

Contact vasculitis induced by povidone-iodine

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Sir,

The use of povidone-iodine is widespread in medical practice. We report the first case of a patient followed for postmenopausal metrorrhagia who underwent endoscopic exploration. After 48 hours, she developed erythematous and pruriginous lesions limited to the application site of povidone-iodine. The Clinical examination found no infiltrated purpuric macules aggravated by orthostasis on the buttocks sparing the intergluteal furrow (Fig. 1). Regarding the clinical aspect and clinical data, the diagnosis of povidone-iodine contact vasculitis was made. The evolution under rest and topical steroids were favorable (Fig. 2).

Contact vasculitis is rare with only cutaneous involvement. The diagnosis is usually obvious given to the topography initial stage and the predominance of lesions at the contact area. The etiological agents are chemicals, plants, or animals. Cases have been described following the application of hexamidine, non-steroidal anti-inflammatory drugs, or analgesics [1]. They are manifested by purpuric or urticarial lesions more or less eczematous appearing 1 to 8 days after application. Biopsies reveal lymphocytic vasculitis and / or leukocytoclastic superficial dermal vessels and epidermal spongiosis. Our case illustrates a table of contact vasculitis triggered by the application of povidone-iodine. This case suggests adding povidone-iodine as a cause of contact vasculitis [2].

Consent

The examination of the patient was conducted according to the Declaration of Helsinki principles.



Figure 1: No infiltrated purpuric macules of gluteal area.



Figure 2: Check after 10 days.

The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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