

# Angical-50

# THE CVS MIRACLES

## Human Heart Replaced By Pump, the Medical Miracle with No Pulse

On the exterior, he is living a normal healthy life; but patient Craig Lewis doesn't have a heartbeat. To all intents and purposes he is, by all medical standards, dead. The 10,000rpm artificial turbine in his chest contradicts this though. Invented by Doctors Bud Frazier and Billy Cohn of the Texas Heart Institute, the device

can completely replace the heart's duty to provide a continuous blood flow around the body, but without making a pulse. Hence, this was a successful operation to reveal the fact that the human pulse need not be replicated to continue life...

Ref: <http://newrisingmedia.com/all/2012/3/5/human-heart-replaced-by-pump-the-medical-miracle-with-no-pul.html>



## Survived without Heart for 118 Days

Fourteen-year-old D'Zhana Simmons needed a new heart, but the wait was longer than her current heart could bear. Doctors, including Dr. Si Pham, removed her heart and kept her alive for four months with two heart transplants that involved heart pumps. During that time, D'Zhana said she felt like a "fake person," but is grateful for her new heart and for the ability to keep her alive during the waiting process.

Ref: <http://www.reuters.com/article/2008/11/19/usa-transplant-idUSN1934681720081119>



## Cardiac arrest on the football pitch & Miracle Recovery

Fabrice Muamba is a footballer who plays for Bolton Wanderers as a midfielder in the English Premier League. On 17 March 2012, Muamba suffered a cardiac arrest and collapsed on the pitch during the first half of an FA Cup quarter-final match between Bolton and Tottenham Hotspur at White Hart Lane. Muamba was taken to the specialist coronary care unit at the London Chest Hospital. Bolton's club doctor later confirmed that Muamba had received numerous defibrillator shocks both on the pitch and in the ambulance, but his heart had stopped for 78 minutes. The player was initially kept under anaesthetic in intensive care. By 19 March, his heart was beating without medication and he was able to

move his limbs, and later that day he was able to recognise family members and respond appropriately to questions. By 21 March, his consultant suggested that Muamba's progress had "exceeded our expectations".

Ref: <http://www.christiantoday.com/article/fabrice.muamba.thanks.god.after.miracle.recovery/29738.htm>



Mr Incredible: Muamba attended Bolton's home match on 2 May after a miracle recovery, where he expressed his gratitude for the support he had received

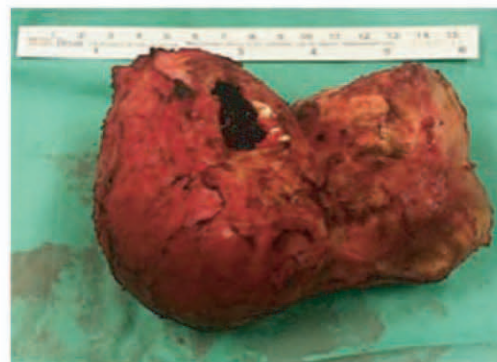
## A medical miracle at the Wolfson Hospital, the Tumor Removed from Elisa's Chest

Doctors were able to save the life of a 14 year old girl from Angola after they took out from her chest a 14 cm Tumor that pressed her heart and threatened her life. The tumor weighs half a kilo and it pushed her heart to the side, under her arm. Only a few similar cases are known in the whole world.

Elisa Manuel Antonio was first diagnosed during the Save a Child's Heart (SACH) medical mission in

Angola last October. Elisa was examined by Senior Cardiologist Dr. Alona Raucher, who saw such a huge tumor for the first time in her career. Finally it was separated through a successful operation.

Ref: <http://www.thejerusalemgiftshop.com/israelnews/technology/science-and-medicine/1670-a-medical-miracle-at-the-wolfson-hospital-by-save-a-childs-heart.html>



## Woman suffered an Actual broken heart in 90mph horror car smash... and survived to tell the tale



Zara Roberts



A nail in the back tyre of Miss Roberts' Metro sent her flying into the path of a people carrier

When Zara Roberts suffered terrible heart injuries in a car crash, doctors said she would not survive. But six years on, the teacher has made an astonishing recovery thanks to a consultant who refused to give in. Miss Roberts, 24, was in a collision after a nail in the back tyre of her Rover Metro sent her car flying into the path of a people carrier in North Wales, in April 2004. Their combined speed was 90mph. The crash tore open her aorta - the body's most important artery, which carries blood from the heart - leaving blood pumping into her chest. She also suffered a punctured lung and bleeding on the brain. Most

people who suffer similar injuries die almost instantly from internal haemorrhaging. But Miss Roberts clung on.

Ref: <http://www.dailymail.co.uk/news/article-1278016/The-medical-miracle-survived-ACTUAL-broken-heart-90mph-horror-crash.html>



### Angical-50 NICE TO KNOW



Q1. What is bi-layer tablet?

Ans. The tablet which has two layers is generally known as bi-layer tablet. The fixed dose combinations should be in bi-layer tablet form.

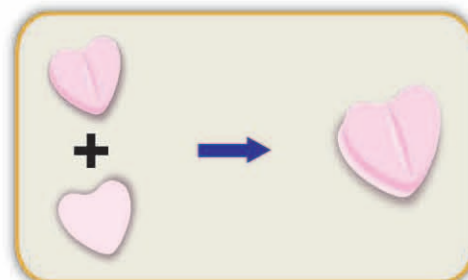


Fig : Bi-layer tableting of Angical-50

Q2. What are the advantages of bi-layer tablets over conventionally formulated tablets?

Ans. Bi-layer tablets  
 1. Ensure better release of each ingredient  
 2. Maintain physical & chemical stability  
 3. Retain potency & dose accuracy

# Angical-50

Amlodipine 5 mg + Atenolol 50 mg film coated bi-layer Tablet

**Most widely used combination antihypertensive**

in **bi-layer** tablet form

