Intense Local Reaction at the Sites of Injection of Lipolytic Mesotherapy

Reacción Local Intensa en Zonas de Inyección de Mesoterapia Lipolítica

To the Editor:

A 45-year-old woman with no past medical history of interest and not on any long-term medication, was seen in the emergency department for the appearance some days earlier of multiple, painful and puritic, edematous erythematous plaques with purpuric geographic borders. In some areas the lesions were confluent, producing very large plaques (Fig. 1). Some of the lesions had developed superficial vesicles (Fig. 2) despite oral treatment with hydroxyzine, deflazacort, and cefalexin.

Figure 1 Geographical erythematous-purpuric plaques at the sites of injection of mesotherapy on the abdomen, hips, and thighs.

Figure 2 Confluent, erythematous edematous plaques with vesicles at the sites of injection of mesotherapy on the thigh.
Granulomas, which may be of infectious\textsuperscript{7,8} or noninfectious origin,\textsuperscript{9} scars, atrophy, and lipodystrophy are late complications that can appear after mesotherapy treatment and can often resolve leaving marked and permanent cosmetic alterations.

There is only 1 previous report of the appearance of large erythematous edematous plaques in the areas of injection of lipolytic substances, similar to those observed in our patient.\textsuperscript{10} The injection of excessive quantities of substances with a lipolytic effect, poor circulation, previous scarring in the area treated, or a poor injection technique that leaves the bolus too superficial, are possible causes of the appearance of this complication.

We have presented a patient with an intense local reaction at the sites of injection of lipolytic mesotherapy, probably due to a direct toxic effect of the substances employed. There are very few reports of this complication in the literature and, considering that mesotherapy is a widely used technique, this may suggest that this type of reaction is underdiagnosed.

**Conflicts of Interest**

The authors declare that they have no conflicts of interest.

**References**


Salvador Córdoba,\textsuperscript{*} E. Rojas, A. Garrido-Rios, J. Borbujo

Servicio de Dermatología, Hospital Universitario de Fuenlabrada, Madrid, Spain

\textsuperscript{*}Corresponding author.

*E-mail address: scordoba.hflr@salud.madrid.org (S. Córdoba).

1578-2190/© 2017 Elsevier España, S.L.U. and AEDV. All rights reserved.