

Novel treatment of papillomatous conjunctival lesions using pattern scanning laser photocoagulation: 1-Year results

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28 **Abstract**

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30 Purpose: To evaluate the safety and 1-year effect of pattern scanning laser photocoagulation treatment
31 for pedunculated papillomatous and sessile conjunctival lesions in a low-resource setting with extremely
32 limited operating room access.

33

34 Methods: Adult patients with clinical diagnosis of conjunctival papilloma underwent complete
35 ophthalmologic exam including anterior segment photography. After topical anesthesia and toluidine
36 blue 1% instillation, the lesion was treated by pattern scanning photocoagulation using a duration time
37 that varied from 20 to 100ms and power from 600 to 1800mW, treating the entire lesion surface with a
38 2mm margin. Patients were examined weekly for a month then monthly and underwent retreatment as
39 necessary.

40

41 Results: Six patients and seven eyes that had clinically significant non-malignant pedunculated or sessile
42 papillomatous lesions were treated. All lesions responded to treatment, with complete resolution after

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