

Supplemental Table 3 Lesion assessment based upon optical coherence tomography (OCT) measurements after **(A)** bioresorbable vascular scaffold (BVS) implantation, and **(B)** drug eluting stent (DES) implantation

(A)

Variable	Measure	NCB cohort	SCB cohort	p-value
<i>After scaffold implantation</i>				
Average lumen area in distal reference (mm ²)	Mean(±SD)	6.70 (±2.75)	6.36 (±1.86)	0.89
In-stent MLD (mm)	Mean(±SD)	2.24 (±0.37)	2.16 (±0.30)	0.29
Average stent area (mm ²)	Mean(±SD)	6.43 (±1.81)	6.12 (±1.55)	0.67
Average lumen area in prox. reference (mm ²)	Mean(±SD)	8.55 (±2.74)	7.86 (±2.33)	0.36
Expansion Index	Mean(±SD)	0.87 (±0.15)	0.83 (±0.12)	0.41
Expansion Index <0.8	Yes	11 (39.29%)	12 (42.86%)	0.39
<i>After post-dilatation / Final</i>				
Average lumen area in distal reference (mm ²)	Mean(±SD)	6.35 (±2.60)	6.16 (±2.01)	0.98
In-stent MLD (mm)	Mean(±SD)	2.58 (±0.41)	2.42 (±0.33)	0.13
Average stent area (mm ²)	Mean(±SD)	7.06 (±2.13)	6.67 (±1.72)	0.58
Average lumen area in prox. reference (mm)	Mean(±SD)	8.51 (±2.55)	8.09 (±2.39)	0.73
Expansion Index	Mean(±SD)	0.94 (±0.14)	0.89 (±0.13)	0.17
Expansion Index <0.8	Yes	5 (17.86%)	7 (25.00%)	0.27

(B)

Variable	Measure	NCB cohort	SCB cohort	p-value
<i>After stent implantation</i>				
Average lumen area in distal reference (mm ²)	Mean(±SD)	5.42 (±1.95)	6.52 (±2.12)	0.097
In-stent MLD (mm)	Mean(±SD)	2.43 (±0.47)	2.39 (±0.34)	0.76
Average stent area (mm ²)	Mean(±SD)	6.94 (±2.08)	7.46 (±1.71)	0.38
Average lumen area in prox. reference (mm ²)	Mean(±SD)	7.37 (±2.74)	8.24 (±2.74)	0.36
Expansion Index	Mean(±SD)	0.91 (±0.09)	0.87 (±0.15)	0.22
Expansion Index <0.8	Yes	2 (11.11%)	9 (39.13%)	0.024
<i>After post-dilatation / Final</i>				
Average lumen area in distal reference (mm ²)	Mean(±SD)	4.96 (±1.99)	6.42 (±2.15)	0.20 [†]
In-stent MLD (mm)	Mean(±SD)	2.54 (±0.59)	2.55 (±0.32)	0.98
Average stent area (mm ²)	Mean(±SD)	7.89 (±3.07)	8.56 (±1.87)	0.54
Average lumen area in prox. reference (mm)	Mean(±SD)	7.17 (±3.25)	9.07 (±2.66)	0.23 [†]
Expansion Index	Mean(±SD)	0.95 (±0.11)	0.86 (±0.13)	0.036
Expansion Index <0.8	Yes	1 (5.56%)	6 (26.09%)	0.054

Abbreviations: MLD = Minimum lumen diameter; Prox. = Proximal.