

Special Issue

Diagnosis and Management of Eye Infections

Message from the Guest Editor

Infectious keratitis (IK) is the leading cause of corneal blindness globally. A wide array of organisms, including bacteria, fungi, viruses have been implicated in the manifestation of IK. Currently, microscopy, culture, and sensitivity testing represent the most common diagnostic approach for IK. But this approach is challenged by several factors, including long diagnostic turnaround time, variably low culture positivity rate, and polymicrobial infection. Clinical metagenomic next-generation sequencing and artificial-intelligence-assisted technologies have demonstrated their potential in augmenting the diagnostic performance and accuracy for IK. In addition, emerging antimicrobial therapies such as antimicrobial peptides/host defense peptides, bacteriophage, and innovative drug delivery of antimicrobial therapy have recently demonstrated promise. The overarching aim of this Special Issue is to highlight various emerging diagnostic and therapeutic modalities for IK. All types of articles are welcome for submission.

Guest Editor

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