Sir,

Porokeratosis is a clonal disorder of keratinization that clinically manifests as centrifugally expanding, annular plaque(s) with a thready, ridge-like margin (often with a furrow), which histopathologically shows pathognomonic cornoid lamella.\(^1,2\) We report a clinically typical lesion of porokeratosis in the buccal mucosa of a patient with disseminated superficial porokeratosis.

A 26-year-old man presented with complaints of multiple, asymptomatic lesions involving the face, trunk, extremities and scrotum for 8 years. Individual lesions began as small papules gradually increasing to form small, annular, barely palpable plaques. There was no change in the lesion on sun exposure and no oral symptoms. His brother and maternal uncle also had similar lesions. There was no history suggestive of immunosuppression.

On examination, the face, extensor surfaces of upper and lower extremities, trunk, scrotum, proximal nail fold of the right fourth toe and left heel revealed multiple papules and plaques ranging from 0.5 to 2 cm in diameter [Figure 1a-c]. All the lesions were annular with a thready margin; a furrow was not discernable in most of the lesions and no central atrophy was observed. Oral examination revealed a similar solitary, annular plaque of about 2 cm \(\times\) 1.5 cm with a thready, white, elevated margin on the left buccal mucosa [Figure 1d]. The centre of the oral lesion was paler than the surrounding mucosa.

Biopsy from the annular lesion on the arm showed features of porokeratosis with a focal column of parakeratotic stratum corneum invaginating the epidermis, with lymphocytic exocytosis and a lympho-histiocytic infiltrate in the underlying upper dermis [Figure 2a and b]. The patient refused biopsy from the oral lesion. Serology for human immunodeficiency virus was non-reactive.

Porokeratosis is a genetic disorder that manifests clinically as annular plaques with a thready elevated border, often with a furrow. Depending on the location, size and distribution of lesions, several clinical variants including and porokeratosis of Mibelli, punctate porokeratosis, porokeratosis palmaris plantaris et disseminata linear porokeratosis disseminated superficial porokeratosis and its actinic variant are described. All these variants are unified histologically by the presence of a parakeratotic column (cornoid lamella) invaginating the epidermis.\(^1\) Disseminated superficial porokeratosis and its actinic variant are the most common types of porokeratosis with the former characterized by the involvement of both sun-protected (trunk, genitals, palms and soles) and sun-exposed areas of the body and the latter by occurrence of lesions predominantly on sun-exposed sites.\(^1\) Unlike the actinic variant which usually occurs in the third decade of life, disseminated superficial porokeratosis occurs more often in children and immunocompromised patients.\(^1\) Our patient had a later onset and there was no evidence of immunosuppression.

Oral involvement in porokeratosis is extremely uncommon. Of all the variants, it is seen most frequently in porokeratosis of Mibelli in which it has been reported to occur more commonly on the lips and tongue while involvement of buccal mucosa is decidedly rare [Table 1]. It has also been reported in porokeratosis palmaris, plantaris et disseminata.\(^10\) There is a prior report of oral lesions in a patient with disseminated superficial porokeratosis.\(^5\) This patient had a solitary plaque on the dorsum of the tongue, in addition to multiple small annular plaques in a generalized distribution, including lesions on the scrotum and penis [Table 1].\(^5\) Our patient also had similar involvement of the trunk, upper and lower limbs, and scrotum. The skin lesions were morphologically like disseminated superficial porokeratosis and the diagnosis was confirmed histologically. Although we could not biopsy the buccal...
lesion, the morphology of the lesion (annular plaque with a thready margin) was strikingly similar to that on the skin.

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Conflicts of interest
There are no conflicts of interest.

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Table 1: Reports of oral porokeratosis

| Author, year | Site, number of cases | Primary diagnosis |
|--------------|-----------------------|-------------------|
| Gangopadhyay, 1997 | Tongue (1) | Porokeratosis of Mibelli |
| Gangopadhyay, 2000 | Tongue (1) | Porokeratosis palmaris, plantaris et disseminata |
| Rosón et al., 2001 | Tongue (1) | Disseminated superficial porokeratosis |
| Vergara et al., 2002 | Lower lip (2) | Not mentioned |
| Darling et al., 2005 | Lower lip (1) | Porokeratosis of Mibelli |
| Hernández-Bel et al., 2010 | Lips (1) | Porokeratosis of Mibelli |
| Singh et al., 2014 | Lower lip, buccal mucosa (1) | Porokeratosis of Mibelli |
| Present study | Buccal mucosa (1) | Disseminated superficial porokeratosis |
Letters to the Editor

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