

**Title: Rapid Pathogen Detection in Severe Infectious Keratitis:
Prospective Evaluation of Combined Multiplex PCR Panels *versus*
Standard Microbiology**

Running head: Multiplex PCR for the rapid microbiological diagnosis of infectious
keratitis

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Determinant	n (%) Mean (SD)
Gender	23 (100)
Male	10 (43.5)
Female	13 (56.5)
Age (years)	61 ($\pm$ 21.2)
Medical history	
Hypertension	12 (52.1)
Dyslipidemia	4 (17.4)
Diabetes	5 (21.7)
Contact lens wearer	9 (39.1)
Contaminating agent	0
History of corneal abcess	0
History of ophthalmic surgery*	3 (13)
Clinical characteristic	
Mean corneal abcess diameter (mm)	2.58 ($\pm$ 2.13)
Endothelial failure	14 (60.9)
Hypopion	4 (17.4)

Supplementary material : Patient demographics and baseline characteristics.

SD: Standard deviation; mm: millimeter. * penetrating keratoplasty, endothelial keratoplasty, and phacoemulsification, one case each