Clin. Lab. 2026;72:1-2

CASE REPORT

Spontaneous Retroperitoneal Hemorrhage in Anti-NXP2-Positive Dermatomyositis: a Rare but Severe Complication

Hao Zhang *, Bingbing Dai *, Ningning Li

* *These authors contributed to the work equally and should be regarded as co-first authors*
Department of Rheumatology and Immunology, Central Hospital of Dalian University of Technology, Dalian, China

ABSTRACT

Background: **Spontaneous hemorrhage is a rare but serious complication of dermatomyositis (DM).**
Methods: **We report a 61-year-old man with anti-NXP2-positive DM who developed a retroperitoneal hematoma without anticoagulation, shortly after corticosteroid initiation.**
Results: **Laboratory investigations demonstrated rhabdomyolysis, hepatic injury and coagulopathy. The patient was managed with red blood cell transfusion, factor VIII, high-dose corticosteroids and intravenous immunoglobulin, resulting in complete recovery.**
Conclusions: **Although hemorrhagic events in DM are most often linked to anti-MDA5 or anti-Ro52 antibodies, their association with anti-NXP2 antibodies remains uncertain. This case highlights the importance of early recognition and prompt intervention in managing spontaneous hemorrhage in DM.**
(Clin. Lab. 2026;72:1-2. DOI: 10.7754/Clin.Lab.2025.250919)

Correspondence:
Ningning Li
Department of Rheumatology and Immunology
Central Hospital of Dalian University of Technology
No. 826 Southwest Road
Shahekou District, Dalian 116089
China
Email: wsztt880217@126.com

Case Report accepted September 18, 2025

Supplementary Data

Figure S1. Erythematous rash over the face and posterior neck, consistent with the dermatomyositis-associated 'shawl sign'.

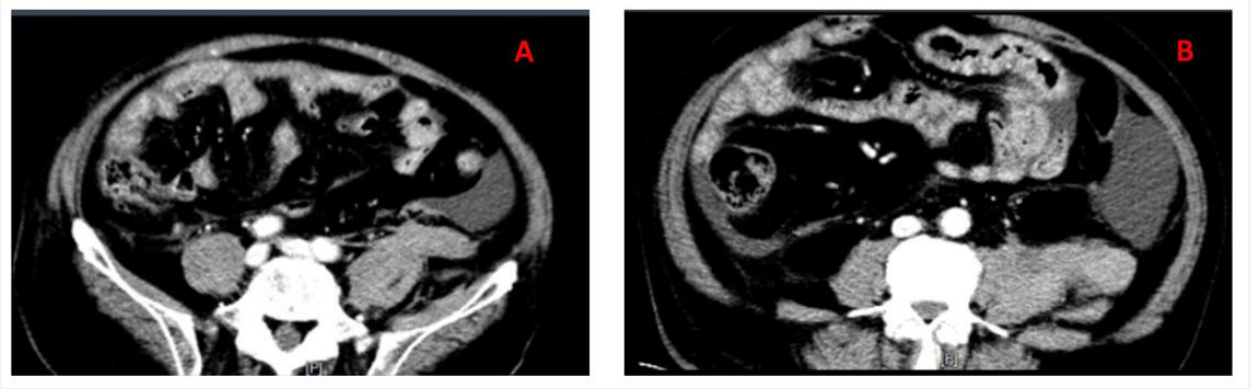

Figure S2. CT scan on day 10 revealed resolution of the retroperitoneal hematoma.