

Supplemental Table 1 (A) Clinical and (B) lesion characteristics of the PreNC and OPRENBIS studies

(A)	PreNC Study			OPRENBIS Study		
	NCB group (n=30)	SCB cohort (n=30)	p-value	NCB group (n=23)	SCB group (n=21)	p-value
Age (years; mean ± SD)	63.4±9.3	60.9±11.8	0.36	64.7±7.6	64.4±10.0	0.89
Sex (male; n (%))	21 (70.0%)	27 (90.0%)	0.052	17 (73.9%)	16 (76.2%)	0.86
Weight (kg; mean ± SD)	79.5±16.9	88.0±23.2	0.14	85.5±12.9	78.6±10.6	0.062
Cardiac risk factors						
Hypertension (n (%))	23 (76.7%)	24 (80.0%)	0.75	15 (65.2%)	13 (61.9%)	0.82
Smoking (current; n (%))	6 (20.0%)	11 (36.7%)	0.13	3 (13.0%)	7 (33.3%)	0.28 ^f
Diabetes (n (%))	9 (30.0%)	5 (16.7%)	0.22	7 (30.4%)	6 (28.6%)	0.89
Hyperlipidaemia (n (%))	17 (56.7%)	21 (70.0%)	0.28	14 (60.9%)	11 (52.4%)	0.57
Medical history						
Previous MI (n (%))	9 (30.0%)	12 (40.0%)	0.42	3 (13.0%)	8 (38.1%)	0.055
Previous CABG (n (%))	1 (3.3%)	0 (0.0%)	0.99	0 (0.0%)	0 (0.0%)	-
Previous PTCA (n (%))	12 (40.0%)	14 (46.7%)	0.60	9 (39.1%)	9 (42.9%)	0.80
History of stroke (n (%))	1 (3.3%)	4 (13.3%)	0.35	0 (0.0%)	1 (4.8%)	0.47
(B)	PreNC Study			OPRENBIS Study		
Treated lesions	NCB group (n=30)	SCB cohort (n=30)	p-value	NCB group (n=23)	SCB group (n=21)	p-value
AHA Lesion classification			0.27			0.38
- Type A	1 (4.0%)	0 (0.0%)		0 (0.0%)	0 (0.0%)	
- Type B1	6 (24.0%)	4 (12.9%)		9 (39.1%)	4 (20.0%)	

- Type B2	10 (40.0%)	11 (35.5%)		5 (21.7%)	6 (30.0%)	
- Type C	8 (32.0%)	16 (51.6%)		9 (39.1%)	10 (50.0%)	
Baseline calcification			0.86			0.35
- None	20 (80.0%)	22 (70.9%)		19 (82.6%)	19 (95.0%)	
- Moderate	5 (20.0%)	8 (25.8%)		4 (17.4%)	1 (5.0%)	
- Severe	0 (0.0%)	1 (3.2%)		0 (0%)	0 (0%)	
Bifurcation lesion	3 (12.0%)	11 (35.5%)	0.043	0 (0.0%)	2 (10.0%)	0.21
Thrombus	0 (0%)	0 (0%)	-	0 (0%)	0 (0%)	-
Lesion length (mm)	18.3±8.1	22.2±9.5	0.10 ^t	20.6±12.7	20.5±10.1	0.98
Direct stenting	0 (0.0%)	2 (5.9%)	0.99	0 (0.0%)	0 (0.0%)	-
Pre-dilatation balloon diameter (mm)	2.65±0.53	2.74±0.38	0.49	2.92±0.49	2.78±0.39	0.17
- 1.5	2 (4.7%)	0 (0.0%)		1 (3.3%)	0 (0.0%)	
- 2.0	7 (16.7%)	3 (7.5%)		1 (3.3%)	1 (4.3%)	
- 2.5	15 (35.7%)	18 (45.0%)		7 (23.3%)	11 (47.8%)	
- 3.0	12 (28.6%)	16 (40.0%)		15 (50.0%)	8 (34.8%)	
- 3.5	6 (14.3%)	3 (7.5%)		5 (16.7%)	3 (13.0%)	
- 4.0	0 (0.0%)	0 (0.0%)		1 (3.3%)	0 (0.0%)	
Pre-dilatation pressure (atm.)	23.4±5.9	14.1±3.7	<0.0001	25.3±7.4	13.6±2.5	<0.0001
Implanted stents						
- Metallic DES/BMS	18 (72.0%)	23 (74.2%)		0 (0%)	0 (0%)	-
- Absorb BVS	5 (20.0%)	8 (25.8%)		23 (100.0%)	20 (100.0%)	-
- Both	2 (8.0%)	0 (0.0%)		0 (0%)	0 (0%)	
Stent diameter (mm)	3.10±0.39	3.25±0.47	0.12	3.16±0.35	3.09±0.41	0.57

- 2.0	0 (0.0%)	1 (2.4%)		0 (0.0%)	0 (0.0%)	
- 2.25	2 (4.9%)	0 (0.0%)		0 (0.0%)	0 (0.0%)	
- 2.5	3 (7.3%)	3 (7.1%)		4 (12.9%)	4 (25.0%)	
- 2.75	1 (2.4%)	3 (7.1%)		0 (0.0%)	0 (0.0%)	
- 3.0	22 (53.7%)	13 (30.9%)		13 (41.9%)	10 (31.3%)	
- 3.5	11 (26.8%)	16 (38.1%)		14 (45.2%)	14 (43.7%)	
- 4.0	2 (4.9%)	6 (14.3%)		0 (0.0%)	0 (0.0%)	
Stent length (mm)	21.9±7.9	26.2±9.0	0.022	22.4±5.8	21.9±6.6	0.84
Stent implantation pressure (atm)	13.4±3.0	13.4±2.9	0.98	12.9±2.8	13.1±2.0	0.79
Post-dilatation (No. of lesions)	19/31	27/34	0.17	22/23	19/22	0.34
Post-dilatations (No. of balloons)	28	40	-	29	28	
Post-dilatation balloon diameter (mm)	3.19±0.47	3.48±0.44	0.010	3.48±0.51	3.41±0.59	0.47
- 2.0	1 (3.6%)	1 (2.5%)		0 (0.0%)	0 (0.0%)	
- 2.5	4 (14.3%)	1 (2.5%)		1 (3.4%)	2 (7.1%)	
- 3.0	8 (28.6%)	6 (15.0%)		8 (27.6%)	12 (42.9%)	
- 3.5	13 (46.4%)	23 (57.5%)		14 (48.3%)	6 (21.4%)	
- 4.0	2 (7.1%)	8 (20.0%)		4 (13.8%)	6 (21.4%)	
- 4.5	0 (0.0%)	1 (2.5%)		1 (3.4%)	1 (3.6%)	
- 5.0	0 (0.0%)	0 (0.0%)		1 (3.4%)	1 (3.6%)	
Post-dilatation pressure (atm.)	20.8±7.2	20.4±7.3	0.81	24.9±9.1	27.5±8.6	0.31