

	Pre 1 st CXL	Post 1 st CXL (3 months)	Change from 1 st CXL	P-value	Pre 2 nd CXL	Post 2 nd CXL (3 months)	Post 2nd CXL (latest)	Change from 2 nd CXL	P-value	Pre 1 st CXL (previous study)	Post 1 st CXL (previous study)	Change from 1 st CXL (previous study)	P-value
K1 (D)	45.9 (4.3)	45.8 (3.8)	-0.3 (2.7)	0.64	48.2 (5.4)	47.9 (5.1)	46.9 (5.1)	-1.3 (1.9)	0.31	46.4 (4.3)	46.1 (3.9)	-0.4 (2.1)	0.03*
K2 (D)	50.5 (6.4)	50.3 (4.0)	-0.5 (3.5)	0.42	52.6 (5.9)	52.3 (5.4)	51.3 (5.9)	-1.3 (2.1)	0.29	50.2 (5.1)	49.8 (4.9)	-0.5 (2.7)	0.007*
Kmax (D)	57.9 (6.1)	57.3 (5.5)	-0.01 (2.4)	0.40	59.5 (5.4)	60.4 (4.5)	59.5 (5.4)	-1.2 (3.9)	0.20	55.3 (6.4)	54.7 (5.9)	-0.7 (4.4)	0.22
Thinnest pachymet	459.1 (40.9)	451.1 (35.2)	-5.3 (23.3)	0.90	436.2 (44.3)	426.8 (35.8)	413.6 (50.6)	-22.6 (47.4)	0.06	454.1 (41.0)	447.1 (49.5)	-7.7 (24.7)	0.00001*

ry (μm)													
BCVA	0.22	0.16	-0.09	0.005*	0.32	0.25	N/A	-0.04	0.70	N/A	N/A	-0.05 (0.13)	0.04*
(logMAR)	(0.20)	(0.16)	(0.19)		(0.17)	(0.22)		(0.17)					

Supplementary Table: Comparing results of the present study of repeated corneal collagen cross-linking (CXL) with those of the previously published Leeds experience of primary CXL. All figures represent means, followed by standard deviations in parentheses. All figures are rounded to one decimal place except for best corrected visual acuity (BCVA), which is rounded to two. Changes (the pale grey columns) are calculated from pre- and post- CXL. Each p-value column (dark grey) pertains to the statistical comparison between the two change columns (pale grey) to the left of it. The asterisks represent the attainment of statistical significance.