

Table SI. F_2 -isoprostanes, 5- and 8-iso-prostaglandin $F_{2\alpha}$ and prostaglandins 9 α ,11 α -prostaglandin $F_{2\alpha}$ and prostaglandin E2 (pg/ml*h). Area under the curve values for each patient. The means and standard deviations were obtained from dermal microdialysis in lesional, non-lesional atopic, or atopic skin treated with 0.1% tacrolimus ointment or 12% ω -6 fatty acid lotion (mean \pm standard deviation (SD); * $p < 0.05$ indicates significance, as determined by the Wilcoxon rank-sum test, comparison with untreated lesional skin)

Pat. No.	Age, years/ Sex		SCORAD	Eicosanoids	Lesional skin	Tacrolimus 0.1%	ω -6 fatty acids 12% lotion	
								Non-lesional skin
1	39/F	49.6	5-iso PGF _{2α}	8,029	2,925	3,886	5,002	
			8-iso PGF _{2α}	1,035	0	2,952	2,428	
			F2-isoprostanes	9,064	2,925	6,838	7,430	
			9 α ,11 α - PGF _{2α}	6,052	4,674	225	470	
			PGE ₂	374	980	0	0	
2	18/F	38.3	5-iso PGF _{2α}	17,943	13,271	1,156	661	
			8-iso PGF _{2α}	1,570	659	1,163	909	
			F2-isoprostanes	19,513	13,930	2,319	1,570	
			9 α ,11 α - PGF _{2α}	2,532	547	540	320	
			PGE ₂	4,979	3,328	4,392	4,587	
3	31/F	47.5	5-iso PGF _{2α}	n.d.	n.d.	n.d.	n.d.	
			8-iso PGF _{2α}	5,609	2,613	6,083	2,785	
			F2-isoprostanes	5,609	2,613	6,083	2,785	
			9 α ,11 α - PGF _{2α}	3,899	1,185	2,522	5,097	
			PGE ₂	555	385	390	455	
4	35/M	47.4	5-iso PGF _{2α}	2,031	2,126	2,570	1,084	
			8-iso PGF _{2α}	914	825	1,245	723	
			F2-isoprostanes	2,945	2,951	3,815	1,807	
			9 α ,11 α - PGF _{2α}	0	40	102	0	
			PGE ₂	0	0	0	0	
5	27/M	45.3	5-iso PGF _{2α}	366	478	691	557	
			8-iso PGF _{2α}	1,358	1,421	1,971	770	
			F2-isoprostanes	1,724	1,899	2,662	1,327	
			9 α ,11 α - PGF _{2α}	1,133	823	2,402	1,285	
			PGE ₂	1,109	0	6,122	484	
6	21/M	48.9	5-iso PGF _{2α}	1,633	1,998	1,374	811	
			8-iso PGF _{2α}	750	727	717	529	
			F2-isoprostanes	2,383	2,725	2,091	1,340	
			9 α ,11 α - PGF _{2α}	1,336	1,173	1,003	135	
			PGE ₂	459	0	0	0	
7	19/M	40.4	5-iso PGF _{2α}	3,260	3,229	629	2,975	
			8-iso PGF _{2α}	1,760	2,661	710	2,086	
			F2-isoprostanes	5,020	5,890	1,339	5,061	
			9 α ,11 α - PGF _{2α}	178	293	463	0	
			PGE ₂	0	0	0	0	
8	26/M	39.8	5-iso PGF _{2α}	3,041	3,396	6,886	2,525	
			8-iso PGF _{2α}	2,508	2,946	2,950	1,907	
			F2-isoprostanes	5,549	6,342	9,836	4,432	
			9 α ,11 α - PGF _{2α}	1,925	3,262	3,006	1,737	
			PGE ₂	466	2,436	1,181	0	
9	21/M	43.3	5-iso PGF _{2α}	340	354	191	158	
			8-iso PGF _{2α}	1,854	1,182	471	408	
			F2-isoprostanes	2,194	1,536	662	566	
			9 α ,11 α - PGF _{2α}	3,216	550	137	139	
			PGE ₂	0	0	615	0	
10	23/M	40.2	5-iso PGF _{2α}	453	312	945	527	
			8-iso PGF _{2α}	697	421	1,876	1,237	
			F2-isoprostanes	1,150	733	2,821	1,764	
			9 α ,11 α - PGF _{2α}	1.5	447	126	452	
			PGE ₂	5,312	5,377	7,721	2,417	
11	23/M	43	5-iso PGF _{2α}	145	288	311	512	
			8-iso PGF _{2α}	1,383	914	552	1,166	
			F2-isoprostanes	1,528	1,202	863	1,678	
			9 α ,11 α - PGF _{2α}	8,698	1,932	2,786	3,488	
			PGE ₂	0	0	0	0	
12	29/M	39.9	5-iso PGF _{2α}	n.d.	n.d.	n.d.	n.d.	
			8-iso PGF _{2α}	4,607	2,625	3,618	5,476	
			F2-isoprostanes	4,607	2,625	3,618	5,476	
			9 α ,11 α - PGF _{2α}	4,261	1,723	2,842	3,649	
			PGE ₂	865	0	1,776	0	
Mean \pm SD	24.14 \pm 1.89	42.09 \pm 1.00	5-iso PGF _{2α}	3,722 \pm 1,513	2,838 \pm 1,061 ($p=0.92$)	1,860 \pm 574 ($p=0.85$)	1,481 \pm 423 ($p=0.06$)	
			8-iso PGF _{2α}	2,004 \pm 429	1,416 \pm 282 ($p=0.06$)	2,029 \pm 457 ($p=1.00$)	1,702 \pm 392 ($p=0.42$)	
			Sum of F2-isoprostanes	5,117 \pm 1,405	3,781 \pm 999 ($p=0.20$)	3,579 \pm 756 ($p=0.52$)	2,936 \pm 591 ($p=0.03$)*	
			9 α ,11 α - PGF _{2α}	2,769 \pm 732	1,387 \pm 377 ($p=0.05$)*	1,391 \pm 331 ($p=0.09$)	1,398 \pm 481 ($p=0.05$)*	
			PGE ₂	1,177 \pm 522	1,042 \pm 486 ($p=0.55$)	1,823 \pm 768 ($p=0.36$)	662 \pm 391 ($p=0.01$)*	

SD: standard deviation; SCORAD: SCORing Atopic Dermatitis; n.d.: not determined.