

Supplemental Table 3 – Baseline demographics and procedural characteristics by balloon size

Baseline participant and lesion characteristics ^a	Balloon diameter <7 mm				Balloon diameter ≥7 mm			
	IN.PACT AV DCB N=78	Standard PTA N=70	Total N=148	p-value ^b	IN.PACT AV Access DCB N=92	Standard PTA N=90	Total N=182	p-value ^c
Age (yrs)	68.3 ± 12.3 (78)	67.3 ± 12.6 (70)	67.8 ± 12.4 (148)	0.613	63.7 ± 13.5 (92)	64.1 ± 13.9 (90)	63.9 ± 13.7 (182)	0.826
Male	62.8% (49/78)	67.1% (47/70)	64.9% (96/148)	0.609	68.5% (63/92)	60.0% (54/90)	64.3% (117/182)	0.279
Hypertension	87.2% (68/78)	94.3% (66/70)	90.5% (134/148)	0.168	94.6% (87/92)	94.4% (85/90)	94.5% (172/182)	1.000
Hyperlipidemia	59.0% (46/78)	48.6% (34/70)	54.1% (80/148)	0.248	50.0% (46/92)	55.6% (50/90)	52.7% (96/182)	0.462
Diabetes Mellitus	65.4% (51/78)	74.3% (52/70)	69.6% (103/148)	0.284	60.9% (56/92)	64.4% (58/90)	62.6% (114/182)	0.648
Renal Insufficiency	100.0% (78/78)	100.0% (70/70)	100.0% (148/148)	> 0.999	100.0% (92/92)	100.0% (90/90)	100.0% (182/182)	> 0.999
Carotid Artery Disease	2.6% (2/78)	7.1% (5/70)	4.7% (7/148)	0.256	5.4% (5/92)	10.0% (9/90)	7.7% (14/182)	0.278
Congestive Heart Failure	19.2% (15/78)	27.1% (19/70)	23.0% (34/148)	0.328	26.1% (24/92)	22.2% (20/90)	24.2% (44/182)	0.605
Coronary Heart Disease	39.7% (31/78)	44.3% (31/70)	41.9% (62/148)	0.619	32.6% (30/92)	34.4% (31/90)	33.5% (61/182)	0.875
Peripheral Artery Disease	23.1% (18/78)	14.3% (10/70)	18.9% (28/148)	0.210	16.3% (15/92)	15.7% (14/89)	16.0% (29/181)	1.000
Current Smoker	12.8% (10/78)	14.3% (10/70)	13.5% (20/148)	0.814	9.8% (9/92)	17.8% (16/90)	13.7% (25/182)	0.135
Former Smoker	38.5% (30/78)	28.6% (20/70)	33.8% (50/148)	0.226	35.9% (33/92)	27.8% (25/90)	31.9% (58/182)	0.268
Lesion Type				0.858				0.749

De Novo	30.8% (24/78)	28.6% (20/70)	29.7% (44/148)		29.3% (27/92)	32.2% (29/90)	30.8% (56/182)	
Restenotic	69.2% (54/78)	71.4% (50/70)	70.3% (104/148)		70.7% (65/92)	67.8% (61/90)	69.2% (126/182)	
Lesion classification				0.389				0.236
Single	79.5% (62/78)	85.7% (60/70)	82.4% (122/148)		85.9% (79/92)	92.2% (83/90)	89.0% (162/182)	
Tandem	20.5% (16/78)	14.3% (10/70)	17.6% (26/148)		14.1% (13/92)	7.8% (7/90)	11.0% (20/182)	
Target Lesion Location				0.587				0.215
Anastomosis	51.3% (40/78)	48.6% (34/70)	50.0% (74/148)		4.3% (4/92)	6.7% (6/90)	5.5% (10/182)	
Arterial Inflow	1.3% (1/78)	7.1% (5/70)	4.1% (6/148)		3.3% (3/92)	2.2% (2/90)	2.7% (5/182)	
Cephalic Arch	3.8% (3/78)	5.7% (4/70)	4.7% (7/148)		29.3% (27/92)	35.6% (32/90)	32.4% (59/182)	
In Cannulation Zone	3.8% (3/78)	4.3% (3/70)	4.1% (6/148)		23.9% (22/92)	10.0% (9/90)	17.0% (31/182)	
Swing Point	6.4% (5/78)	5.7% (4/70)	6.1% (9/148)		9.8% (9/92)	8.9% (8/90)	9.3% (17/182)	
Venous Outflow	33.3% (26/78)	28.6% (20/70)	31.1% (46/148)		29.3% (27/92)	36.7% (33/90)	33.0% (60/182)	
AVF Type				0.818				0.817
Radiocephalic	83.3% (65/78)	78.6% (55/70)	81.1% (120/148)		22.8% (21/92)	27.8% (25/90)	25.3% (46/182)	
Brachiocephalic	12.8% (10/78)	14.3% (10/70)	13.5% (20/148)		56.5% (52/92)	53.3% (48/90)	54.9% (100/182)	
Brachio basilic	1.3% (1/78)	2.9% (2/70)	2.0% (3/148)		17.4% (16/92)	14.4% (13/90)	15.9% (29/182)	
Other	2.6% (2/78)	4.3% (3/70)	3.4% (5/148)		3.3% (3/92)	4.4% (4/90)	3.8% (7/182)	

Previous peripheral revascularization	71.8% (56/78)	75.7% (53/70)	73.6% (109/148)	0.709	76.1% (70/92)	74.4% (67/90)	75.3% (137/182)	0.864
Time since AVF creation (years) ^d	3.0 ± 3.0 (78)	3.7 ± 4.7 (70)	3.4 ± 3.9 (148)	0.261	3.4 ± 3.0 (92)	3.3 ± 2.9 (90)	3.3 ± 2.9 (182)	0.861
Time on hemodialysis (years) ^e	4.6 ± 6.1 (78)	4.9 ± 6.4 (70)	4.7 ± 6.2 (148)	0.833	4.1 ± 4.0 (92)	3.6 ± 4.0 (89)	3.9 ± 4.0 (181)	0.432
Total lesion length (mm)	56.0 ± 26.5 (78)	50.1 ± 25.7 (70)	53.2 ± 26.2 (148)	0.175	39.2 ± 27.2 (92)	32.1 ± 23.0 (90)	35.7 ± 25.4 (182)	0.059
Pre-procedure stenosis (percent)	83.9 ± 12.0 (78)	81.2 ± 13.7 (70)	82.6 ± 12.9 (148)	0.205	77.2 ± 11.5 (92)	77.6 ± 11.7 (90)	77.4 ± 11.6 (182)	0.814

^a % (counts/sample size) or mean ± standard deviation (sample size)

^b P values in this column are comparing DCB to PTA outcomes in those participants with reference vessel diameters <7.17 mm

^c P values in this column are comparing DCB to PTA outcomes in those participants with reference vessel diameters ≥7.17 mm

^d24 participants had partial dates and their years since AVF creation were calculated based on the imputed dates using the middle of the month or middle of the year.

^e29 participants had partial dates and their years of hemodialysis history were calculated based on the imputed dates using the middle of the month or middle of the year.