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fficacy of Riboflavin and Ultraviolet Light us, Methicillin-Resistant staphylococcus as Aeruginosa

; Hosam Attia, MD; Stephen Trokel, MD; Edward F. Smith, MD

009;25(9):S799-S802 <https://doi.org/10.3928/1081597X->

s been developed as a collagen cross-linking treatment for corneal used to treat infectious corneal ulcers with apparent favorable bacterial action of riboflavin alone, UV light alone, and the was tested on Staphylococcus aureus, methicillin-resistant S eruginosa.

ays were used. Ten plates were exposed to riboflavin (0.1% were exposed to UV light (365 nm) alone, and 10 plates were n and UV light. Fifteen agar plates with MRSA and 15 plates with P of each group were exposed to riboflavin, 5 plates of each group 5 plates of each group were exposed to a combination of riboflavin d for 24 hours and then analyzed.

showed no bacterial death. All S aureus and MRSA plates bacterial growth. Three of five P aeruginosa plates exposed to UV ; two of five P aeruginosa plates exposed to UV light alone showed to the combination of riboflavin and UV light showed bacterial

t is an effective modality to eradicate the bacteria S aureus,

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Eye Institute, Department of Ophthalmology (Schrier, Trokel), New nstate, Department of Ophthalmology (Greebel, Attia, Smith), s New York Harbor, Healthcare Brooklyn Ophthalmology Service

t in the materials presented herein.

ress of Corneal Cross-Linking; December 5–6, 2008; Dresden,

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