A 25-year-old woman presented with a large area of flesh-colored verrucous plaques following the lines of Blaschko on the left side of the body that had been present since 6 months of age. The plaques had been stable and grew proportionately with the patient's body until she reached 20 years of age when they began to thicken and enlarge. Her medical and family history was unremarkable. A shave biopsy revealed a papillomatous epidermis with 3 discrete foci of acantholytic dyskeratosis, with corps ronds and grains that were similar to the histologic findings of Darier disease (DD). Epidermolytic hyperkeratosis was not identified. Our patient's lack of a family history of DD, early-onset disease, and linear presentation along the lines of Blaschko all favored a diagnosis of acantholytic dyskeratotic epidermal nevi (ADEN) versus localized DD.

**Case Report**
A 25-year-old woman presented with a large area of flesh-colored verrucous plaques following the lines of Blaschko on the left side of the body that had been present since 6 months of age. The plaques had been stable and grew proportionately with the patient's body until she reached 20 years of age when they began to thicken and enlarge. Her medical and family history was unremarkable. A shave biopsy revealed a papillomatous epidermis with 3 discrete foci of acantholytic dyskeratosis, with corps ronds and grains that were similar to the histologic findings of Darier disease (DD). Epidermolytic hyperkeratosis was not identified. Our patient's lack of a family history of DD, early-onset disease, and linear presentation along the lines of Blaschko all favored a diagnosis of acantholytic dyskeratotic epidermal nevi (ADEN) versus localized DD.

**Comment**
Epidermal nevi arise from congenital epidermal malformations and are hamartomatous proliferations of the epithelium that commonly occur on the limbs.
following the lines of Blaschko.1 They usually present in the first year of life and can cause pruritus, erythema, and scaling, especially when present on the buttocks and lower extremities. Epidermal nevi also can occur in conjunction with other epidermal lesions, such as congenital hypopigmented macules, café au lait patches, and congenital nevocellular nevi.1

Ten histologic variants of the epidermal nevus are described in the literature, all sharing a common ectodermal derivation. A majority of the variants are characterized by acanthosis, papillomatosis, and hyperkeratosis. Less common patterns are acantholytic dyskeratotic epidermal nevi (ADEN), acrokeratosis verruciformis–like (Darier-like), seborrheic keratosis–like, psoriasiform, verrucoid, and porokeratosis-like.2 Acantholytic dyskeratosis is a histologic pattern characterized by acantholysis of the suprabasal layers of the epidermis with intraepidermal cleft formation and dyskeratotic keratinocytes in the form of corps ronds and grains with overlying parakeratosis and

**Figure 1.** Large area of flesh-colored verrucous plaques on the left side of the body of a 25-year-old woman following the lines of Blaschko (A and B).

**Figure 2.** Papillomatous epidermis with 3 individual foci of acantholytic dyskeratosis with the formation of corps ronds and grains (A and B)(H&E; original magnifications ×4 and ×20, respectively).

### Clinical Features

<table>
<thead>
<tr>
<th>Darier Disease</th>
<th>Acantholytic Dyskeratotic Epidermal Nevi</th>
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<tr>
<td>Autosomal-dominant inheritance</td>
<td>Negative family history</td>
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<tr>
<td>Greasy plaques in seborrheic distribution</td>
<td>Follow lines of Blaschko in linear distribution</td>
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<td>Punctate keratoses on palms and soles</td>
<td>Lack of other physical examination findings</td>
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<tr>
<td>Palmar and plantar pits</td>
<td>Younger age at onset</td>
</tr>
<tr>
<td>Longitudinal striations on nails</td>
<td>Older age at onset</td>
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Acantholytic Dyskeratosis

hyperkeratosis. These histologic findings often are indicative of DD but are not pathognomonic of the condition. This histologic pattern can be seen in other conditions including Grover disease, ADEN (Starink hamartoma), warty dyskeratoma, or acantholytic papular dermatosis.

Our patient's lack of a family history of DD, early-onset disease, and linear presentation along the lines of Blaschko all favored a diagnosis of ADEN versus localized DD. However, it has been suggested that ADEN represents a localized mosaic form of DD. It also has been shown that ADEN can be the result of a somatic mutation in ATP2A2, which is the same gene that is defective in DD. Darier disease typically presents at an older age and has a predilection for seborrheic areas, such as the head, neck, and trunk. The Table presents a comparison of DD and ADEN. Classification of ADEN versus mosaicism of DD is still a matter of debate.

REFERENCES