

## TABLES

**Table 1: Mean differences and confidence intervals for repeatability of Lipiview and NIKBUT at each visit between right and left eye at visits A and B.**

Measure	Mean difference	CoR	Limits of agreement		Significance (p)
			Lower limits	Upper limits	
Lipiview average (nm)	1.1	20.1	21.6	-9.2	0.58
Lipiview maximum (nm)	5.6	33.9	40.2	-11.6	0.11
Lipiview minimum (nm)	6.6	38.4	45.8	-13.0	0.13
NIK BUT-1 (seconds)	0.5	9.2	9.9	-4.2	0.50
NIK BUT-average (seconds)	0.7	10.9	11.8	-4.9	0.32

**Table 2: Repeatability between baseline visits A and B. Right eye and left eye data averaged for each visit for the Lipiview and NIKBUT measures.**

Visits	Mean difference	CoR	Limits of agreement		Significance (p)
			Lower limits	Upper limits	
Basal tear flow rate ( $\mu$ L/min)	-0.01	0.46	0.46	-0.48	0.98
Tear fern (grade)	0.2	2.0	2.2	-1.8	0.36
Tear fern (objective)	<0.01	2.2	-2.2	2.2	0.64
Lipiview average (nm)	0.0	42.4	43.3	-43.2	1.00
Lipiview maximum (nm)	0.6	41.6	43.0	-41.8	0.90
Lipiview minimum (nm)	-4.4	42.9	39.3	-48.2	0.40
NIK BUT-1 (seconds)	-0.4	11.9	11.7	-12.5	0.77
NIK BUT-average (seconds)	-1.1	9.2	8.3	-10.5	0.33

**Table 3: Tear parameters before and after instillation of Refresh Plus. Visits A and B (both before Refresh Plus instillation) were averaged to yield baseline results**

Visits	Baseline	Refresh Plus	Significance (p)
Basal tear flow rate ( $\mu$ L/min)	0.5 $\pm$ 0.2	0.4 $\pm$ 0.3	0.97
Tear fern (grade)	1.5 $\pm$ 0.6	1.7 $\pm$ 1.0	0.57
Tear fern (objective)	1.4 $\pm$ 0.9	1.4 $\pm$ 0.8	0.82
Lipiview average (nm)	64.2 $\pm$ 15.8	59.4 $\pm$ 17.5	0.06
Lipiview maximum (nm)	77.1 $\pm$ 14.1	70.0 $\pm$ 15.4	0.53
Lipiview minimum (nm)	53.8 $\pm$ 12.9	52.1 $\pm$ 17.2	0.39
NIK BUT-1 (seconds)	7.8 $\pm$ 2.9	7.5 $\pm$ 2.6	0.61
NIK BUT-average (seconds)	10.1 $\pm$ 3.4	11.2 $\pm$ 5.0	0.39

**Table 4: Correlation between tear parameters at baseline visits**

		Lipiview average	Lipiview maximum	Lipiview minimum	NIK BUT -1	NIK BUT - average	Tear ferning subjective grade	Tear ferning objective grade	OSDI
<b>Lipiview Average</b>	Pearson Correlation		<b>0.90</b>	<b>0.93</b>	0.23	0.21	0.06	-0.08	-0.15
	Sig. (2-tailed)		<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.18	0.22	0.71	0.62	0.38
<b>Lipiview Maximum</b>	Pearson Correlation	<b>0.90</b>		<b>0.85</b>	0.28	<b>0.33</b>	0.02	-0.11	0.00
	Sig. (2-tailed)	<b>&lt;0.001</b>		<b>&lt;0.001</b>	0.10	<b>0.05</b>	0.89	0.509	0.98
<b>Lipiview Minimum</b>	Pearson Correlation	<b>0.93</b>	<b>0.85</b>		0.17	0.17	0.10	-0.07	-0.08
	Sig. (2-tailed)	<b>&lt;0.001</b>	<b>&lt;0.001</b>		0.31	0.33	0.56	0.70	0.63
<b>NIK BUT -1</b>	Pearson Correlation	0.23	0.28	0.17		<b>0.85</b>	-0.17	-0.17	0.00
	Sig. (2-tailed)	0.18	0.10	0.31		<b>&lt;0.001</b>	0.31	0.33	0.98
<b>NIK BUT -average</b>	Pearson Correlation	0.21	<b>0.33</b>	0.17	<b>0.85</b>		-0.12	-0.21	-0.09
	Sig. (2-tailed)	0.22	<b>0.05</b>	0.33	<b>&lt;0.001</b>		0.48	0.21	0.59
<b>Tear fern subjective</b>	Pearson Correlation	0.06	0.02	0.10	-0.17	-0.12		0.56	-0.13
	Sig. (2-tailed)	0.71	0.89	0.56	0.31	0.48		<b>&lt;0.001</b>	0.46
<b>Tear fern objective</b>	Pearson Correlation	-0.08	-0.11	-0.07	-0.17	-0.21	0.56		0.08
	Sig. (2-tailed)	0.62	0.509	0.70	0.33	0.21	<b>&lt;0.001</b>		0.76
<b>OSDI</b>	Pearson Correlation	-0.15	0.00	-0.08	0.00	-0.09	-0.13	0.08	
	Sig. (2-tailed)	0.38	0.98	0.63	0.98	0.59	0.46	0.76	