ERUPTIVE KERATOACANTHOMAS SECONDARY TO NIVOLUMAB THERAPY

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Background Immune checkpoint inhibitors are increasingly being utilized for the treatment of advanced neoplastic disease and have been associated with wide-ranging cutaneous adverse effects. We detail a case of numerous eruptive keratoacanthomas arising in a patient one month after initiation of nivolumab for recurrent metastatic oropharyngeal squamous cell carcinoma.

Methods Treatment with multiple rounds of intralosional corticosteroids and a several month course of oral acitretin resulted in partial improvement. Subsequent treatment with intralosional 5-fluorouracil demonstrated near complete resolution of the keratoacanthomas without discontinuation of nivolumab.

Results Eruptive keratoacanthoma remains an exceptionally rare cutaneous adverse effect of ICI therapy, with 22 reported cases of keratoacanthoma resulting from PD-1/PD-L1 inhibitor use. Most of these were treated successfully with topical and intralosional corticosteroids, excision, or cryotherapy.

Conclusions Although eruptive keratoacanthomas secondary to immune checkpoint inhibitors is exceptionally rare, physicians should be aware of this cutaneous adverse effect as their use becomes more widespread. With appropriate treatment, symptoms can be managed without discontinuation of immunotherapy.

REFERENCES

Consent Written informed consent was obtained from the patient for publication of this abstract and any accompanying images. A copy of the written consent is available for review by the Editor of this journal.

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