Woringer-Kolopp disease coexpressing CD4 and CD8 treated with radiation therapy: a case report

Ahmet Yasar Zengin¹, Erkan Topkan², Gülseren Cimsit³, and Kadriye Yıldız⁴

¹Department of Radiation Oncology, Karadeniz Technical University, Trabzon; ²Department of Radiation Oncology, Baskent University, Adana; ³Department of Dermatology, and ⁴Department of Pathology, Karadeniz Technical University, Trabzon, Turkey

ABSTRACT

We present an extremely rare case of Woringer-Kolopp disease with CD4+/CD8+ immunohistochemical features in a 27-year-old male patient, which involved the right gluteal region continuing down to the lower thigh. Although the lesions had been present for 15 years, the disease abruptly changed its indolent clinical behavior in the last 3 months and gained local aggressiveness without features of dissemination. The patient was successfully treated with 6 MeV electron-beam radiotherapy and the radiation portal was determined to be the gross lesion plus 1-cm margins around the lesion. Radiation therapy was administered with a hypofractionated dose schedule of 2.8 Gy per fraction in 13 fractions, 5 days a week, to a total of 36.4 Gy. No radiation-induced toxicity was reported during therapy. The patient’s follow-up was ordinary with no recurrence after a follow-up period of 38 months and the cosmetic result was excellent.

Key words: Woringer-Kolopp disease, CD4+, CD8+, radiation therapy.

Correspondence to: Erkan Topkan, MD, Department of Radiation Oncology, Baskent University Medical Faculty, Adana Research and Treatment Center, 01120 Adana, Turkey. Tel +90-322-3228282(1305); fax +90-322-3227979; e-mail drerkantopkan@yahoo.com

Received August 13, 2007; accepted November 29, 2007.