

*Supplemental Material Table 1: Comparison by gender and age of patients with xanthelasma and blepharoplasty controls*

Characteristics		Xanthelasma Case (n=9)	Blepharoplasty Control (n=8)	P value
Gender				0.15
	Male	4 (44.4%)	1 (12.5%)	
	Female	5 (55.6%)	7 (87.5%)	
Age (years)				
	Mean (SD)	59.9 (8.9)	65.5 (7.3)	0.18
	Median (Q1, Q3)	59 (55, 63)	66 (60, 72)	0.19
	(Min, Max)	(46, 79)	(55, 74)	

**Supplemental Material Table 2: Inter-eye difference in presence and intensity of expression of the inflammatory mediators (% cells with 1+, 2+ or 3+ expression) for patients with xanthelasma (n=9 subjects)**

Antigen/ Immunostain	Dermis				Epidermis			
	3+	2+	1+	1+2+3+	3+	2+	1+	1+2+3+
<b>CD3</b>								
Mean (SD)	0.6 (1.1)	0.3 (3.0)	0.0 (0.0)	0.9 (4.1)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)
P-value*	0.23	0.81	.	0.60	.	.	.	.
<b>CD163</b>								
Mean (SD)	0.0 (1.6)	-0.1 (0.9)	-0.9 (4.5)	-1.0 (4.8)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)
P-value*	1.00	0.69	0.63	0.60	.	.	.	.
<b>MPO</b>								
Mean (SD)	-0.1 (1.2)	-0.1 (1.6)	-1.4 (5.2)	-1.7 (6.8)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)
P-value*	0.77	0.82	0.50	0.53	.	.	.	.
<b>COX-1</b>								
Mean (SD)	1.3 (3.7)	0.8 (1.2)	0.8 (3.1)	3.0 (6.1)	5.0 (4.5)	2.2 (2.6)	0.8 (2.0)	8.0 (5.2)
P-value*	0.41	0.14	0.54	0.28	0.04	0.09	0.36	0.01
<b>iNOS</b>								
Mean (SD)	0.0 (0.0)	-0.4 (0.8)	-2.0 (6.9)	-2.4 (7.5)	-1.1 (2.6)	-2.3 (4.6)	-4.7 (20.6)	-8.1 (21.7)
P-value*	.	0.20	0.47	0.43	0.29	0.24	0.57	0.36
<b>MMP9</b>								
Mean (SD)	-2.9 (6.7)	-2.0 (4.7)	-6.6 (9.9)	-11.4 (18.0)	-11.7 (14.9)	-1.9 (4.6)	4.7 (6.4)	-8.9 (15.3)
P-value*	0.31	0.30	0.13	0.14	0.08	0.33	0.10	0.18

\*Paired t test

***Supplemental Material Table 3: Inter-eye difference in the intensity of inflammation on Hematoxylin-Eosin (H&E) stain for patients with xanthelasma (n=9 subjects)***

<b>Inter-eye difference (H&amp;E stain)</b>	<b>Inflammation Intensity</b>
H&E Stain	
Mean (SD)	0.2 (0.4)
P-value, paired t test	0.36