vomiting on 13/06/2021 at 3:30am. He approached the ER department at 4am. ECG showed Acute Anterior wall MI. He collapsed in our casualty.

Patient Management through Angioplasty -

Had was given shock at least 8-10 times and cardiac massage for almost 1 Hour. Patient was intubated and put on multiple drugs to increase BP and was taken for emergency primary angioplasty. He underwent angioplasty with one stent and subsequently patient stabilized with aggressive intensive care and patient management.

After 5 days of ventilation and support treatment patient regained complete consciousness, was removed from ventilator support and discharged. Patient had no neurological deficit.



About Dr Abhay Somani

Dr. Abhay Somani is a Cardiologist, Interventional Cardiologist and Pediatric Cardiologist in VishwaRaj Hospital Pune and has an experience of 17 years in these fields. Over the last 17 years, he has developed extensive experience in adult Interventional Cardiology, including Cardiac Catheterization and Angiography. He is a fellow of American College of Cardiology, Pune. He is actively involved in various academic and research programs and has given talks on diverse cardiac topics.



Dr. Abhay Somani

Chief interventional Cardiologist at Vishwaraj Hospital says this case highlights the importance of Covid and its Vascular complications. He was one odd patient to survive 10 shocks and 1 CPR without any residual neurological damage.



Dr. Vikram Aggarwal

We at Vishwaraj Hospital are geared up to treat any kind of emergencies 24X7 with our team of casualty Doctors, intensive care and cardiologists.



Dr. Sushant Shinde

It is the strength of ER team ,doctors, nurses and other staff who always give 100% best efforts in emergency management of such critical patients. Proud of all ER team. Kudos.....



Dr. Vijay Khandale

This patient has multiple organ failure after prolong cardiac arrest (about 30 minutes), He responded well to Advanced treatment Approach in VRH ICU of Therapeutic Hypothermia, Hemodynamic Monitoring and resuscitation. He is one of the rare cases we encounter in Covid Critical care where Patient walks home after multiple organ failure syndrome.

Diagnosis & Treatment

Following tests may be required for evaluation of heart disease -

- Blood tests e.g CBC, TropT, Trop1
- Electrocardiogram (ECG)
- TMT test (Tread Mill Test) - It measures the heart's ability to respond to exercise.
- Coronary Angiography (CAG) - It is a procedure through which cardiologist visualizes how the blood flows in the artery in your heart.
- 2D Echo - It is a non-invasive investigation used to evaluate the functioning through ultrasound.

Actions needed (as per requirement) -

- Angioplasty - Angioplasty is a procedure to restore the blood flow through the blocked or narrowed artery in the heart. During angioplasty, cardiologist inserts a balloon and a stent (metal tube) to open the artery.
- Bypass Surgery (CABG) - Heart bypass surgery, or coronary artery bypass graft (CABG) surgery, is used to improve blood flow to your heart. A surgeon uses healthy blood vessels taken from another area of your body to bypass the blocked or partially blocked artery in your heart.



Cardiac care at VishwaRaj

At VishwaRaj Hospital, the infrastructure of the Cardiology Department is made with just one aim: "Providing Quality Heart Care". Our cardiology department is well equipped with state-of-the-art Pathology lab, Radiology, 2D Echo, TMT, Holter monitoring, and Digital Cathlab. We understand the value of each second and which is why our expert cardiologists and staff members are actively present 24X7 to provide the right treatment at the right time.

Cardiologists at VishwaRaj

-  Dr. Sachin Lakade
-  Dr. Krishna Dhoot
-  Dr. Abhay Somani
-  Dr. Ajit Mehta
-  Dr. Prasad Shah
-  Dr. Akash Motgi
-  Dr. Bhushan Bari

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