

Original Date	05/05	Revision Date	04/10	Withdrawn Date	
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**Note: Parental Vitamin K can and is to be given orally-administer ordered amount in 15-30 ml of water, PO**

**Management of over anticoagulation in patients with no significant bleeding**

- INR < 5 Reversal Recommendations:
  - Lower warfarin dose to \_\_\_\_mg daily, order PTT/INR lab
  - Omit warfarin dose, order PTT/INR lab and resume at a lower dose when INR is at a therapeutic level
  
- INR ≥ 5 but < 9 Reversal Recommendations:
  - Omit \_\_\_\_ one or \_\_\_\_ two warfarin doses, order PTT/INR lab and resume at lower dose when INR is at a therapeutic level
  - Omit a warfarin dose and administer vitamin K (1 to 2.5 mg) \_\_\_\_\_ mg orally (use parental vitamin K)
  - If surgery is scheduled Vitamin K (≤ 5mg) \_\_\_\_\_ mg orally can be given with the expectation that a reduction of the INR will occur in 24 hours, Check INR in 12 hours after administration and consider using more oral Vitamin K (1-2 mg).**
  
- INR ≥ 9 Reversal Recommendations:
  - Hold warfarin therapy and administer vitamin K (2.5 -5 mg) \_\_\_\_\_ mg tablet, expect INR to be reduced in 24-48 hours, order PTT/INR lab. Give additional vitamin K oral if necessary

**Management of anticoagulated patients with serious bleeding and elevated INRs**

- Hold warfarin therapy and give vitamin k 10 mg by IV infusion supplemented with fresh frozen plasma. Dilute vitamin K in 100 ml NS or D5W addit bag and administer piggy back over 30 minutes (200 ml/hr). **Reminder: IV vitamin K can cause anaphylaxis and should be reserved for when there is a great urgency to reverse anticoagulation.** Please consider transferring the patient. Check INR in 12 hours after administration and consider using more vitamin K if necessary, can be repeated every 12 hours.

**Therapeutic Recommendations for warfarin**

Disease	INR Range
DVT/PE	2.0-3.0
Atrial Fibrillation	2.0-3.0
Myocardial Infarction	2.0-3.0
Mechanical Heart Valves	2.5-3.5

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Physician Signature Date Time

PATIENT STICKER