UPMC Urgent Oral Anticoagulant Reversal Algorithm

**URGENT REVERSAL**
(Active life or limb-threatening bleed or urgent invasive surgery required)

**WARFARIN**
(D/C drug)

- **History of HIT?**
  - **YES**
    - Profilnine® + rFVIIa 1mg* + vitamin K 10 mg IV
  - **NO**
    - Kcentra® + vitamin K 10 mg IV

- INR < 5
  - Profilnine®
    - 25 units/kg
    - Max: 2500 units
  - Kcentra®
    - 25 units/kg
    - Max: 2500 units

- INR > 5
  - Profilnine®
    - 50 units/kg
    - Max: 5000 units
  - Kcentra®
    - 50 units/kg
    - Max: 5000 units

- INR 2 to < 4
  - Kcentra®
    - 35 units/kg
    - Max: 3500 units
  - Kcentra®
    - 50 units/kg
    - Max: 5000 units

- INR 4-6
  - Kcentra®
    - 3000 units

- INR > 6
  - Kcentra®
    - 3000 units

**DABIGATRAN**
(D/C drug)

- Hemodialysis +/- rFVIIa 40 mcg/kg
- If dabigatran dose was ingested within last two hours, use activated charcoal 25g – 100 g

**RIVAROXABAN or APIXABAN**
(D/C drug)

- History of HIT?
  - **YES** (Option 1)
    - Profilnine® 50 units/kg (Max 5000 units) + rFVIIa low-dose 1mg*
  - **NO** (Option 1)
    - Kcentra®
      - 50 units/kg
      - Max: 5000 units
  - **YES or NO** (Option 2)
    - rFVIIa 40 mcg/kg as single agent

Calculate reversal agent doses based on actual body weight

* If patient receiving warfarin requires urgent INR reversal and is volume-challenged, use of prothrombin complex concentrates (PCCs), such as Kcentra®, is recommended.
* Caution use of rFVIIa with Profilnine if patient has an underlying hypercoagulable state

Approved by System Anticoagulation Subcommittee and System P&T Committee and System Jan 2014