Uterine Leiomyosarcoma Presenting with a Fever of Unknown Origin

Sho Nishiguchi 1, Takaaki Ishiyama 2, Shinichi Teshima 3 and Izumi Kitagawa 1

Key words: uterine leiomyosarcoma, fever of unknown origin, leiomyoma, uterine mass

(DOI: 10.2169/internalmedicine.54.4975)

A 49-year-old woman presented with a fever of unknown origin (FUO) during a two-month period. She denied abdominal pain and abnormal uterine bleeding. She had a bulky uterine mass which had been diagnosed as a benign leiomyoma 11 years previous to this admission. The physical examination was unremarkable other than a distended lower abdomen. The blood cultures were negative. The laboratory studies revealed a slight elevation of an inflammatory marker. Contrast-enhanced computed tomography showed a bulky uterine mass (12.0×8.5 cm) (Picture 1). During the fever work-up, the patient developed severe abdominal pain due to a uterine rupture. After urgent tumor resection, the fever was resolved. The macroscopic examination showed partial necrosis (Picture 2) and histological findings that were consistent with leiomyosarcoma (Hematoxylin and Eosin staining, 400×) (Picture 3).

We herein described a rare leiomyosarcoma case presenting with a FUO without pain and uterine bleeding (1, 2). Physicians should consider uterine leiomyosarcoma as a cause of a FUO in the patients with bulky uterine masses, even if the mass was previously considered to be a leiomyoma.

The authors state that they have no Conflict of Interest (COI).

1Department of General Internal Medicine, Shonan Kamakura General Hospital, Japan, 2Department of Internal Medicine, Saint Mary’s Health Center, USA and 3Department of Pathology, Shonan Kamakura General Hospital, Japan

Received for publication January 17, 2015; Accepted for publication February 3, 2015

Correspondence to Dr. Sho Nishiguchi, sanazen@hotmail.co.jp
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