

## Enoxaparin sodium/fondaparinux sodium/tinzaparin sodium

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### Haemorrhagic blisters (first report with fondaparinux sodium) in elderly patients: 2 case reports

Two elderly men developed haemorrhagic blisters after receiving low molecular weight heparins. One of the men also developed blisters after receiving fondaparinux sodium.

A 94-year-old man with a history of ischemic and rhythmic cardiopathy had an acute flare of haemorrhagic blisters 15 days after receiving subcutaneous tinzaparin sodium [*dosage not stated*]. The blisters occurred on his trunk, arms and right hand, distant from the injection site. He was admitted. Histological analyses revealed subepidermal blisters with RBCs and neoformed capillaries. Tinzaparin sodium was withdrawn and replaced by fondaparinux sodium [*dosage and route not stated*]. However, a new flare developed. Within 10 days of drug withdrawal, the blisters cleared completely. Tinzaparin sodium-induced haemorrhagic blisters with fondaparinux sodium cross-reactivity was diagnosed.

A 77-year-old man with a history of ischemic cardiopathy and atrial fibrillation had an acute flare of haemorrhagic blisters 3 days after starting enoxaparin sodium [*dosage and route not stated*]. He was admitted. Examination revealed blisters on his trunk and limbs, distant from the injection site. Enoxaparin sodium-induced haemorrhagic blisters were diagnosed. Enoxaparin sodium was withdrawn; two days later, he had improved.

**Author comment:** "We report two observations of HB [haemorrhagic blisters] eruption to LMWH [low molecular weight heparin] and, for one patient, a cross reaction with fondaparinux."

Roux J, et al. Heparin-induced hemorrhagic blisters. *European Journal of Dermatology* 23: 105-107, No. 1, Jan-Feb 2013. Available from: URL: <http://dx.doi.org/10.1684/ejd.2012.1888> - France 803086778

» **Editorial comment:** A search of AdisBase, Medline, Embase and the WHO ADR database did not reveal any previous case reports of haemorrhage subepidermal associated with fondaparinux.