

Supplementary Data

Table S1: Coagulase negative staphylococcus isolates. CIM: Corneal impression membrane.

Isolated Organism	Corneal Scrapes (n=1,214)	CIM (n=1,885)	P-value
<i>S. epidermidis</i>	26 (2.1%)	493 (26.2%)	<0.001
<i>S. caprae</i>	0	1 (0.05%)	1.0
<i>S. capitis</i>	5 (0.4%)	49 (2.6%)	<0.001
<i>S. haemolyticus</i>	0	8 (0.4%)	0.624
<i>S. hominis</i>	8 (0.7%)	28 (1.5%)	0.936
<i>S. lugdunensis</i>	1 (0.1%)	13 (0.7%)	0.182
<i>S. pasteurii</i>	1 (0.1%)	12 (0.6%)	0.504
<i>S. pellenkoferi</i>	0	2 (0.1%)	1.0
<i>S. saprophyticus</i>	2 (0.2%)	2 (0.1%)	1.0
<i>S. simulans</i>	0	2 (0.1%)	1.0
<i>S. warneri</i>	4 (0.3%)	31 (1.6%)	<0.001
Unclassified	31 (2.6%)	199 (10.6%)	<0.001

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Table S2: Corneal samples with mixed microorganism growth. CIM: corneal impression membrane; CNS: Coagulase-negative staphylococcus. ^a Other Gram-positive bacteria includes: *Micrococcus* spp., *Rothia* spp., *Aerococcus* spp., *Lysinibacillus* spp., *Corynebacterium* spp., *Diphtheroid* spp. and *Bacillus* spp. ^b Other Gram-negative bacteria includes: *Brevundimonas* spp., *Chryseobacterium* spp., *Acinetobacter* spp., *Haemophilus* spp., *Klebsiella* spp., *Pantoea* spp., *Proteus* sp., *Raoultella* spp., *Stenotrophomonas* spp. and *Alcaligenes* sp. ^c Other fungi includes: *Ulocladium* sp. and *Yeasts*.

	Corneal Scrapes (n=30)	CIM (n=272)	P-value
Nature of infection			
2 microorganisms isolated	26 (86.7%)	241 (88.6%)	0.75
3 microorganisms isolated	4 (13.3%)	30 (11.0%)	0.71
>3 microorganisms isolated	0	1 (0.4%)	1.00
Gram positive bacteria	29 (96.7%)	265 (97.4%)	0.81
CNS	20 (66.7%)	196 (72.1%)	
<i>S. aureus</i>	7 (23.3%)	59 (21.7%)	
<i>S. pneumoniae</i>	3 (10.0%)	15 (5.5%)	
Other <i>Streptococcus</i> species	4 (13.3%)	101 (37.1%)	
<i>Enterococcus</i> spp.	1 (3.3%)	13 (4.8%)	
Others ^a	7 (23.3%)	23 (8.5%)	
Gram negative	11 (36.7%)	75 (27.6%)	0.30
<i>Pseudomonas</i> spp.	3 (10.0%)	19 (7.0%)	
<i>Moraxella</i> spp.	4 (13.3%)	21 (7.7%)	
<i>E. coli</i>	0	9 (3.3%)	
<i>Serratia</i> spp.	0	10 (3.7%)	
Others ^b	5 (16.7%)	22 (8.1%)	
Fungi	3 (10.0%)	10 (3.7%)	0.13
<i>Candida</i> spp.	2 (6.7%)	3 (1.1%)	
<i>Pencillium</i> spp.	1 (3.3%)	3 (1.1%)	
<i>Aspergillus</i> spp.	0	2 (0.7%)	
Others ^c	0	2 (0.7%)	
Protozoa			
<i>Acanthamoeba</i> spp.	0	1 (0.4%)	1.00
Microbial growth patterns			
Only mixed Gram-positive bacterial growth	19 (63.3%)	203 (74.6%)	0.18
Only mixed Gram-negative bacterial growth	1 (3.3%)	9 (3.3%)	1.00
Mixed Gram-negative and Gram-positive bacterial growth	10 (33.3%)	71 (26.1%)	0.40
Mixed bacterial and fungal growth	3 (10.0%)	10 (3.7%)	0.13
Protozoa and bacterial growth	0	1 (0.4%)	1.00