

1. What is CHEST PAIN ?

Chest pain is also called as Angina (Angina Pectoris).

chest pain or discomfort occurs when part of your heart muscle does not get enough oxygen rich blood and nutrients.

2. What are the causes of CHEST PAIN?

It is a common symptom of CAD (Coronary Artery Disease) which develops when the arteries of the heart gets narrowed or become partially or totally occluded

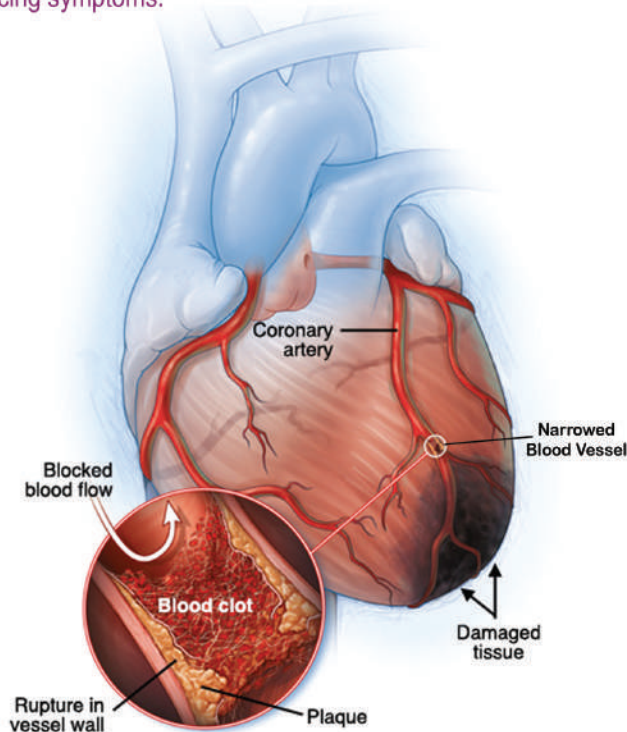
3. What is ECP Therapy?

External Counter Pulsation Therapy is a safe and effective alternative to surgery (non – invasive) when treating angina (chest pain) in people with coronary Artery Disease (CAD) and Refractory Angina

It is approved by USFDA (United States Food And Drug Administration), IMA (Indian Medical Association) and Tamilnadu Government Insurance Scheme for chronic stable angina.

It triggers and accelerates the collateral circulation which is attenuated by atherosclerotic plaques and makes the blood flow permanent.

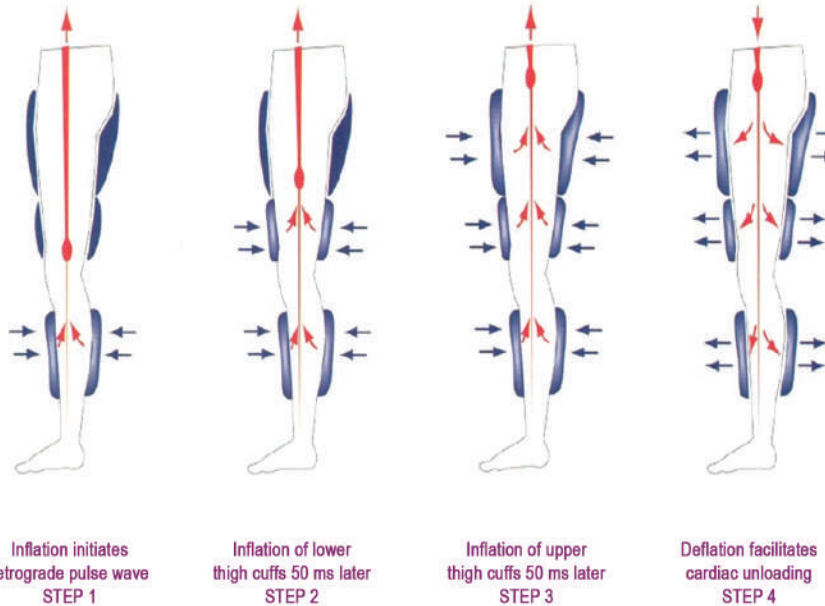
It treats long term chest pain or pressure (Chronic stable angina) that doesn't respond to other treatments. This type of therapy can reduce your need for medication and increase your ability to be active without experiencing symptoms.



4. How does ECP therapy work?

ECP treatment applies pressure to blood vessels in your lower limbs. The pressure increases blood flow back to your heart, so your heart works better.

When your heart pumps better, symptoms ease. This type of therapy also opens up new blood vessels for blood to flow to your heart. These pathways eventually become "NATURAL BYPASS" vessels that help relieve symptoms of angina where coronary arteries are narrowed or blocked.



5. What happens during ECP therapy?

During ECP therapy, you relax or nap on a padded table while air fills the cuffs around your lower limbs.

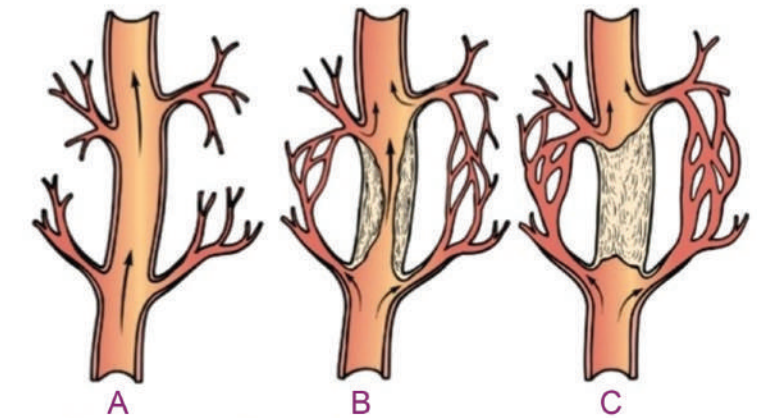
You'll feel the cuffs grow tighter around your legs and bottom until they reach full treatment pressure. ECG and blood pressure monitors synchronize inflation and deflation with every heartbeat. The cuffs inflate as soon as your heart rests, increasing blood supply to the arteries that deliver blood to your heart by increasing the elasticity of the blood vessels and reperfusion occurs. Then they quickly deflate to make it easier for your heart to pump again.

Once you get used to the pumping action, therapy should be COMFORTABLE. It shouldn't cause pain or discomfort. you can return to your regular daily routine after treatment.

6. How long does ECP therapy last ?

1. ECP therapy is an outpatient treatment.
2. You usually have it for a total of 35 hours as 1 hour a day, for 6 days a week for 6 weeks. It is usually 1 hour session a day.

Occlusion/Collateral Circulation



Vessel Occlusion with Collateral Circulation

- A. Open, functioning coronary artery
- B. Partial coronary artery closure with collateral circulation being established
- C. Total coronary artery occlusion with collateral circulation bypassing the occlusion to supply the myocardium

7. What are the benefits of ECP treatment?

It is a non surgical heart treatment. You can resume your normal daily activities after the treatment every day.

This treatment is the only solution to those suffering from heart failure.

This treatment is free of any side effects

PATIENT NEED NOT STAY IN THE HOSPITAL

8. How can we know that the health has improved after ECP treatment?

- ◆ Patients able to walk longer distance, lift heavier objects or climb stairs without chest pain than before
- ◆ The need for medication for chest pain may decrease.
- ◆ "EVENTUALLY YOU ARE CHEST PAIN FREE that you can carry out your daily activities EFFORTLESSLY and feel REJUVENATED"