

**Online Supplement Tables:**

**Table E1 Comparison of BAL Cytokines**

	<b>Former Smokers (n=36)</b>	<b>Current Smokers (n=14)</b>	<b>P-value</b>
Total Protein (mg/ml); Median (IGR)	0.25 (0.14-0.52)	0.19 (0.14-0.30)	0.412
sRAGE (ng/ml); Median (IGR)	9.26 (1.72 – 19.11)	10.46 (2.06 – 18.68)	0.973
SPD (pg/ml); Median (IGR)	483.5 (121.1 – 1233)	426.2 (212.3 – 1015)	0.666
IL6 (pg/ml); Median (IGR)	28.3 (9.4-358.7)	135.8 (49.5-326.4)	0.414
IL8 (pg/ml); Median (IGR)	131.9 (2.62 – 9821)	473.6 (33.6 – 1716)	0.229
IL1B (pg/ml); Median (IGR)	1.1 (0.1 – 11.7)	7.7 (0.3 – 20.2)	0.218
TNFa (pg/ml); Median (IGR)	1.6 (0.6 – 11.1)	5.6 (1.5 – 29.8)	0.127
TNFR2 (pg/ml); Median (IGR)	322.7 (163 – 516)	503.9 (310.8 – 618.9)	0.130
IL17 (pg/ml); Median (IGR)	0.52 (0.18-0.98)	0.40 (0.18-0.75)	0.935
sICAM1 (pg/ml); Median (IGR)	13.7 (8.6-16.3)	12.3 (8.7-13.9)	0.282

**Table E2 Comparison of Preoperative Plasma Cytokines**

	<b>Former Smokers (n=36)</b>	<b>Current Smokers (n=14)</b>	<b>P-value</b>
Total Protein (mg/ml); Mean (SD)	59.2 (9.7)	60.5 (7.7)	0.665
sRAGE (ng/ml); Median (IGR)	36.6 (15.2-56.6)	25.2 (16.3-67.2)	0.806
SPD (pg/ml); Median (IGR)	844 (555-1429)	1248 (823-1770)	0.104
IL6 (pg/ml); Median (IGR)	10.17 (2.96-36.87)	8.33 (0.95-40.92)	0.636
IL8 (pg/ml); Median (IGR)	21.0 (11.2-50.6)	21.5 (12.1-48.0)	0.910
IL1ra (pg/ml); Median (IGR)	1.33 (0.01-9.76)	1.99 (0.01-8.37)	0.999
IL1B (pg/ml): Median (IGR)	0.32 (0.01-11.0)	0.16 (0.01-6.33)	0.870
TNFa (pg/ml); Median (IGR)	9.91 (6.07-32.66)	10.36 (5.94-14.97)	0.822

TNFR1 (pg/ml); Median (IGR)	1533 (1330-2158)	1442 (1208-1920)	0.510
TNFR2 (pg/ml); Median (IGR)	4547 (3454-7685)	4517 (3577-8074)	0.750
VEGF (pg/ml); Median (IGR)	87.4 (35.3-234.8)	108.5 (57.0-324.8)	0.529
IL17 (pg/ml); Median (IGR)	55.7 (7.43-180.1)	8.42 (1.13-146.2)	0.089
sICAM1(pg/ml); Median (IGR)	56.0 (35.1-86.4)	103.5 (63.9-133.0)	0.003

**Table E3 Comparison of Postoperative Plasma Cytokines**

	<b>Former Smokers (n=36)</b>	<b>Current Smokers (n=14)</b>	<b>P-value</b>
Total Protein (mg/ml); Mean (SD)	47.7 (8.5)	47.6 (10.1)	0.961
sRAGE (ng/ml); Median (IGR)	549.0 (270.8-1041)	587.7 (265.4-1029)	0.995
SPD (pg/ml); Median (IGR)	762 (614-1257)	1257 (834-1496)	0.109
IL6 (pg/ml); Median (IGR)	435.5 (233.2-680.1)	495.5 (232.7-1043)	0.436
IL8 (pg/ml); Median (IGR)	52.0 (35.0-86.8)	60.4 (31.6-106.0)	0.619
IL1ra (pg/ml); Median (IGR)	57.9 (9.22-339.5)	33.6 (12.4-259.4)	0.596
IL1B (pg/ml); Median (IGR)	0.05 (0.05-2.50)	0.05 (0.05-2.13)	0.695
TNFa (pg/ml); Median (IGR)	4.09 (2.60-7.48)	3.49 (2.98-4.86)	0.543
TNFR1 (pg/ml); Median (IGR)	2549 (1864-3863)	2398 (1701-3321)	0.741
TNFR2 (pg/ml); Median (IGR)	7150 (4543-9715)	7538 (4304-11709)	0.569
VEGF (pg/ml); Median (IGR)	70.7 (28.6-185.6)	81.7 (54.7-188.4)	0.398
IL17 (pg/ml); Median (IGR)	36.8 (6.12-192.6)	2.64 (0.52-182.8)	0.043
sICAM1 (pg/ml); Median (IGR)	42.9 (35.9-60.9)	51.4 (39.5-76.5)	0.170

**Table E4 Comparison of Postoperative Day 1 Plasma Cytokines**

	<b>Former Smokers (n=36)</b>	<b>Current Smokers (n=14)</b>	<b>P-value</b>
Total Protein (mg/ml); Mean (SD)	44.3 (8.4)	43.4 (9.0)	0.728

sRAGE (ng/ml); Median (IGR)	53.5 (35.2-74.3)	94.3 (37.5-129.1)	0.255
SPD (pg/ml); Median (IGR)	558 (472-905)	833 (543-1327)	0.156
IL6 (pg/ml); Median (IGR)	268.4 (186.6-437.3)	279.0 (209.3-465.1)	0.637
IL8 (pg/ml); Median (IGR)	59.1 (37.3-90.1)	59.3 (33.2-88.4)	0.928
IL1ra (pg/ml); Median (IGR)	14.5 (6.9-43.6)	14.7 (8.3-78.4)	0.658
IL1B (pg/ml); Median (IGR)	0.04 (0.04-2.93)	0.05 (0.04-3.09)	0.928
TNFa (pg/ml); Median (IGR)	10.16 (6.24-15.47)	8.49 (6.73-14.48)	0.730
TNFR1 (pg/ml); Median (IGR)	2554 (2101-3852)	2040 (1732-3354)	0.202
TNFR2 (pg/ml); Median (IGR)	7531 (5821-10436)	6942 (4804-11658)	0.629
VEGF (pg/ml); Median (IGR)	94.5 (56.5-142.8)	92.7 (71.8-169.4)	0.771
IL17 (pg/ml); Median (IGR)	83.6 (13.3-231.7)	8.3 (2.0-307.3)	0.085
sICAM1 (pg/ml); Median (IGR)	85.3 (65.8-111.6)	100.4 (78.1-123.9)	0.175

**Table E5 Comparison of Cardiac Indices**

	<b>Former Smokers (n=36)</b>	<b>Current Smokers (n=14)</b>	<b>P-value</b>
Preoperative CI; Median(IQR)	2.6 (2.2-3.4)	2.6 (2.4-3.2)	0.919
Postoperative CI; Median(IQR)	3.3 (2.5-4.1)	3.6 (2.9-4.0)	0.720
POD1 CI; Median(IQR)	3.3 (3.0-3.8)	3.9 (2.7-4.2)	0.574