may irritate skin, facilitate the development of contact dermatitis or bacterial and mycological infections (1). BTXA has been used recently to treat focal hyperhidrosis (gustatory sweating, palmo-plantar and axillary hyperhidrosis) (4, 5). There are no data available for the treatment of stump hyperhidrosis. We used BTXA for stump hyperhidrosis in a dosage comparable to that used in palmar hyperhidrosis, i.e. 100 U of Botox®. The treatment was very effective not only for focal hyperhidrosis of the stump but it also showed a preventive effect on the associated eczema. In another study with tap water iontophoresis for hyperhidrotic hand eczema, it could be demonstrated that effective treatment of hyperhidrosis is an important factor for prolongation of disease-free interval in atopic eczema and contact dermatitis (9). Further studies should be performed to investigate this positive side-effect of hyperhidrosis treatment.

REFERENCES

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Uwe Wollina, Helga Konrad, Tim Graefe and Jens Thiele Department of Dermatology and Allergology, Friedrich-Schiller-University of Jena, Erfurter Strasse 35, D-07740 Jena, Germany. E-mail: uwol@derma.uni-jena.de.

Basal Cell Carcinoma Arising in a Localized Linear Verrucose Epidermal Naevus

Sir,
A 40-year-old female had had multiple, firm, brown verrucous papules arranged in a linear plaque over her left cheek since birth. The lesion had been static until 2 months before presentation, when she noticed an asymptomatic, erythematous papule that appeared spontaneously in the centre of the lesion. She had not received any treatment previously for the condition. Her general physical and systemic examination were within normal limits. Local examination revealed a 5 x 1 cm linear band-shaped plaque composed of multiple, 1 – 3 mm, brown verrucous papules over her left cheek. There was a single, firm, erythematous, dome-shaped, smooth-surfaced, 1.0 cm papule in the centre of the lesion (Fig. 1). A clinical diagnosis of localized linear verrucose epidermal naevus was made.

Biopsy from the centre of the lesion showed hyperkeratosis, parakeratosis, irregular acanthosis and papillomatosis. Budding of basaloid cells from the basal layer into the dermis was seen (Fig. 2). A histopathological diagnosis of verrucose epidermal naevus with basal cell carcinoma (BCC) change was considered. Excision biopsy of the remaining portion of the dome-shaped papule with an adequate margin revealed features of BCC. The section showed islands of basaloid cells with dense chronic inflammatory cell infiltrate in the dermal stroma (Fig. 3). The peripheral cells of the tumour had a palisading arrangement of nuclei, confirming the diagnosis of solid type of BCC change occurring in the verrucose epidermal naevus lesion. The patient has been on follow-up for the last 18 months with uneventful course.

DISCUSSION
Verrucose epidermal naevus are circumscribed developmental (hamartomatous) lesions comprised of keratinocytes (1). BCC is a known complication of epidermal naevi. It occurs more
frequently in naevus sebaceus and syringocystadenoma papilleferum, but rarely in verrucous epidermal naevi (1). To the best of our knowledge, only 7 case reports, comprising 8 patients (7 men and 1 woman), have so far been published in the world literature in which BCC appeared in a verrucous epidermal naevus (2 – 8). Five of these cases are from western countries and one from Japan. All of the patients had fair skin. Verrucous epidermal naevus was present on the exposed areas of the body in 5 patients (2, 4 – 6). The naevi were localized in 3 patients (4, 6) and extensive or generalized in 4 patients (2, 3, 5, 7). Multiple BCCs arose in 4 patients (3 – 6). In 3 patients, squamous cell carcinoma also developed along with BCC within the verrucous epidermal naevus (2, 3, 8). A history of preceding trauma, such as excision, electrocautery, nicks while shaving, and burns, was reported in many of these patients. The interval between such injuries and the appearance of BCC varied from 6 months to as long as 56 years (4, 6). Bleeding and appearance of a new nodule were the common presenting complaints. Histopathologically, pigmented, cystic and ulcerated variants of BCC were seen in these patients.

The patient described here was a housewife with no history of working outdoors for prolonged periods or of preceding trauma. There was no history of exposure to ionizing radiation or immunosuppression. Appearance of a new lesion prompted her to seek medical help. As the practice of dermatology is becoming more procedure-oriented, patients will be asking for and dermatologists will be offering and doing more excisions of such lesions. It is advocated that the excised lesion be subjected to histopathological examination to rule out malignant transformation, especially if there is a history of recent change in the appearance of the lesion. Complete excision of the localized type of verrucous epidermal naevus with an adequate margin is advised wherever feasible, as BCC may be clinically evident in only one portion, while histopathologically it may also be present elsewhere, as suspected in the case reported by Goldberg (6). Regular follow-up after excision is recommended in order to detect recurrence or residual tumour early on.

REFERENCES


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Arun Joshi1, Shatrughan P. Sah2, Arun Agarwalla1, Sudha Agrawal1 and Mary Jacob1
Departments of, 1Dermatology and Venereology and 2Pathology, BP Koirala Institute of Health Sciences, Dharan, Nepal.
E-mail: lovjosh@hotmail.com