PRACTICE | FIVE THINGS TO KNOW ABOUT ...

Oral lichen planus

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1 The oral cavity is commonly the first site of presentation for lichen planus

Lichen planus is an immune-mediated inflammatory condition leading to characteristic lesions on skin and mucous membranes. It presents in up to 5% of the general adult population with a female predilection (2:1); the onset is most commonly in middle age. ^{1,2} Up to 77% of patients with lichen planus have oral disease, with buccal mucosa the most common subsite. ² The oral lesions may be asymptomatic, although a subset of patients have pain and difficulty tolerating certain foods (e.g., acidic, spicy) and toothpaste. ²

2 Oral lesions may undergo malignant transformation
Although oral lichen planus is a benign disorder, 1.4% of oral cavity lesions undergo malignant transformation within 7 years.³ Risk factors for malignant transformation include ulceration, location on the tongue and female sex.³

3 Some variants of oral lichen planus may resemble premalignant lesions such as erythroplakia and leukoplakia

The reticular form of oral lichen planus manifests with characteristic striated, lacy hyperkeratosis (Figure 1). However, other variants may have erythema (atrophic form) or ulceration (erosive form).⁴ The characteristic erythema of the atrophic form may be misinterpreted as erythroplakia, although the latter is often a well-demarcated solitary lesion.⁴ The plaque form, which appears as multiple white, homogeneous elevated plaques, may be mistaken for leukoplakic lesions (Appendix 1, available at www. cmaj.ca/lookup/suppl/doi:10.1503/cmaj.200309/-/DC1).²

Biopsy is reserved for noncharacteristic lesions

reserved for recalcitrant cases.5

The diagnosis of oral lichen planus is often made based on characteristic clinical features (e.g., bilateral, symmetric striated hyperkeratosis).² Biopsy may be necessary if there is clinical concern for dysplasia (e.g., weeks-old nonhealing ulcer) or to exclude immunobullous mimickers (e.g., mucous membrane pemphigoid).¹

Symptom management is the mainstay of treatment Asymptomatic lesions do not require treatment.² However, annual followup to assess for transformation and self-resolution is warranted.^{2,5} For symptomatic patients, treatment involves maintaining oral hygiene; eliminating rough, jagged dental surfaces; and avoiding irritating foods. For substantial and lingering symptoms, topical corticosteroids (e.g., triamcinolone) are typically used. Topical calcineurin inhibitors, intralesional corticosteroid injections and systemic agents (e.g., prednisone) are



Figure 1: Classic keratotic reticular striae of the buccal mucosa in reticular-form oral lichen planus. Note that this pattern is often bilateral and symmetric.

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The patient has given written consent for the photograph to be used.

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