SUPPLEMENTAL MATERIAL
Supplemental Figure Legend

**Supplemental Figure 1.** A) Wide QRS with complete conduction block proximal to the left bundle at the level of the left His fibers corrected with nonselective His bundle pacing. B) Inability to correct wide QRS with His pacing with no narrowing of QRS of 190 ms.

**Supplemental Figure 2.** QRS and LVEF at Baseline and follow-up by per protocol assignment. Pre and post QRS widths by individual patient in patients on per-protocol assignment with biventricular pacing (BiV) and His bundle pacing for CRT (His-CRT) shown in the top panel. Change in LVEF before and after pacing is shown in lower panel.

**Supplemental Figure 3.** Per-Protocol analysis of change in QRS width before and after pacing with BiV-CRT versus His-CRT, rate of echocardiographic response, and median change in LVEF before and after therapy.

**Supplemental Figure 4.** Comparative improvements in LVEF across major CRT trials compared to LVEF change observed in His-SYNC. Name and year of study along with time to echocardiographic follow-up.
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