Supplementary Table 1. Intra-observer and inter-observer reproducibility for left atrial strain parameters (n=20)

Parameter	Intra-observer ICC	Inter-observer ICC	Bland-Altman mean difference (95% LOA)
LASr (%)	0.94	0.91	-0.3% (-2.1 to 1.5)
LAScd (%)	0.92	0.89	0.2% (-1.8 to 2.2)

LASr: Left atrial reservoir strain, LAScd: Left atrial conduit strain, ICC: Intraclass correlation coefficient (two-way random effects model, absolute agreement), LOA: Limits of agreement. Intra-observer and inter-observer variability were assessed in a randomly selected subset of 20 patients (10 HFrEF, 10 HFpEF). For intra-observer variability, the same echocardiographer repeated the LA strain analysis one month after the initial assessment, blinded to the previous results. For inter-observer variability, a second independent echocardiographer, blinded to the first observer's measurements and all clinical information, performed the analysis. All observers were blinded to group allocation. ICC values were interpreted as <0.50 poor, 0.50-0.75 moderate, 0.75-0.90 good, and >0.90 excellent reliability (Koo and Li[17]). Contractile strain is not shown because it cannot be measured in patients with atrial fibrillation