Supplementary Table 1. Individual clinical, angiographic, procedural, and one-year outcomes						
Case	**Clinical profile**	**Bifurcation anatomy**	**SB lesion and predilation**	**Post-MB SB result/ treatment**	**Final procedure**	**Procedural/1-year outcome**
1	71 years; male; UAP	LAD-D; Medina 1,0,1; 65°	Diameter 2.75 mm; lesion length 12 mm; stenosis 99%; balloon 2×10 mm at 20 atm	TIMI 1; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 20%; 32 min	No event
2	65 years; male; NSTEMI	LAD-D; Medina 1,1,1; 45°	Diameter 3 mm; lesion length 10 mm; stenosis 80%; balloon 2×12 mm at 14 atm	TIMI 3; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 20%; 25 min	No event
3	48 years; male; STEMI	LAD-D; Medina 1,1,1; 30°	Diameter 2.75 mm; lesion length 10 mm; stenosis 100%; balloon 2×12 mm at 12 atm	TIMI 3; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 40%; 35 min	TVR at 3 months
4	64 years; male; STEMI	LAD-D; Medina 0,1,1; 78°	Diameter 2.5 mm; lesion length 15 mm; stenosis 80%; balloon 2×15 mm at 14 atm	TIMI 2; balloon	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 30%; 28 min	Stroke at 1 month
5	59 years; male; STEMI	CX-OM; Medina 0,1,1; 38°	Diameter 2 mm; lesion length 13 mm; stenosis 90%; balloon 2×15 mm at 15 atm	TIMI 2; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 30%; 27 min	No event
6	51 years; male; UAP	LAD-D; Medina 1,0,1; 48°	Diameter 2.75 mm; lesion length 9 mm; stenosis 90%; balloon 2×12 mm at 12 atm	TIMI 2; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 30%; 25 min	No event
7	66 years; male; NSTEMI	LAD-D; Medina 0,1,1; 71°	Diameter 2 mm; lesion length 10 mm; stenosis 90%; balloon 2×12 mm at 12 atm	TIMI 3; no further treatment	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 20%; 36 min	No event
8	46 years; male; STEMI	LAD-D; Medina 1,1,1; 61°	Diameter 2 mm; lesion length 10 mm; stenosis 90%; balloon 2×12 mm at 12 atm	TIMI 2; no further treatment	Provisional; POT: No; final SB TIMI 3; residual stenosis 30%; 26 min	No event
9	63 years; female; UAP	CX-OM; Medina 0,1,1; 27°	Diameter 2 mm; lesion length 8 mm; stenosis 90%; balloon 2×10 mm at 12 atm	TIMI 3; no further treatment	Provisional; POT: No; final SB TIMI 3; residual stenosis 30%; 20 min	No event
10	58 years; male; NSTEMI	LAD-D; Medina 1,1,1; 41°	Diameter 2 mm; lesion length 8 mm; stenosis 90%; balloon 2×10 mm at 14 atm	TIMI 3; no further treatment	Provisional; POT: No; final SB TIMI 3; residual stenosis 30%; 35 min	No event
11	50 years; male; UAP	CX-OM; Medina 1,1,1; 52°	Diameter 2 mm; lesion length 10 mm; stenosis 80%; balloon 2×12 mm at 12 atm	TIMI 2; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 30%; 37 min	No event
12	71 years; male; UAP	CX-OM; Medina 1,1,1; 25°	Diameter 2.5 mm; lesion length 5 mm; stenosis 99%; balloon 2.5×10 mm at 16 atm	TIMI 2; balloon + KBI	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 20%; 30 min	No event
13	68 years; male; UAP	CX-OM; Medina 1,0,1; 62°	Diameter 2.5 mm; lesion length 6 mm; stenosis 95%; balloon 2.5×12 mm at 14 atm	TIMI 2; balloon	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 30%; 33 min	No event
14	90 years; female; STEMI	CX-OM; Medina 1,0,1; 45°	Diameter 2 mm; lesion length 8 mm; stenosis 99%; balloon 2×10 mm at 14 atm	TIMI 1; balloon	Provisional; POT: Yes; final SB TIMI 3; residual stenosis 20%; 40 min	No-reflow
15	70 years; male; UAP	LAD-D; Medina 1,0,1; 58°	Diameter 2.5 mm; lesion length 6 mm; stenosis 80%; balloon 2.5×15 mm at 12 atm	TIMI 1; balloon + KBI	TAP; POT: Yes; final SB TIMI 3; residual stenosis 0%; 45 min	No event
16	65 years; female; NSTEMI	LAD-D; Medina 0,1,1; 75°	Diameter 2.5 mm; lesion length 12 mm; stenosis 90%; balloon 2.5×15 mm at 12 atm	TIMI 2; balloon + KBI	TAP; POT: Yes; final SB TIMI 3; residual stenosis 0%; 40 min	No event
17	49 years; male; NSTEMI	CX-OM; Medina 0,1,1; 56°	Diameter 3 mm; lesion length 10 mm; stenosis 95%; balloon 2.5×15 mm at 12 atm	TIMI 1; balloon + KBI	Culotte; POT: Yes; final SB TIMI 3; residual stenosis 0%; 45 min	No event
18	56 years; male; UAP	LAD-D; Medina 0,1,1; 72°	Diameter 2.75 mm; lesion length 10 mm; stenosis 80%; balloon 2.5×16 mm at 14 atm	TIMI 2; balloon + KBI	Culotte; POT: Yes; final SB TIMI 3; residual stenosis 0%; 35 min	TVR at 5 months
19	56 years; female; NSTEMI	LAD-D; Medina 1,1,1; 56°	Diameter 2.5 mm; lesion length 10 mm; stenosis 80%; balloon 2×15 mm at 12 atm	TIMI 2; balloon + KBI	TAP; POT: Yes; final SB TIMI 3; residual stenosis 0%; 32 min	No event

Values are shown for each de-identified case
CX-OM: Circumflex-obtuse marginal branch, KBI: Kissing balloon inflation, LAD-D: Left anterior descending artery-diagonal branch, MB: Main branch, NSTEMI: Non-ST-elevation myocardial infarction, POT: Proximal optimization technique, SB: Side branch, STEMI: ST-elevation myocardial infarction, TAP: T-and-protrusion, TIMI: Thrombolysis in myocardial infarction, TVR: Target vessel revascularization, UAP: Unstable angina pectoris. All patients achieved final MB TIMI 3 flow. No procedural myocardial infarction occurred, and no cardiac death, myocardial infarction, or stent thrombosis was observed during the one-year follow-up