

Enoxaparin-sodium

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Sub-pectoral and calf hematomas: case report

A 76-year-old man developed sub-pectoral and calf hematomas during anti-coagulation therapy with enoxaparin-sodium.

The man was diagnosed with SARS-CoV-2 infection in September 2021. He received prophylactic therapy with apixaban [Eliquis] to prevent thromboembolic events. But, after 2 weeks he stopped the treatment by his own. Later, he developed a spontaneous left popliteal haematoma. His medical history was significant for grade II systemic hypertension and abdominal situs inversus, and previously underwent surgery for a liver hydatid cyst. He was diagnosed with deep vein thrombosis of the left popliteal vein. He started receiving subcutaneous enoxaparin-sodium 80 mg twice a day [enoxaparin]. After second day of the treatment, his pain and calf tumefaction resolved. In the day 07 of treatment, he reported chest pain, along with new onset of the left calf pain. Clinical examination revealed bruising at the left pectoral and left calf region, tumefaction were palpable. Electrocardiogram did not show evidence of ischemic changes and he was negative for the markers of myocardial injury. The chest CT revealed a massive sub-pectoral haematoma, with compression of the surrounding tissue. Left calf CT showed a new non-compressive haematoma. A venous ultrasound showed the dissolution of the popliteal thrombus but revealed a profound calf hematoma. Blood tests showed anaemia with a decrease in haemoglobin level from 12.8 mg/dL to 9.3 mg/dL, along with acute kidney injury (creatinine 2.6 mg/dL) due to rhabdomyolysis and haemolysis.

The man discontinued the enoxaparin-sodium treatment. Oral hydration and unspecified antibiotics were recommended along with heparin gel and ice applications. Three days later, his pain and swelling decreased gradually. The haematoma size was decreased with good clinical resolution. After a week, the hematomas and symptoms were diminished without any surgery and his renal function was improved.

Tudoran C, et al. Spontaneous Hematomas and Deep Vein Thrombosis during the Recovery from a SARS-CoV-2 Infection: Case Report and Literature Review. [Review].

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