Sir,

Annular elastolytic giant cell granuloma (AEGCG) (1) is a rare granulomatous skin disease, characterized by elastolysis, elastophagocytosis, and an abundance of multinucleated giant cells. Actinic granuloma (2) is generally involved in the entity of AEGCG (1), but is localized in chronically sun-exposed and damaged regions, while normally demonstrating solitary or multiple, typical annular lesions with erythematous raised borders, whereas AEGCG includes lesions showing a generalized distribution and involving both covered as well as sun-exposed areas (3). In addition, despite the word “annular”, AEGCG sometimes manifests itself in the form of numerous papules (3–5) and the associated erythematous patches do not always show typical annular lesions (6, 7); however, they rarely show diffuse erythematous patches with no special characteristics or reticular erythema (8–10). We herein report a case of AEGCG who demonstrated a generalized distribution of the lesions, and showed the presence of numerous papules as well as reticular erythema, while also demonstrating a rapid spontaneous regression.

CASE REPORT

A 62-year-old Japanese man presented with a 3-month history of erythematous lesions on his upper extremities and numerous papules on his trunk. He had a history of a gastrectomy due to a gastric ulcer 23 years previously. Examinations revealed diffuse and reticular erythematous plaques symmetrically on both the extensor and flexor aspects of both forearms partially involving the upper arms (Fig. 1A and B). In addition, numerous flesh-coloured to slightly brown, small lichenoid papules, measuring 1–2 mm in diameter, were found symmetrically on both sides of the abdomen extending to the waist and the lateral chest (Fig. 1A and D). These papular lesions were also found on the chest and upper back. Routine laboratory analyses were normal, except for the presence of mild, iron deficiency anaemia. Serum angiotensin converting enzyme was normal and antinuclear antibody was negative. An ophthalmological examination, chest X-ray, and a computed tomography scan of his chest, revealed normal findings, thus ruling out a diagnosis of sarcoidosis. Without any treatment, a complete spontaneous regression of both forms of the lesions was seen within one month (Fig. 1C and E).

Skin biopsies were obtained from the reticular erythema on the forearm and one of numerous papules on the abdominal side. A specimen of reticular erythema revealed a diffuse, band-like or patchy granulomatous infiltration composed of numerous multinucleated giant cells, histiocytes, and lymphocytes in the upper and middle dermis. Elastophagocytosis by multinucleated giant cells and histiocytes was often seen in both specimens. Moderate solar elastosis was observed in the reticular erythema lesion, whereas no obvious solar elastosis was seen in the papular lesion. There were no features of necrobiosis, palisading granuloma, or mucin deposition in either specimens. Elastica van Gieson’s stain highlighted the elastophagocytosis and the absence or decrease of elastic fibres in the areas neighbouring granulomatous infiltrates in both specimens (Fig. 2B). Multinucleated giant cells and histiocytes were immunohistochemically positive for CD68.

Fig. 1. (A) Diffuse and reticular erythematous plaques symmetrically presenting on the patient’s bilateral forearms partially involving the upper arms; and numerous flesh-coloured to slightly brown, small papules, distributed symmetrically on the abdominal side and the chest wall. (B) The reticular erythematous plaque on the extensor aspect of the right forearm after one month. (C) Complete, spontaneous regression of the reticular erythematous plaque on the right forearm after one month. (D) Numerous flesh-coloured to slightly brown, small, lichenoid papules, distributed on the right abdominal side extending to the waist and the lateral chest. The insert shows a close-up view of the papules. (E) Complete, spontaneous regression of the numerous papules, distributed on the right abdominal side after one month.

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Noriyuki Misago1, Yasuko Ohtsuka1, Kenji Ishii2 and Yutaka Narisawa1
Division of 1Dermatology, Department of Internal Medicine, and 2Department of General Medicine, Faculty of Medicine, Saga University, Nabeshima 5-1-1, Saga 849-8501, Japan. E-mail: misago@post.saga-med.ac.jp
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Letters to the Editor
to various treatments (3). A spontaneous remission within one year, as observed in the present case, has been reported in 3 previous cases (1, 9, 15). A complete regression within one month, may suggest that the immune reaction to actinically degenerated or intact elastic tissue in AEGCG could be a transient phenomenon. Nevertheless, this case demonstrated that AEGCG can show various degrees of clinical remission as well as varying clinical manifestations.

REFERENCES