SUPPLEMENTAL MATERIAL

Table S1. Deviations from the protocol follow-up window at 30 \pm 10 days.

Variable	Distal (n=150)	Proximal (n=150)		
Lost to Follow-up	22 (14.7%)	24 (16.0%)		
30-day Follow-up Window	n=128	n=126		
Median Follow-up Time (days)	28 [23, 37]	30 [24, 40]		
<20 days	1 (0.8%)	2 (1.6%)		
$30 \pm 10 \text{ days}$	104 (81.3%)	94 (74.6%)		
>40 days	23 (18.0%)	30 (23.8%)		

Values are frequency (%) or median [quartiles].

Table S2. Summary of the mean and standard deviation for Quick DASH, pinch grip, and hand grip change simulated in 1000 Monte Carlo Simulations. A 10% \pm 10% reduction was evaluated for each test.

		Quick DASH Difference (Post – Pre)		Pinch Difference (Post – Pre)		Grip Difference (Post – Pre)		Average Z- Score	
Scenarios	Mean from 1000 Monte Carlo Simulations		pRA	•	pRA		pRA	dRA	pRA
1: 10% ± 10% reduction in dRA Hand Grip Strength and 0% ± 10% in all other measures with total	Mean	-0.19	-0.19	0	0.01	0	-4.41	0.14	-0.14
n=250 2: 10% ± 10%	SD	3.73	3.73	0.7	0.7	4.53	4.66	0.69	0.69
reduction in dRA Pinch Grip and 0% ± 10% in all other measures with total	Mean	-0.19	-0.19	0	-0.67	0	0	0.14	-0.14
n=250 3: 10% ±	SD	3.73	3.73	0.70	0.71	4.53	4.53	0.69	0.69
reduction in dRA Quick DASH Score and 0% ± 10% in all other measures with total n=250	Mean	-0.19	-3.62	0	0.01	0	0	0.13	-0.13
	SD	3.73	4.01	0.7	0.7	4.53	4.53	0.68	0.70

 $DASH\ -\ Disabilities\ of\ the\ Arm,\ Shoulder,\ and\ Hand\ questionnaire;\ dRA-distal\ radial\ artery;\ pRA-proximal\ radial\ artery$

Table S3. Comparison of baseline characteristics between patients included vs. excluded. Patients excluded did not have a follow-up measurement at 30-days.

			Included	
Variable	Overall (n=300)	Excluded (n=46)	(n=254)	P
Baseline Patient Characteristics				
Age (yrs)	66.6 ± 9.6	63.5 ± 10.3	67.2 ± 9.4	0.03
Sex				0.42
Female	74 (24.7%)	14 (30.4%)	60 (23.6%)	
Male	226 (75.3%)	32 (69.6%)	194 (76.4%)	
Diabetes Mellitus	96 (32%)	14 (30.4%)	82 (32.3%)	0.94
Hypercholesteremia	56 (18.7%)	4 (8.7%)	52 (20.5%)	0.09
Hypertension	232 (77.3%)	37 (80.4%)	195 (76.8%)	0.72
Prior Myocardial Infarction	39 (13%)	9 (19.6%)	30 (11.8%)	0.23
Prior CABG	6 (2%)	1 (2.2%)	5 (2%)	1
Prior PCI	56 (18.7%)	6 (13%)	50 (19.7%)	0.39
Baseline Hand Function				
Hand Grip (kg)				
Left Hand	21.2 [15.6, 28.7]	21.3 [15.5, 28.7]	20.8 [15.8, 28.5]	0.72
Right Hand	26 [18.7, 32.8]	27.3 [17.9, 33.8]	25.5 [18.7, 32.7]	0.58
Pinch Grip (kg)				
Left Hand	6.8 [5.1, 8.4]	7.3 [5.1, 9.1]	6.8 [5, 8.2]	0.17
Right Hand	7.3 [5.4, 9]	7.7 [5.7, 9.1]	7.3 [5.3, 8.8]	0.31
Quick DASH				
Score	4.6 [0, 15.9]	6.8 [0, 15.9]	4.6 [0, 13.6]	0.97

Values are frequency (%), mean \pm standard deviation, or median [quartiles].

CABG – coronary artery bypass graft; DASH - Disabilities of the Arm, Shoulder, and Hand questionnaire; kg – kilogram; PCI – percutaneous coronary intervention

Table S4. Hand and pinch grip strength at 30-days in the non-catheterization hand.

Variable	Overall (n=254)	Distal (n=128)	Proximal (n=126)	P
Hand Grip Strength (kg)				
Baseline	20.8 [16, 28.5]	21.5 [16, 28]	20.3 [16, 28.7]	0.51
30-days	24 [17.1, 31.8]	26 [17, 33]	23.3 [17.3, 30.7]	0.35
Change from Baseline*	2.5 [-1.3, 6.7]	2.7 [-1.3, 7.3]	2 [-1.3, 5.3]	0.49
Pinch Grip Strength (kg)				
Baseline	6.8 [5, 8.2]	7 [5, 8.3]	6.4 [5, 8]	0.28
30-days	6.6 [4.8, 8.2]	6.7 [4.8, 8.2]	6.3 [4.8, 8.2]	0.98
Change from Baseline*	0 [-1, 0.9]	-0.1 [-1, 0.6]	0 [-1, 0.9]	0.2

Values are median [quartiles].

kg – kilogram

^{*} Hand Grip and Pinch Grip Change were calculated as 30-days – baseline such that negative values indicate worsening.