

1 **Table 2**

| Characteristics | | Overall (n=200) | % / SD | Liverpool (n=50) | % / SD | Newcastle (n=50) | % / SD | Baltimore (n=50) | % / SD | Dublin (n=50) | % / SD |
|--|--------------|--------------------|---------|---------------------|--------|---------------------|--------|---------------------|---------|------------------|--------|
| Male gender | | 132 | 66.0% | 41 | 82.0% | 33 | 66.0% | 24 | 48.0% | 34 | 68.0% |
| Mean age | | 30.2 | SD 11.3 | 27.0 | SD 9.8 | 26.8 | SD 9.5 | 38.0 | SD 13.3 | 28.8 | SD 8.3 |
| University degree | | 76 | 38.0% | 27 | 54.0% | 10 | 20.0% | 17 | 34.0% | 22 | 44.0% |
| Medical education, self-reported | | 20 | 10.0% | 2 | 4.0% | 4 | 8.0% | 8 | 16.0% | 6 | 12.0% |
| Keratoconus in social environment | Parents | 12 | 6.0% | 5 | 10.0% | 1 | 2.0% | 4 | 8.0% | 2 | 4.0% |
| | Grandparents | 2 | 1.0% | 0 | 0% | 2 | 4.0% | 0 | 0% | 0 | 0% |
| | Siblings | 15 | 7.5% | 2 | 4.0% | 3 | 6.0% | 4 | 8.0% | 6 | 12.0% |
| | Children | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| | Uncle/aunt | 3 | 1.5% | 1 | 2.0% | 0 | 0% | 1 | 2.0% | 1 | 2.0% |
| | Cousin | 3 | 1.5% | 1 | 2.0% | 1 | 2.0% | 0 | 0% | 1 | 2.0% |
| | Partner | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |

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|---|----------------------------|------|---------|------|---------|------|---------|------|---------|------|---------|
| | Friends | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Affected eye | Right | 176 | 88.0% | 43 | 86.0% | 43 | 86.0% | 42 | 92.0% | 44 | 88.0% |
| | Left | 183 | 91.5% | 42 | 84.0% | 45 | 90.0% | 48 | 96.0% | 48 | 96.0% |
| | Both | 80 | 40.0% | 36 | 72.0% | 38 | 76.0% | 44 | 88.0% | 42 | 84.0% |
| Ways of improving visual acuity | None | 38 | 19.0% | 9 | 18.0% | 4 | 8.0% | 13 | 26.0% | 12 | 24.0% |
| | Glasses | 124 | 62.0% | 32 | 64.0% | 39 | 78.0% | 22 | 44.0% | 31 | 62.0% |
| | Hard contact lenses | 55 | 27.5% | 11 | 22.0% | 10 | 20.0% | 22 | 44.0% | 12 | 24.0% |
| Surgical interventions | Corneal Crosslinking | 94 | 47.0% | 30 | 60.0% | 11 | 22.0% | 10 | 20.0% | 43 | 86.0% |
| | Corneal transplant | 21 | 10.5% | 4 | 9.0% | 3 | 6.0% | 12 | 24.0% | 2 | 4.0% |
| | Intracorneal ring segments | 1 | 0.5% | 1 | 2.0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Best corrected visual acuity (Snellen Chart) | Right | 0.32 | SD 0.42 | 0.34 | SD 0.35 | 0.16 | SD 0.33 | 0.45 | SD 0.48 | 0.33 | SD 0.44 |
| | Left | 0.36 | SD 0.43 | 0.46 | SD 0.55 | 0.19 | SD 0.27 | 0.46 | SD 0.45 | 0.34 | SD 0.37 |

| | | | | | | | | | | | |
|---------------------------------------|-------|------|---------|------|---------|------|---------|------|--------|--------|--------|
| Belin-Ambrosio Deviation Score | Right | 8.8 | SD 7.7 | 9.3 | SD 7.8 | 7.9 | SD 5.8 | * | 9.2 | SD 9.2 | |
| | Left | 9.9 | SD 8.4 | 10.2 | SD 10.7 | 9.6 | SD 6.4 | * | 9.8 | SD 7.7 | |
| Maximum keratometry (Kmax) | Right | 55.2 | SD 9.9 | 56.0 | SD 11.4 | 56.1 | SD 10.7 | 51.8 | SD 7.4 | 55.6 | SD 8.4 |
| | Left | 56.5 | SD 11.1 | 55.7 | SD 11.8 | 60.0 | SD 13.1 | 50.7 | SD 7.2 | 57.2 | SD 8.8 |

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3 *No access to Pentacam at this cite