

BIOPACE: Biventricular pacing for atrio-ventricular Block to Prevent Cardiac Desynchronization



Background: Although it is common to treat atrio-ventricular block (AVB) with permanent right ventricular (RV) pacing, left ventricular (LV) function may be negatively impacted in the long-term.

Purpose: Superiority of biventricular (BiV) vs. RV pacing when a permanent pacemaker is needed for AVB

Trial Design: Randomized, parallel assignment, single blind study. N=1810; Randomized to BiV vs. RV pacing. 5.6 years median f/u

Primary Endpoint: composite of time to death or first HF hospitalization

Trial Results	BiV vs. RV pacing
Primary Endpoint	P= 0.08
LVEF ≤ 50%	P=0.47
LVEF > 50%	P=0.21

Conclusions: Outcomes with BiV vs. RV pacing were not improved in AVB patients.

