

Supplementary Table 7. Analysis of Primary Endpoints – THS and Cigarette Smoking arms – As Randomized.

Primary Endpoint	Time Point	LS Means (95% CI)		LS Means Ratio / Difference** (95% CI)
		THS	Cigarette Smoking	THS vs. Cigarettes
HDL (mg/dL)	Baseline*	54.2 (52.6 ; 55.8)	53.6 (52.0 ; 55.1)	----
	Month 3	54.6 (53.5; 55.7)	53.0 (52.0 ; 54.0)	1.61 (0.205 ; 3.01)
	Month 6	54.6 (53.5 ; 55.8)	51.8 (50.6 ; 52.9)	2.89 (1.33 ; 4.45)
WBC (GI/L)	Baseline*	7.41 (7.22 ; 7.60)	7.48 (7.29 ; 7.67)	----
	Month 3	7.18 (6.98 ; 7.38)	7.55 (7.35 ; 7.75)	-0.367 (-0.582 ; -0.153)
	Month 6	7.26 (7.05 ; 7.48)	7.53 (7.33 ; 7.74)	-0.270 (-0.502 ; -0.038)
FEV ₁ %pred (post BDR)	Baseline*	95.8 (94.5 ; 97.1)	96.0 (94.8 ; 97.3)	----
	Month 3	95.2 (94.6 ; 95.9)	94.6 (93.9 ; 95.3)	0.642 (-0.038 ; 1.32)
	Month 6	94.4 (93.6 ; 95.1)	93.1 (92.4 ; 93.9)	1.23 (0.344 ; 2.11)
sICAM-1 (ng/mL)	Baseline*	262 (253 ; 272)	266 (254 ; 278)	----
	Month 3	262 (256 ; 269)	263 (256 ; 270)	99.7 (97.2 ; 102)
	Month 6	260 (253 ; 266)	264 (257 ; 271)	98.4 (95.9 ; 101)
11-DTX-B2 (pg/mg creat.)	Baseline*	592 (550 ; 637)	578 (537 ; 622)	----
	Month 3	534 (500 ; 571)	535 (502 ; 570)	99.9 (91.6 ; 109)
	Month 6	511 (475 ; 549)	527 (492 ; 565)	96.8 (88.2 ; 106)
8-epi PGF2 α (pg/mg creat.)	Baseline*	367 (350 ; 385)	363 (347 ; 380)	----
	Month 3	344 (331 ; 359)	355 (341 ; 369)	97.0 (92.0 ; 102)
	Month 6	330 (316 ; 345)	349 (335 ; 364)	94.5 (89.4 ; 100)
COHb (%)	Baseline*	4.41 (4.21 ; 4.61)	4.59 (4.39 ; 4.80)	----
	Month 3	3.36 (3.10 ; 3.64)	4.28 (3.96 ; 4.63)	78.6 (72.7 ; 84.9)
	Month 6	3.46 (3.18 ; 3.77)	4.40 (4.06 ; 4.78)	78.7 (72.3 ; 85.6)
Total NNAL (pg/mg creat.)	Baseline*	312 (286 ; 340)	324 (297 ; 353)	----
	Month 3	213 (194 ; 233)	302 (276 ; 331)	70.5 (63.5 ; 78.2)
	Month 6	198 (178 ; 220)	282 (254 ; 312)	70.4 (62.0 ; 79.8)

* Geometric Means in case of Baseline of sICAM-1, 11-DTX-B2, 8-epi PGF2 α , COHb and Total NNAL, ordinary means in case of HDL, WBC, FEV₁%pred.

** LS Mean Ratios in case of sICAM-1, 11-DTX-B2, 8-epi PGF2 α , COHb and Total NNAL.

LS Mean Differences in case of HDL, WBC and FEV₁%pred.

BDR = bronchodilator.