

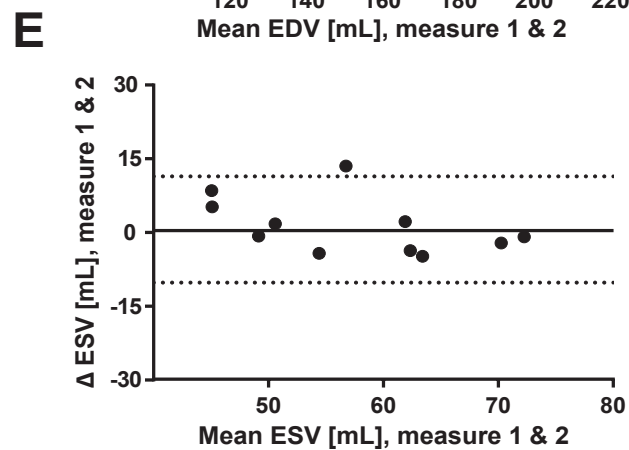
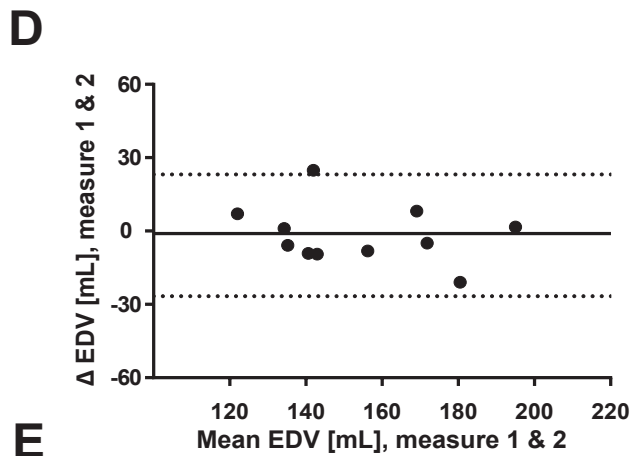
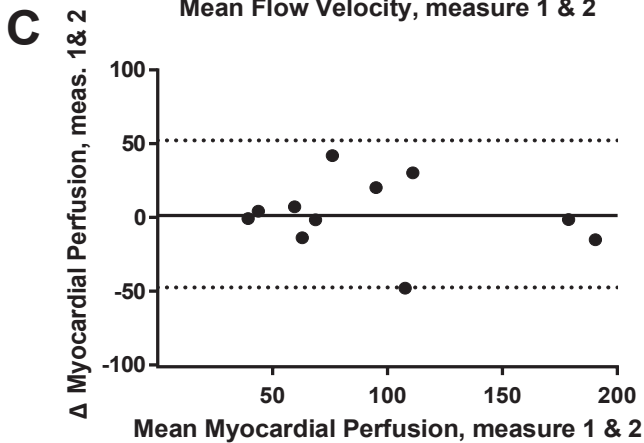
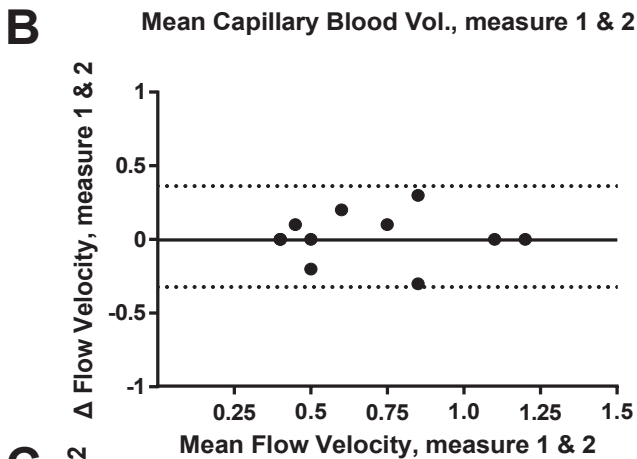
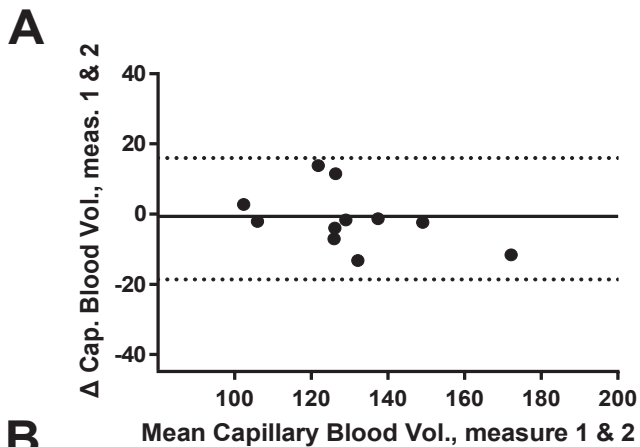
SUPPLEMENTAL MATERIAL

Supplemental Table. Myocardial responses to low-dose (5 µg/kg/min) intravenous dobutamine.

	Baseline	Dobutamine
Myocardial contrast echocardiography		
Myocardial A, a.u.	131 ± 7	124 ± 6
Myocardial β, s ⁻¹	0.7 ± 0.1	1.2 ± 0.1*
Myocardial perfusion (A·β), a.u.·s ⁻¹	95 ± 16	145 ± 19*
Myocardial conductance, a.u.·mmHg ⁻¹	1.3 ± 0.2	1.6 ± 0.2*
Hemodynamics		
Heart rate, beats·min ⁻¹	66 ± 3	68 ± 4
Systolic Blood Pressure, mmHg	111 ± 3	144 ± 4*
Diastolic Blood Pressure, mmHg	55 ± 2	63 ± 2*
Mean Blood Pressure, mmHg	74 ± 2	90 ± 2*
LV End-diastolic volume, mL	154 ± 8	160 ± 6
LV End-systolic volume, mL	58 ± 3	35 ± 3*
LV Stroke volume, mL	97 ± 5	125 ± 5*
Indices of LV work, function and oxygen demand		
LV Ejection Fraction, %	63 ± 1	78 ± 2*
LV end-systolic elastance, mmHg·mL ⁻¹	1.8 ± 0.1	4.3 ± 0.4*
LV end-systolic wall stress, 10 ³ dyn/cm ²	0.9 ± 0.1	0.8 ± 0.1
LV stroke work (x10 ⁻³), mmHg·mL ⁻¹	9.2 ± 0.7	15.1 ± 1.5*
LV total work, mmHg·mL ⁻¹ ·bpm ⁻¹	120.2 ± 11.5	295.7 ± 39.2*
MVO ₂ , ml·min ⁻¹	6.8 ± 0.3	8.5 ± 0.5*

Data reported as mean ± SEM. *P < 0.05. RBC, red blood cell; LV, left ventricle; MVO₂, myocardial oxygen consumption

Supplemental Figure



Supplemental Figure Legend

Supplemental Figure. Bland-Altman analysis of intraobserver/measurement variability of myocardial contrast echocardiography showing (A) capillary blood volume, (B) feed artery flow velocity, and (C) myocardial perfusion [= capillary blood volume x feed artery flow velocity]. Variability of left ventricular volumetric analyses are shown in panel D (end-diastolic volume) and E (end-systolic volume).