Supplemental Table: EREFS scores at baseline and post-treatment, as stratified by baseline dilation status

	No dilation at baseline (n = 46)			Dilation at baseline (n = 21)		
	EoE baseline	EoE post-treatment	p*	EoE baseline	EoE post-treatment	p*
EREFS scores						
Exudates						
0	21 (46)	36 (79)	0.004	13 (62)	15 (71)	0.57
1	14 (30)	7 (15)		5 (24)	5 (24)	
2	11 (24)	3 (6)		3 (14)	1 (5)	
Mean (±SD)	0.78 ± 0.81	0.28 ± 0.58	< 0.001	0.52 ± 0.75	0.33 ± 0.58	0.33
Rings						
0	11 (24)	27 (59)	< 0.001	4 (19)	4 (19)	0.04
1	22 (48)	17 (37)		5 (24)	12 (57)	
2	13 (28)	2 (4)		7 (33)	5 (23)	
3	0 (0)	0 (0)		5 (24)	0 (0)	
Mean (±SD)	1.04 ± 0.73	0.46 ± 0.59	< 0.001	1.62 ± 1.07	1.05 ± 0.67	0.004
Edema						
0	18 (39)	36 (78)	< 0.001	7 (33)	12 (57)	0.12
1	28 (61)	10 (22)		14 (67)	9 (43)	
Mean (±SD)	0.61 ± 0.49	0.22 ± 0.42	< 0.001	0.67 ± 0.48	0.43 ± 0.51	0.10
Furrows						
0	5 (11)	26 (57)	< 0.001	2 (10)	9 (42)	0.047
1	32 (70)	18 (39)		15 (71)	10 (48)	
2	9 (19)	2 (4)		4 (19)	2 (10)	
Mean (±SD)	1.09 ± 0.55	0.48 ± 0.59	<0.001	1.09 ± 0.54	0.67 ± 0.66	0.02
Stricture						
0	44 (96)	39 (85)	0.08	7 (33)	11 (52)	0.21
1	2 (4)	7 (15)		14 (67)	10 (48)	
Mean (±SD)**	0.04 ± 0.21	0.15 ± 0.36	0.06	0.63 ± 0.49	0.45 ± 0.51	0.26
Stricture (mean mm ± SD)	13.3 ± 3.4	14.6 ± 1.8	--	8.9 ± 3.8	12.1 ± 3.4	0.04
Inflammatory score (mean ± SD)	2.48 ± 1.44	0.98 ± 1.18	< 0.001	2.29 ± 1.38	1.43 ± 1.36	0.03
Fibrostenotic score (mean ± SD)	1.09 ± 0.78	0.61 ± 0.74	< 0.001	2.29 ± 1.27	1.52 ± 0.87	0.006
Total score (mean ± SD)	3.57 ± 1.88	1.59 ± 1.45	< 0.001	4.57 ± 2.42	2.95 ± 2.01	0.01

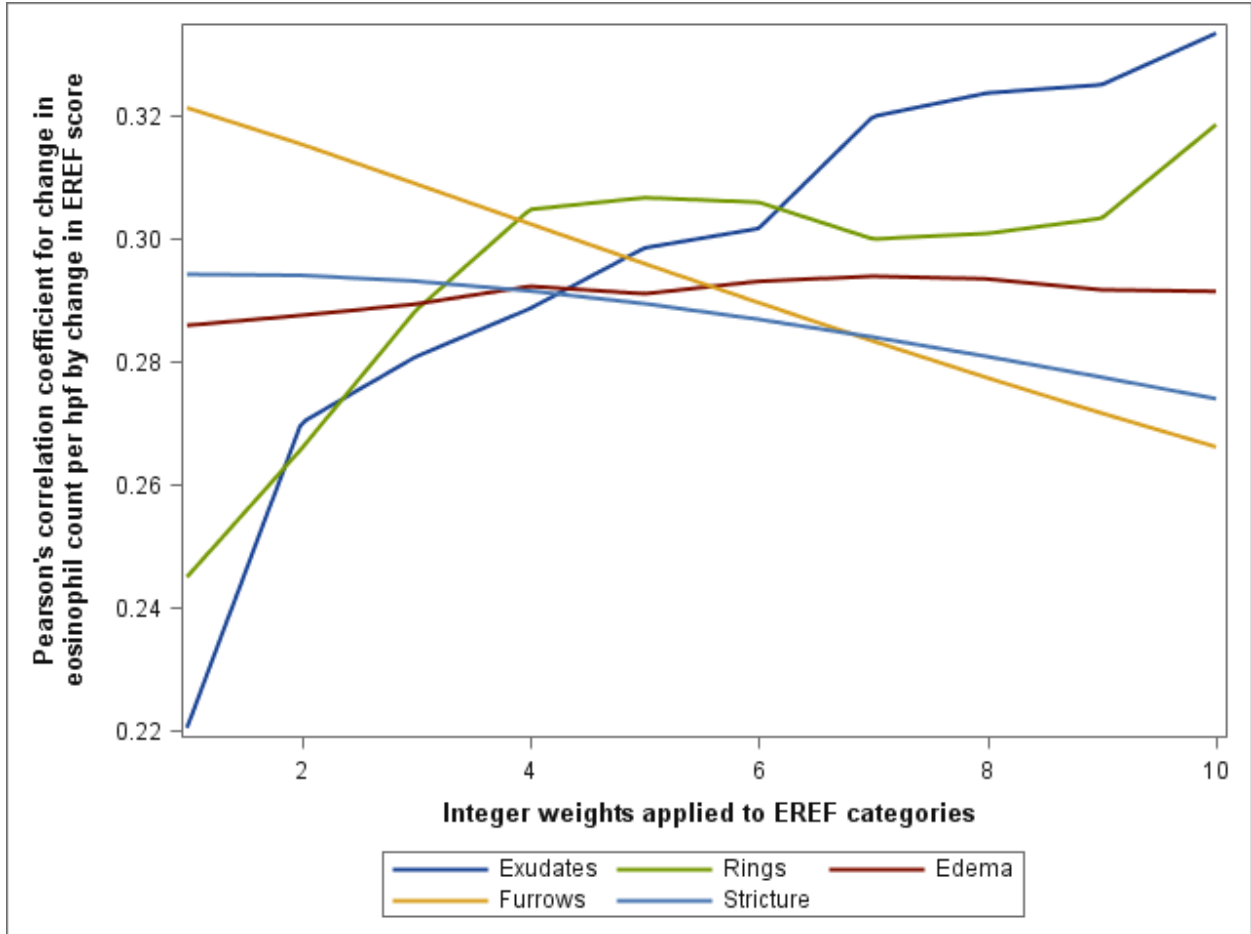* Proportions are compared with chi-square; means are compared with a paired t-test
** Too few paired data for a statistical comparison
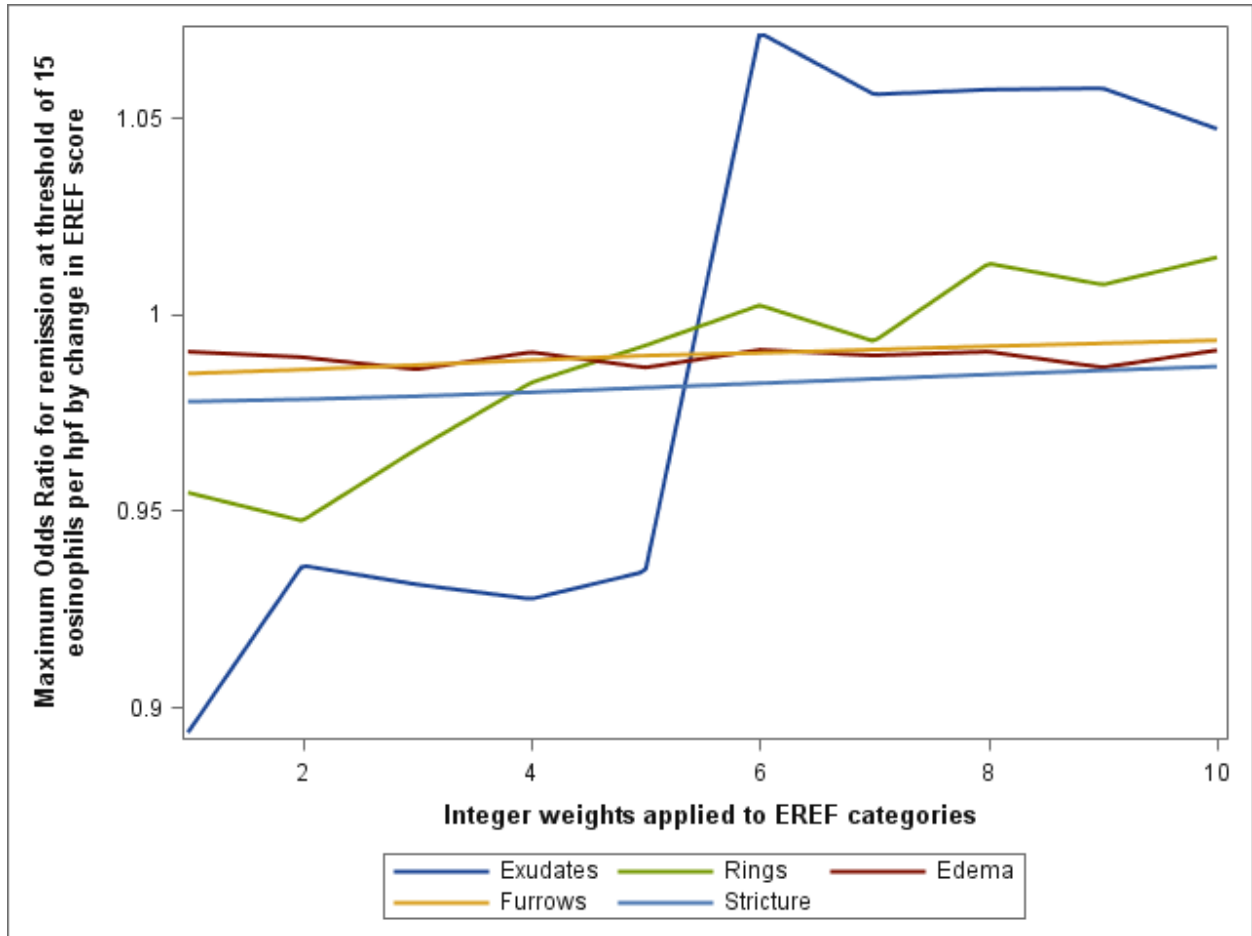
Supplemental Figure Legend

Supplemental Figure 1. Results of the iterative analysis for alternative weights for the EREFS

score. Assessment of the association between a change in EREFS score and histologic response

for all possible combinations of the EREFS score using **(A)** the eosinophil count as a continuous

variable using Pearson correlation coefficients and **(B)** a threshold of 15 eos/hpf using odds ratio.

Each line represents the association between change in EREFS score and change in eosinophil

count at a given category weight. Categories that performed better with higher weights generally

had an upward slope, while those that performed better with lower weights had a downward

slope.

Supplemental Figure 2. Determination of change in the EREFS score from baseline (black

bars) to post-treatment (gray bars) for a number of potential weighting schemes.

Supplemental Figure 1A

Supplemental Figure 1B

Supplemental Figure 2