

**Supplementary Table 3: Tear Cytokines in Controls, SJS patients and follow-up cases of SJS**

Cytokine	Control (n=50 eyes)	SJS Patients (Pre- intervention) (n=50 eyes)		SJS Patients (Post- intervention) (n=33 eyes)	
	Concentration <sup>#</sup> [pg/ml] Median (Range) (Mean±SD)	Concentration <sup>#</sup> [pg/ml] Median (Range) (Mean±SD)	p-Value (Control Vs. Patient)	Concentration <sup>#</sup> [pg/ml] Median (Range) (Mean±SD)	p-Value (pre vs. post intervention)
IL-1β	0.81 (0.35-8.8) (1.24±1.30)	3.6 (0.2-74.13) (16.45±13.9)	<0.0001 <sup>***</sup>	4.435 9 (0.39-40.31) (9.19±10.63)	0.5143
IL-1RA	4671(556-17436) (5344± 3358)	4480 (0.22-14127) (4511±3679)	0.1730	5904 (231.8-19911) (7547±5769)	<b>0.0190*</b>
IL-2	1.16 (0.07-6.08) (2.17±1.53)	3.03 (0.16-6.34) (5.88±1.71)	<b>0.0089**</b>	1.16 (0.0-6.51) (2.0±1.63)	<b>0.0042**</b>
IL-4	0.45 (0.02-1.74) (0.52 ± 0.36)	0.3300 (0.02-1.25) (0.44±0.31)	0.2093	0.33 (0.04-1.72) (0.48±0.40)	0.9050
IL-5	4.30 (0.32-18.58) (5.16± 4.02)	4.605 (0.32-30.02) (6.45±7.14)	0.8743	3.64 (0.40-42.14) (6.29±8.11)	0.5426
IL-6	1.91 (0.74-11.43) (2.44± 1.86)	2.000 (0.48-11.45) (3.98±3.36)	0.1095	2.70 (0.59-13.24) (4.03±3.37)	0.6214
IL-7	24.16 (3.51-83.45) (25.91±17.22)	7.225 (0.51-58.20) (12.83±13.25)	<0.0001 <sup>***</sup>	8.93 (0.65-43.95) (12.81±11.22)	0.6475
IL-8	16.09 (3.1-221.5) (28.9±40.42)	94.34 (2.6-2940) (495.6±597.7)	<0.0001 <sup>***</sup>	144.0 (9.25-1391) (225.6±332.0)	0.8697
IL-9	2.50 (0.28-9.91) (3.13± 2.52)	2.540 (0.04-18.51) (4.40±4.47)	0.7555	2.68 (72-13.51) (4.48±3.61)	0.3041
IL-10	21.66 (11.39-36.92) (22.44± 6.27)	13.00 (2.46-38.50) (14.74±8.73)	<0.0001 <sup>***</sup>	15.60 (6.85-52.16) (18.34±11.04)	0.1765
IL-12p70	30.27 (7.58-62.6) (31.33 ± 12.84)	11.90 (2.03-56.21) (14.78 ± 11.73)	<0.0001 <sup>***</sup>	15.52 (4.40-44.66) (16.39 ± 9.24)	0.1454
IL-13	11.71(3.93-35.03) (11.69 ± 7.17)	2.86 (0.19-26.58) (5.54 ± 6.15)	<0.0001 <sup>***</sup>	5.37 (1.67-29.43) (9.23 ± 7.77)	<b>0.0062**</b>
IL-15	1.66 (0.21-12) (1.63 ± 2.58)	3.77 (0.41-10.97) (4.45 ± 3.02)	<b>0.0180*</b>	2.57 (0.39-10.85) (5.86 ± 3.16)	0.3973
IL-17A	5.55 (0.17-29.41) (7.20 ± 6.66)	10.77 (1.42-25.92) (11.24 ± 6.64)	<b>0.0007***</b>	11.82 (3.10-32.56) (13.59 ± 8.03)	0.2721
Eotaxin	7.16 (1.82-24.60) (8.60 ± 4.96)	6.60 (0.48-13.79) (6.71 ± 3.36)	0.0948	5.01 (1.82-15.19) (6.94 ± 3.87)	0.5915
bFGF	14.6 (3.72-41.46) (17.28 ± 9.15)	29.9 (0.98-62.61) (34.56 ± 16.39)	<0.0001 <sup>***</sup>	23.23 (6.24-6096.06) (37.42 ± 14.99)	0.9129
G-CSF	9.25 (2.83-27.27) (11.82 ± 7.01)	8.98 (0.88-78.37) (17.45 ± 17.35)	0.6710	15.45 (3.52-63.31) (21.27 ± 16.97)	0.1695
GM-CSF	3.60 (0-196.1) (20.08 ± 41.52)	129.1 (0.06-205.8) (104.7 ± 70.97)	<0.0001 <sup>***</sup>	74.68 (0.06-159.7) (65.80 ± 56.99)	<b>0.0131*</b>
IFN-γ	23.80 (6.86-69.17) (25.30 ± 14.31)	12.16 (1.31-49.90) (16.65 ± 12.22)	<0.0001 <sup>***</sup>	22.30 (1.31-53.10) (24.74 ± 15.50)	<b>0.0129*</b>
IP-10	5697 (186.2-59392) (10622 ± 14184)	188.4 (1.35-31236) (3951 ± 8622)	<0.0001 <sup>***</sup>	869.5 (6.37-31236) (5531 ± 9839)	0.1001
MCP-1	10.41 (1.3-61.34) (11.29 ± 9.87)	17.62 (6.96-391.1) (53.85 ± 90.65)	<0.0001 <sup>***</sup>	20.14 (4.16-265.6) (38.61 ± 54.27)	0.9757
MIP-1α	0.78 (0.42-3.3) (0.99 ± 0.61)	0.78 (0.26-38) (1.84 ± 5.35)	0.9862	1.685 (1.2-3.35) (1.54 ± 1.11)	<b>0.0362*</b>
MIP-1β	4.12 (0.92-110.5) (11.47 ± 20.41)	7.95 (0.27-128.7) (14.81 ± 23.9)	0.2842	8.78 (1.66-84.04) (15.02 ± 18.48)	0.3735
PDGF-BB	14.39 (7.62-58.66) (17.11 ± 9.59)	9.37 (2.66-81.60) (16.49 ± 17.30)	0.0291	14.96 (1.69-62.85) (20.89 ± 15.43)	0.0697
RANTES	19.40 (8.49-120.2) (40.25±23.43)	11.21 (1.49-112.5) (23.28 ± 28.85)	<b>0.0010**</b>	9.08 (2.68-106.1) (27.31 ± 49.76)	0.2510
TNF-α	7.6 (2.9-34.09) (8.91 ± 6.66)	4.65 (1.23-29.69) (6.65 ± 5.99)	<0.0001 <sup>***</sup>	9.14 (1.28-33.19) (10.28 ± 6.91)	<b>0.0015**</b>
VEGF	101.6 (28.59-413.1) (107.54± 114)	40.86 (6.63-407.6) (80.26 ± 95.44)	<0.0001 <sup>***</sup>	48.78 (14.79-228.7) (64.08 ± 49.02)	0.2876

<sup>#</sup>Concentrations of the assayed cytokines are expressed as median with the range in brackets and also mean ± fold change.

\* p- Value <0.05 are considered significant and are shown in bold.