**Supplement Material 2.** Microbiological profile isolated from infectious keratitis after refractive surgery

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| **Organism** | **Number** | **Percentage** | **Type of refractive surgery** |
| *Staphylococcus aureus* | 69 | 26.0% | AK (1), PRK (35), LASIK (21), ICRS (6), LASEK (3), SMILE (1), Epi-LASIK (2) |
| *Mycobacterium* | 62 | 24.1% | LASIK |
| *Coagulase-negative Staphylococcus* | 24 | 8.9% | RK (1), AK (1), PRK (8), LASIK (2), ICRS (11), LASEK (1) |
| *Aspergillus* | 14 | 5.4% | RK (1), LASIK (11),  SMILE (2) |
| *Streptococcus pneumoniae* | 10 | 3.9% | PRK (7), ICRS (1),  SMILE (2) |
| *Pseudomonas* | 8 | 3.2% | AK (1), PRK (1), LASIK (4),  ICRS (1), LASEK (1) |
| *Nocardia* | 5 | 1.9% | PRK (3), LASIK (1),  ICRS (1) |
| *Acanthamoeba* | 4 | 1.6% | RK (1), LASIK (2), PRK (1) |
| *Fusarium* | 4 | 1.6% | PRK (3), LASIK (1) |
| *Serratia marcescens* | 4 | 1.6% | PRK (1), LASIK (3) |
| *Diphtheroids* | 3 | 1.2% | RK (2), LASIK (1) |
| *Curvularia* | 3 | 1.2% | LASIK |
| *Acremonium* | 3 | 1.2% | LASIK |
| *Candida* | 3 | 1.2% | LASIK (2), LASEK (1) |
| *Scopulariopsis* | 2 | 0.8% | PRK (1), LASIK (1) |
| *Alternaria* | 2 | 0.8% | LASIK |
| *Propionibacterium* | 2 | 0.8% | LASIK |
| *Achromobacter xylosoxidans* | 2 | 0.8% | LASIK |
| **Others** | 18 | 7.1% |  |
| **Polymicrobial** | 10 | 4.0% |  |
| *Mycobacterium*, *Staphylococcus* sp. | 2 | 0.8% | LASIK |
| *Mycobacterium*, *Nocardia* sp. | 2 | 0.8% | LASIK |
| *Fusarium*, *Galactomyces geotrichum* | 2 | 0.8% | LASIK |
| *Acremonium*, *Staphylococcus* sp. | 1 | 0.4% | LASIK |
| *Acanthamoeba*, *Streptococcus* sp. | 1 | 0.4% | LASIK |
| *Pseudomonas aeruginosa, coagulase-negative Staphylococcus* | 1 | 0.4% | AK |
| *Coagulase-negative Staphylococcus, Corynebacterium* | 1 | 0.4% | AK |

\*The species less than 2 were merged into others.