

ECP and EECP Clinical Trials

ECP and EECP Clinical Trials have been performed & published nearly 200 times demonstrating ECP and EECP Therapy to be an effective treatment for patients that suffer from symptoms of [Coronary Artery Disease \(CAD\)](#). External Counterpulsation Therapy is an incredibly effective treatment continuing gaining popularity among patients and medical providers in the U.S. With the new cost-conscious landscape of the healthcare industry, more and more physicians are re-considering External Counterpulsation Therapy as a viable treatment option for their practice because of the great [clinical](#) and [financial](#) benefits.

Mechanical Function of ECP & EECP Therapy



- Increases venous return
- Increases preload (stretch of heart when filling)
- Increases cardiac output of the heart
- Promotes retrograde arterial blood flow
- Increases diastolic pressure by increasing intra-coronary perfusion
- Increases vascular recoil
- Enhances systolic unloading (decreasing afterload)
- Decreases overall systemic vascular resistance
- Decreases myocardial oxygen consumption

Clinical Benefits Proven in ECP and EECP Clinical Trials:

- Sustainable Increase in blood flow to the heart (coronary perfusion)
- The shear stress by retrograde arterial flow improves endothelial function
- Peripheral training benefits (similar to exercise)
- Cardiac Remodeling effects from rehabilitating stunned & hibernated myocardium (muscle tissue)
- Promotes the development of [Collateralization](#)
- Improves oxygen consumption (VO_2) resulting in increased exercise tolerance
- Regression of atherosclerosis
- Improves ventricular function
- Increases Cardiac Output
- Decreases workload of the heart
- Release in growth factors stimulating growth of new vessels
- Increases Coronary Pressure
- Increases levels of nitric oxide and ANP
- Decreases levels of Endothelium and BNP
- Acute Improvement in Peripheral Endothelial function (increase in RH-PAT index)
- Increases time to the onset of ischemia

- Decreases frequency & severity of Angina episodes
- Long Term reduction in [Angina](#) & [Heart Failure](#) Classifications
- Decreases or eliminates necessity for medication (including Nitroglycerin & Ranexa)

EECP Therapy and ECP Therapy Clinical Trials Abstract Library



- [All Clinical Studies](#)
- [Angina Clinical Studies](#)
- [Congestive Heart Failure Trials](#)
- [Ischemic Heart Failure](#)
- [ECP & Diabetes](#)
- [General Clinical Studies](#)
- [Cerebral Ischemia & Stroke](#)
- [Erectile Dysfunction](#)