

# Clinical trials of percutaneous left ventricular assist devices for acute myocardial infarction in cardiogenic shock

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## 1 percutaneous left ventricular assist devices

Trial	Treatments	Patients	Trials design and methods
<b>error vs error</b>			
<b>RECOVER 2 , 2009</b> <i>ongoing</i> [NCT00972270] n=NA follow-up:	-	-	
<b>Impella LP2.5 vs intra-aortic balloon pump</b>			
<b>Seyfarth , 2008</b> n=13/13 follow-up:	Impella LP2.5 versus intra-aortic balloon pump	patients with cardiogenic shock	open
<b>TandemHeart vs intra-aortic balloon pump</b>			
<b>Thiele , 2005</b> n=21/20 follow-up:	TandemHeart versus intra-aortic balloon pump	patients in cardiogenic shock following acute myocardial infarction	open
<b>Burkhoff , 2006</b> n=19/14 follow-up:	TandemHeart versus intra-aortic balloon pump	patients within 24 hours of developing cardiogenic shock	open

## References

### RECOVER 2, 2009:

Slaughter MS, Rogers JG, Milano CA, Russell SD, Conte JV, Feldman D, Sun B, Tatooles AJ, Delgado RM 3rd, Long JW, Wozniak TC, Ghumman W, Farrar DJ, Frazier OH Advanced heart failure treated with continuous-flow left ventricular assist device. *N Engl J Med* 2009 Dec 3;361:2241-51 [[19920051](#)]

### Seyfarth, 2008:

Seyfarth M, Sibbing D, Bauer I, Frhlich G, Bott-Flgel L, Byrne R, Dirschinger J, Kastrati A, Schmig A A randomized clinical trial to evaluate the safety and efficacy of a percutaneous left ventricular assist device versus intra-aortic balloon pumping for treatment of cardiogenic shock caused by myocardial infarction. *J Am Coll Cardiol* 2008;52:1584-8 [[19007597](#)] [10.1016/j.jacc.2008.05.065](#)

### Thiele, 2005:

Thiele H, Sick P, Boudriot E, Diederich KW, Hambrecht R, Niebauer J, Schuler G Randomized comparison of intra-aortic balloon support with a percutaneous left ventricular assist device in patients with revascularized acute myocardial infarction complicated by cardiogenic shock. *Eur Heart J* 2005;26:1276-83 [[15734771](#)] [10.1093/eurheartj/ehi161](#)

### Burkhoff, 2006:

Burkhoff D, Cohen H, Brunckhorst C, O'Neill WW A randomized multicenter clinical study to evaluate the safety and efficacy of the TandemHeart percutaneous ventricular assist device versus conventional therapy with intraaortic balloon pumping for treatment of cardiogenic shock. *Am Heart J* 2006;152:469 [[16923414](#)] [10.1016/j.ahj.2006.05.031](#)

## 2 About TrialResults-center.org

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases.

The TrialResults-center database provides a unique view of the treatment efficacy based on all data provided directly from clinical trial results, offering a valuable alternative to personal bibliographic search, published meta-analysis, etc. Furthermore, it would allow comparing easily the various concurrent therapeutic for the same clinical condition.

Rigorous meta-analysis method is used to populate TrialResults-center: widespread search of published and non published trials, study selection using pre-specified criteria, data extraction using standard form.

TrialResults-center is continually updated on a weekly basis. We continually search all new results (whatever their publication channel) and these news results are immediately added to the database with a maximum of 1 week.

TrialResults-center is non-profit and self-funded.