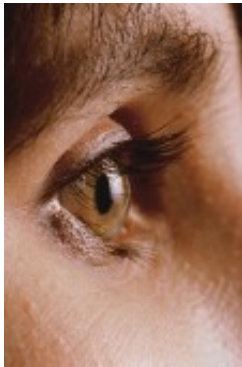


Bacterial biofilms identified in ocular prosthesis

5 August 2015



[prostheses](#) with biofilm, are required to further develop the findings of this study."

Adelaide Microscopy facilitated the SEM studies.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

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(HealthDay)—Bacterial biofilms are associated with ocular prostheses, according to a letter to the editor published in the August issue of *Clinical & Experimental Ophthalmology*.

Michelle T. Sun, M.B.B.S., from the South Australian Institute of Ophthalmology in Adelaide, and colleagues examined [biofilm](#) growth on ocular prostheses. The authors obtained a long-term ocular [prosthesis](#) from a patient undergoing a routine prosthesis change. The prosthesis had been in use for more than 10 years, and the patient did not report discomfort or ocular irritation. The prosthesis was imaged using scanning electron microscopy (SEM); an unused ocular prostheses was also imaged.

The researchers identified biofilm growth on SEM imaging, with small colonies of rod-shaped bacilli adherent to the surface of the prosthesis.

"Although the presence of biofilm growth has been demonstrated on multiple ocular implants and foreign bodies, our study represents the first, to the best of our knowledge, to identify biofilm growth on the surface of ocular prostheses," the authors write. "Ongoing studies involving culture and identification, as well as heat treatment of

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