

The spectrum of oculocutaneous disease

Part II. Neoplastic and drug-related causes of oculocutaneous disease

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After completing this learning activity, participants should be able to identify ocular symptoms associated with neoplastic and drug-related dermatologic disorders; recognize and differentiate the cutaneous manifestations of several ocular disorders; and order appropriate tasks and initiate timely referral to ophthalmologists and other subspecialists for early diagnosis, surveillance, and treatment of ocular disease.

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There are a multitude of diseases that commonly affect both the skin and the eye. Part II of this 2-part series reviews the oculocutaneous manifestations of neoplasms, both benign and malignant, and adverse drug reactions affecting the skin and the eye. Though rare, a number of neoplasms that primarily involve the skin, such as melanoma and basal cell carcinoma, can metastasize to the eye, leading to permanent damage if not properly treated. In addition, periocular neoplasms can irritate the conjunctiva and lid, reducing a patient's ability to see clearly. Neoplastic diseases, such as xeroderma pigmentosum, Sturge–Weber syndrome, and multiple myeloma, can also lead to permanent changes in the eye if not discovered and managed promptly. Furthermore, there are a multitude of drugs, including those commonly used by dermatologists, which can result in permanent damage to the eye. With proper knowledge of the ocular manifestations and treatment recommendations described in this 2-part series, dermatologists with the assistance of their ophthalmology colleagues can help avoid the complications, including permanent blindness, associated with infectious, inflammatory, genetic, neoplastic, and drug-related conditions. (J Am Acad Dermatol 2014;70:821.e1-19.)

Key words: basal cell nevus syndrome; cutaneous T-cell lymphoma; drug reactions; EGFR; inhibitor multiple myeloma; oculocutaneous; periocular neoplasm; PHACES; Stevens-Johnson Syndrome; Sturge Weber Syndrome; toxic epidermal necrolysis; xeroderma pigmentosum.

INTRODUCTION

There are multiple diseases that concomitantly affect the ocular and cutaneous organ systems as a result of their mutual ectodermal origin. Part I of this two-part CME article reviewed the full spectrum of infectious, inflammatory, and genetic diseases common to both these organs. Part II focuses on neoplastic and drug-related oculocutaneous manifestations with recommendations for appropriate diagnosis and treatment by dermatologists and referral as necessary to our ophthalmology colleagues. A summary of ocular manifestations can be found in [Tables I and II](#).

NEOPLASTIC

Benign

Squamous cell papilloma of the eyelid

Key points

- **Squamous cell papillomas are associated with human papillomavirus types 6 and 11**
- **Large periorbital lesions can induce astigmatism and are cosmetically unappealing**
- **Treatment involves intralesional interferon- α or surgical excision**

A squamous cell papilloma, also known as infectious conjunctival papilloma, is one of the most

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