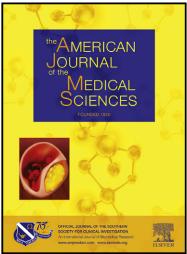
Author's Accepted Manuscript

Silicone Injection-Related Granulomatous Hypercalcemia: Case Report and Current Clinical and Scientific Understanding

Michael L. Granda MSc, Liwei E. Huang MD



www.amjmedsci.com

 PII:
 S0002-9629(16)30242-7

 DOI:
 http://dx.doi.org/10.1016/j.amjms.2016.04.018

 Reference:
 AMJMS178

To appear in: Am J Med Sci

Received date: 24 February 2016 Accepted date: 21 April 2016

Cite this article as: Michael L. Granda MSc, Liwei E. Huang MD, Silicone Injection-Related Granulomatous Hypercalcemia: Case Report and Current Clinical and Scientific Understanding, *Am J Med Sci*, http://dx.doi.org/10.1016/j. amjms.2016.04.018

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Silicone injection-related granulomatous hypercalcemia: case report and current clinical and scientific understanding

Michael L Granda, MSc; Liwei E Huang, MD.

Eastern Virginia Medical School, Norfolk, VA

ABSTRACT:

Cosmetic filler injections are known to cause a number of acute and chronic effects, including local inflammation, nodule formation, and granulomatous reaction. The timeline of these events is highly variable, occurring from hours to decades following injection. In a minority of cases, systemic effects have been observed. We report a case of granulomatous disease secondary to illicit silicone injection causing recalcitrant hypercalcemia. Additionally, we review the pathophysiology of inflammation in cosmetic filler injections, the prevailing understanding of hypercalcemia in granulomatous disease, and summarize the most effective treatment modalities for this rare condition.

KEY WORDS: silicone, hypercalcemia, granulomatous disease, granuloma

INTRODUCTION:

Cosmetic injections, both professional and illicit, are known to cause a number of local reactions contributing to poor cosmetic outcome, ulceration, and nodule formation. Silicone has been used for several decades due to its

1

Download English Version:

https://daneshyari.com/en/article/5595805

Download Persian Version:

https://daneshyari.com/article/5595805

Daneshyari.com