

# **SUPPLEMENTAL MATERIAL**

**Table S1. Comparison of OCT findings at baseline between culprit vessel and non-culprit vessel.**

	Control group (n=31)			EPA group (n=31)			EPA+DHA group (n=35)		
	Culprit vessel (n=10)	Non-culprit vessel (n=21)	<i>P</i> value	Culprit vessel (n=14)	Non-culprit vessel (n=17)	<i>P</i> value	Culprit vessel (n=9)	Non-culprit vessel (n=26)	<i>P</i> value
Minimal FCT, $\mu\text{m}$	140 (60-180)	120 (80-195)	0.8490	150 (105-170)	90 (65-145)	0.1201	120 (60-220)	91 (68-150)	0.7330
Maximal lipid arc, $^{\circ}$	196.4 (148.4-253.2)	202.5 (163.0-227.3)	0.9326	164.3 (134.1-227.9)	189.2 (151.5-250.2)	0.2039	175.2 (160.7-208.7)	177.6 (128.9-230.9)	0.9398
Average lipid arc, $^{\circ}$	154.2 (127.2-209.3)	147.3 (124.9-163.4)	0.7836	131.9 (118.2-170.8)	152.7 (134.5-190.1)	0.1169	148.2 (127.7-191.3)	142.5(116.2-204.4)	0.9849
Lipid length, mm	5.1 (3.2-8.3)	4.6 (2.6-6.9)	0.5539	4.3 (2.3-6.2)	4.2 (3.5-5.5)	0.6473	4.4 (2.6-7.6)	3.3 (2.0-5.5)	0.2571
Lipid volume index	845.7 (432.6-1165.6)	669.6 (386.2-1131.7)	0.5684	530.8 (265.7-948.0)	730.6 (506.6-1034.0)	0.5869	624.3 (446.7-1019.9)	432.4 (339.6-857.1)	0.2655
Macrophage infiltration	8 (80)	20 (95)	0.1798	10 (71)	17 (100)	0.0182	9 (100)	24 (92)	0.3915
Cholesterol crystal	3 (30)	5 (24)	0.7121	1 (7)	2 (12)	0.6649	3 (33)	3 (12)	0.1348
Microchannel	2 (20)	4 (19)	0.9500	1 (7)	4 (24)	0.2170	2 (22)	4 (15)	0.6390

Plaque rupture	1 (10)	2 (10)	0.9666	0 (0)	1 (6)	0.3563	0 (0)	0 (0)	1.000
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Values are presented as medians ((interquartile interval). DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid; FCT, fibrous cap thickness.

**Table S2. Clinical outcomes.**

	Control group	EPA group	EPA+DHA group	<i>P</i> value
	(n=38)	(n=38)	(n=38)	
Major adverse cardiovascular event	9 (24)	4(11)	9 (24)	0.274
All-cause death	0	0	0	
Cardiac death	0	0	0	
Non-fatal myocardial infarction	1 (2)	1 (3)	0	0.562
Stroke	0	0	0	
Coronary revascularization	9 (24)	4 (11)	9 (24)	0.274
Target lesion revascularization	2 (5)	2 (5)	2 (4)	1.000

Values are presented as n (%). DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid.

**Table S3. Absolute change and percent change for OCT measurements between diabetes mellitus and non-diabetes mellitus.**

	Diabetes mellitus (n=25)	Non-diabetes mellitus (n=72)	<i>P</i> value
<b>Minimum FCT</b>			
Absolute change	30 (0-90)	35 (0-97.5)	0.5996
Percent change	20.0 (0.8-100.0)	36.1 (0-118.6)	0.7101
<b>Maximal lipid arc</b>			
Absolute change	-16.6 (-33.7-0)	-15.0 (-40.0--1.9)	0.8885
Percent change	-10.0 (-18.6-0)	-8.1 (-19.7--1.2)	0.8950
<b>Average lipid arc</b>			
Absolute change	-12.9 (-58.4-19.8)	-1.9 (-14.8-12.7)	0.2892
Percent change	-8.1 (-29.8-14.8)	-1.4 (-12.0-8.4)	0.2727

Lipid length

Absolute change	-0.4 (-1.6-0)	-0.4 (-1.2-0.4)	0.2424
Percent change	-18.8 (-30.3-0)	-8.2 (-28.3-16.7)	0.1559

Lipid volume index

Absolute change	-139.5 (-260.21--16.0)	-55.3 (-225.5-77.4)	0.2382
Percent change	-16.4 (-42.8--4.0)	-8.9 (-35.6-25.6)	0.1421

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Values are presented as medians ((interquartile interval). FCT, fibrous cap thickness.