Case Image

Iatrogenic abdominal hematoma and severe anemia due to cosmetic liposuction

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A 40-year-old woman presented with a 3-day history of lightheadedness after tumescent liposuction of the buttocks and abdomen at a private clinic. The patient had undergone the same operation on her upper arms and thighs several months ago. The aspirate fluid collected during the second surgery was bloodier than that collected during the first surgery (Fig. 1A,B). Disseminated purpura was identified on her abdomen (Fig. 1C,D) with a hemoglobin level of 5.0 g/ dL. Computed tomography revealed a hematoma in the subcutaneous fat of the abdomen (Fig. 1E,F). After red blood cell transfusion, the patient was discharged on day 3 with a hemoglobin level of 7.2 g/dL and symptoms improved. The patient was healthy and had no recurrence of anemia at the 6-month follow-up. Anemia is a common post-liposuction complication, with a rate of 2.4% in the United States.¹ Although a life-threatening bleeding case has been recently reported in Japan,² there is no clinical database for liposuction. In the present case, the amount of liposuction, 2.8 L, is a risk factor for significant hemorrhage.^{1,3} Evaluating the risks and developing a clinical database for monitoring and investigating this complication are needed to improve patient safety.

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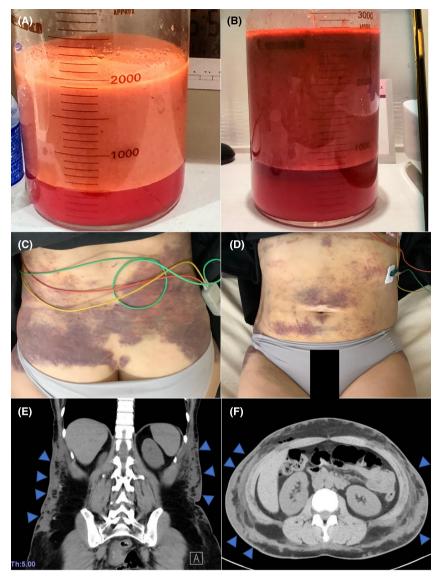


Fig. 1. (A) The collected fluids at the first surgery. (B) The collected bloody fluids at the secondary surgery, which was bloodier than the previous one. (C,D) Diffuse purpuras were identified around the abdomen. (E,F) Computed tomography showing diffused hematomas all over the abdomen (arrowheads).