

Adult Patients with Massive Hemorrhage: Tips for Anticoagulant Reversal

Warfarin



Prothrombin complex concentrate (Octaplex® or Beriplex®) 2000 units IV over 10 min
Vitamin K 10 mg IV over 10 min

Dabigatran (Pradaxa®)



Idarucizumab (Praxbind®) 2.5 g IV twice (total 5 g) over 10 min

Rivaroxaban (Xarelto®)

Apixaban (Eliquis®)

Edoxaban (Lixiana®)



Prothrombin complex concentrate (Octaplex® or Beriplex®) 2000 units IV over 10 min
Repeat at 1 hour if still bleeding

Heparin



Unfractionated Heparin (UFH).

- 1 mg per 100 units of UFH administered within past 4 hours
- 25 mg IV will reverse heparin infusions running at a rate of approx. 1,500 units/hour

Low Molecular Weight Heparin (LMWH)

- If administered within 8 hours: 1 mg of protamine per 100 units anti-Xa or 1 mg per 1 mg of enoxaparin
- If administered more than 8 hours ago: 0.5 mg of protamine per 100 units anti-Xa or 0.5 mg per 1 mg of enoxaparin



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