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1) General introduction and outline of the thesis 

2) Stroke work or systolic \( \frac{dP}{dt_{\text{max}}} \) to evaluate acute response to cardiac resynchronization therapy: are they interchangeable? *European Journal of Heart Failure* 2009;11:706-8


4) Effects of QRS duration and pacing location on pressure-volume loop evaluation of cardiac resynchronization therapy in end-stage heart failure *American Journal of Cardiology* 2011;108:1581-8

5) Baseline end-systolic elastance is associated with response to cardiac resynchronization therapy *Submitted*

6) Scar tissue guided left ventricular lead placement for cardiac resynchronization therapy in patients with ischemic cardiomyopathy: an acute pressure-volume loop study *American Heart Journal* 2014;167:537-45

7) Bifocal left ventricular stimulation or targeted lead placement for optimal acute pump function improvement during cardiac resynchronization therapy? *Provisionally accepted for publication in Europace*

8) Loss of opposite left ventricular basal and apical rotation predicts acute response to cardiac resynchronization therapy and is associated with long-term reversed remodeling *Journal of Cardiac Failure* 2009;15:717-25

9) Prediction of response to cardiac resynchronization therapy by the misbalance in regional left ventricular myocardial work *Submitted*

10) General discussion

Summary

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Curriculum vitae and list of publications