

## ORIGINAL REPORT

# Longitudinal Analyses of Early Lesions by Fluorescence: An Observational Study

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## APPENDIX

**Appendix Table 1.**

Characteristics of Lesions Based on Race, Gender, Baseline ICDAS Scores, and Baseline QLF Values

		All	Progressed	Not Progressed
<b>Age Mean (SD) (yrs)</b>		<b>9.7 (2.0)</b>	<b>9.4 (2.2)</b>	<b>9.8 (1.9)</b>
<b>Ethnicity in %</b>	Hispanic	90	86	92
	White	76	70	78
<b>Gender in %</b>	Female	53	59	49
<b>Baseline ICDAS in %</b>	Unrupted	17	11	20
	0	54	39	62
	1-I	4	7	3
	1-A	9	10	8
	2-I	<1	1	0
	2-A	11	21	6
	3	4	11	1
	4	1	1	1
<b>Baseline QLF Mean (SD)</b>	Area	3.5 (7.8)	5.1 (5.6)	2.5 (3.9)
	ΔF	12.5 (6.5)	16.3 (7.0)	10.3 (4.9)
	ΔQ	58.8 (104.6)	101.5 (134.6)	33.6 (70.8)

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**Appendix Table 2.** Baseline QLF Mean (SE) Values for Area,  $\Delta F$ , and  $\Delta Q$  According to Surface and Baseline ICDAS Scores

Surface	ICDAS*	Area	$\Delta F$	$\Delta Q$
B	0	1.2 (0.3)	11.8 (0.4)	18.6 (6.7)
	1-A	1.2 (0.3)	11.8 (0.5)	17.4 (7.8)
	1-I	1.3 (0.4)	11.9 (0.6)	19.1 (8.7)
	2-A	1.3 (0.3)	12.3 (0.5)	20.0 (8.0)
	2-I	1.5 (0.4)	12.4 (0.7)	21.3 (9.6)
	3	1.9 (0.6)	14.2 (1.0)	38.6 (14.7)
	4	1.1 (1.6)	19.7 (3.0)	30.6 (39.3)
L	0	1.3 (0.3)	12.6 (0.4)	25.7 (7.4)
	1-A	1.2 (0.4)	11.8 (0.6)	22.0 (9.6)
	1-I	1.4 (0.4)	12.7 (0.6)	26.8 (9.3)
	2-A	1.3 (0.4)	14.4 (0.7)	29.1 (9.9)
	2-I	1.4 (0.5)	13.9 (0.9)	28.8 (12.4)
	3	1.3 (0.7)	15.3 (1.3)	26.6 (18)
	4	1.3 (1.6)	9.2 (3.0)	22.0 (39.4)
O	0	5.2 (0.2)	13.4 (0.3)	89.6 (4.6)
	1-A	5.5 (0.2)	14.2 (0.3)	92.7 (4.7)
	1-I	5.7 (0.2)	14.9 (0.3)	103.2 (5.0)
	2-A	6.2 (0.2)	16.4 (0.3)	119.5 (4.7)
	2-I	6.1 (0.3)	16.3 (0.6)	116.1 (8.0)
	3	6.7 (0.2)	18.5 (0.3)	144.6 (4.9)
	4	6.8 (0.2)	18.6 (0.4)	157.1 (5.8)

**Appendix Table 3.**  
Regression Line Slopes for Area,  $\Delta F$ , and  $\Delta Q$  According to Surface and Baseline ICDAS Scores

		Surface						Baseline ICDAS Score*						
		All Surfaces	Buccal	Lingual	Occlusal	Unrupted	Sound	1-I	1-A	2-I	2-A	3	4	
Area	No Progression	0.05	0.03	0.03	0.07	0.21	0.03	-0.04	0.05		0.12	0.08	-0.06	
	Progression	0.21	0.08	0.08	0.27	0.34	0.10	0.16	0.31	0.26	0.35	0.21		
$\Delta F$	No Progression	0.19	0.10	0.15	0.24	0.48	0.14	-0.09	0.32	-	0.30	0.21	0.22	
	Progression	0.86	0.67	0.70	0.95	1.44	0.67	0.48	1.18	1.00	0.93	0.52		
$\Delta Q$	No Progression	1.58	0.45	0.53	2.40	5.51	0.75	-0.71	2.89	-	3.55	3.84	7.52	
	Progression	10.40	2.91	3.50	14.08	13.09	4.37	4.77	17.99	6.77	13.25	22.83	16.39	