

Review of: "Efficacy and Safety of External Extracorporeal Counterpulsation in Heart Failure with Preserved Ejection Fraction"

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Potential competing interests: No potential competing interests to declare.

This paper is a review study exploring the therapeutic effects of EECP in heart failure with preserved ejection fraction (HFpEF). It details the mechanisms of action of EECP based on various studies and focuses on its impact on exercise capacity, symptom relief, and various cardiovascular parameters. According to the research, EECP has multifaceted effects, including the improvement of endothelial function, reduction of oxidative stress, and promotion of angiogenesis, suggesting its potential as a treatment for HFpEF.

However, the current state of the manuscript is not acceptable, and substantial revisions are necessary.

1. The reviewed studies primarily focus on the pathophysiology of the EECP mechanism rather than its clinical utility for HFpEF. As a review article, it is necessary to cite outcomes from past studies on EECP in cases that align with HFpEF.
2. It would be beneficial to create a figure illustrating the benefits of EECP for HFpEF. Additionally, it would be preferable to create a clear diagram explaining how EECP benefits HFpEF through its mechanisms of action. Please consider including a figure that highlights the effects of EECP on heart failure and its potential efficacy in treating HFpEF.