**Supplementary Table S1.** Corneal sensitivity and corneal confocal microscopy parameters in SLE patients with and without lupus nephritis (LN).

|                                   | With LN (n=11) | Without LN (n=28) | P value |
|-----------------------------------|----------------|--------------------|---------|
| Central corneal sensitivity (cm), median (IQR) | 6.0 (5.5 – 6.0) | 6.0 (5.5 – 6.0) | 0.656*  |
| CNFD (no./mm²), mean ± SD          | 35.4 ± 5.8     | 31.4 ± 8.2        | 0.147†  |
| CNBD (no./mm²), median (IQR)       | 50.0 (43.8 – 81.3) | 49.0 (38.0 – 62.5) | 0.528*  |
| CNFL (mm/mm²), mean ± SD           | 21.5 ± 3.6     | 19.9 ± 4.4        | 0.278†  |
| LC density (no./mm²), median (IQR)  | 20.8 (12.5 – 83.3) | 13.6 (2.6 – 44.3) | 0.233*  |
| Mature LC density (no./mm²), median (IQR) | 2.1 (0 – 12.5) | 2.1 (0 – 12.0) | 0.794*  |
| Immature LC density (no./mm²), median (IQR) | 20.8 (2.1 – 45.8) | 9.4 (0.5 – 24.0) | 0.132*  |

Abbreviations: CNFD, corneal nerve fiber density; CNBD, corneal nerve branch density; CNFL, corneal nerve fiber length; LC, Langerhans cell.

* Mann-Whitney U-test. † Independent samples t-test.
**Supplementary Table S2.** Corneal sensitivity and corneal confocal microscopy parameters in subgroups of SLE patients with a Schirmer’s score of 6-10 mm and > 10 mm.

|                          | Schirmer’s test | Schirmer’s test | P value |
|--------------------------|-----------------|-----------------|---------|
|                          | 6-10 mm (n=10)  | >10 mm (n=29)   |         |
| Central corneal sensitivity (cm), median (IQR) | 5.8 (5.4 – 6.0) | 6.0 (5.5 – 6.0) | 0.272*  |
| CNFD (no./mm²), mean ± SD | 32.9 ± 8.4      | 32.4 ± 7.6      | 0.858†  |
| CNBD (no./mm²), median (IQR) | 42.7 (38.0 – 70.8) | 49.9 (38.5 – 61.5) | 0.788*  |
| CNFL (mm/mm²), mean ± SD   | 20.3 ± 4.8      | 20.3 ± 4.1      | 0.982†  |
| LC density (no./mm²), median (IQR) | 13.6 (3.2 – 31.8) | 18.7 (4.2 – 54.1) | 0.437*  |
| Mature LC density (no./mm²), median (IQR) | 2.1 (0 – 12.5) | 2.1 (0 – 11.5) | 0.740*  |
| Immature LC density (no./mm²), median (IQR) | 8.3 (1.6 – 25.5) | 12.5 (2.1 – 43.8) | 0.536*  |

Abbreviations: CNFD, corneal nerve fiber density; CNBD, corneal nerve branch density; CNFL, corneal nerve fiber length; LC, Langerhans cell.

* Mann-Whitney U-test. † Independent samples t-test.