Simultaneous Occurrence of Three Squamous Cell Carcinomas in a Recessive Dystrophic Epidermolysis Bullosa Patient

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Sir,
Squamous cell carcinoma (SCC) is a life-threatening and frequent complication in recessive dystrophic epidermolysis bullosa (RDEB) (1). SCC in RDEB usually develops between the fourth and fifth decades and predominantly on the extremities (2). We have identified three independent SCCs occurring on the extremities of an RDEB patient who had failed to undergo regular dermatological consultations.

CASE REPORT
A 44-year-old Japanese woman who had no history of parental consanguinity or family history of bullous disease consulted our hospital complaining of painful nodules on both her feet (Fig. 1). Her own history revealed that within a few days of birth she developed trauma-induced blisters with scarring. She was soon diagnosed by a dermatologist as having RDEB. Detailed examination later revealed a non-Hallopeau-Siemens RDEB subtype with G1815R and 5818delC mutations in COL7A1 (3). Despite appropriate dermatologic care, she was suffering from continuous widespread erosions over her limbs and back, extensive dystrophic scarring, alopecia, pseudosyndactyl fingers and toes, loose nails, oesophageal stenosis and dental caries. She had stopped regular medical examination spontaneously 20 years previously because her condition failed to improve. Histology of the dome-shaped painful masses on her right foot, the left medial malleolus and the left heel showed all three tumours to be invasive SCCs. They were treated by wide
excision followed by skin grafting. The patient has been followed up by a dermatologist for 3 years without signs of metastasis or local recurrences.

DISCUSSION
The most common cause of premature death in RDEB is SCC, which generally behaves aggressively and often metastasizes (1). The National Epidermolysis Bullosa Registry reports that 76.5% of Hallopeau-Siemens (HS) and 27.1% of non-HS RDEB patients experience at least one SCC by the age of 60 (4). Many patients with RDEB are regularly medically examined. As a consequence, early stages of SCC can be identified in the younger patients with RDEB and treated appropriately (5). Therefore, frequent whole body skin inspection with early sampling of suspicious lesions is an essential part of the management in patients with RDEB.

Too much emphasis on the possibility of developing carcinomas may cause patient disapproval and lead to the patients and their families losing hope for coping with this disabling disease. However, early and on-going patient education raising the awareness of developing SCC from ulcers and scars is necessary for all patients with RDEB. We should at least repeatedly advise them to keep in touch with their dermatologist and not to stop visiting completely.

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REFERENCES