Supplementary Figure 1. The figures show representative histological and immunohistochemical characteristics of Erdheim-Chester disease in three of the patients included in the study (cases #1, 2 and 3 correspond to patients #2, 15 and 1 in table 1). Hematoxylin and eosin staining (HE) shows diffuse infiltration of the affected tissues (cases #1 and 2 are retroperitoneal fine-needle biopsies, whereas case #3 is a cutaneous biopsy) by foamy histiocytes along with fibrosis and a diffuse chronic inflammatory infiltrate. Immunohistochemical analysis of the histiocyte marker CD68 reveals diffuse positivity in all three cases, whereas S-100 and CD1a stainings are consistently negative. Original magnifications: x10 in all HE figures and x20 in all immunohistochemical figures. Bars are 150μm in H&E figures and 300μm in immunohistochemical figures.