Eosinophilic fasciitis: MRI evaluation

Tomihiko Imai, MD, PhD, Masaki Saitoh, MD, PhD,
Hiroyuki Matsumoto, MD, PhD

We conducted repeat muscle MR imaging (figure) on a 46-year-old man with relapsing eosinophilic fasciitis that can be classified in a continuum around the so-called Shulman syndrome.¹ The patient had a 6-month history of relapsing fever and pain and swelling of the lower limbs, which responded to a moderate dosage of corticosteroids but relapsed several times after tapering of corticosteroids.

In the relapsing phase, MR imaging revealed marked enhancement in the fascia of the leg muscles, which corresponded to inflammatory infiltrates, mainly of eosinophils, into the fascia and fatty tissues without invasion into the muscle layer in the biopsied specimen.²

1. Serratrice G, Pellissier JF, Roux H, Quilichini P. Fasciitis, perimyositis, myositis, and eosinophilia. *Muscle Nerve* 1990;13:385–395.
2. Liou CH, Huang GS, Taylor JAM, Juan CJ, Gao HW, Chen CY. Eosinophilic fasciitis in a military recruit: MRI evaluation with clinical correlation. *Skeletal Radiol* 2003;32:52–57.

Address correspondence and reprint requests to Dr. Tomihiko Imai, Department of Neurology, Sapporo Medical University School of Medicine, South 1, West 16, Chuo-ku, Sapporo 060, Japan, e-mail: toimai@sapmed.ac.jp

Figure. Gadolinium-enhanced T1-weighted (A: repetition time [TR] 650, echo time [TE] 10) and T2-weighted (B: TR 2930, TE 90) MR images of the bilateral proximal thighs. Note the marked enhancement in the muscle margin due to biopsy-proven inflammation of the fascia and fatty tissues.

Neurology[®]

Eosinophilic fasciitis: MRI evaluation

Tomihiko Imai, Masaki Saitoh and Hiroyuki Matsumoto

Neurology 2003;61;416

DOI 10.1212/WNL.61.3.416

This information is current as of August 11, 2003

Updated Information & Services

including high resolution figures, can be found at:
<http://n.neurology.org/content/61/3/416.full>

References

This article cites 2 articles, 0 of which you can access for free at:
<http://n.neurology.org/content/61/3/416.full#ref-list-1>

Permissions & Licensing

Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints

Information about ordering reprints can be found online:
<http://n.neurology.org/subscribers/advertise>

Neurology® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright . All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.