

Trauma Center Practice Management Guideline

Iowa Methodist Medical Center — Des Moines

Oral Anticoagulant Emergent Reversal Management Guideline

PEDIATRIC Practice Management Guideline	Effective: 02/2024
Contact: Trauma Medical Director	Reviewed: 01/2026

General Measures

- Control bleeding with local hemostatic measures
- Initiate appropriate resuscitation measures, including blood products
- Ensure adequate urine output
- STOP any anticoagulant/antiplatelet agent if not already done, and record time of last dose
- Laboratory Orders STAT: CBC, BMP, fibrinogen, Thrombin Time, a PTT, PT/INR, Trauma TEG, TEG Platelet Mapping

Reversal Strategies

Medication	Laboratory Results	Treatment												
Vitamin K Antagonist Warfarin (Coumadin)	INR > 1.5	1. Give 20 mL/kg of thawed plasma 2. Give vitamin K 2-5 mg IV over 30 minutes 3. Check INR every 4 hours for the first 24 hours (or more frequently based on clinical condition) 4. Consider 4-factor PCC (KCentra) <table border="1" style="margin-left: 20px; border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="width: 25%;">Pretreatment INR</th> <th style="width: 25%;">Dose (in units of factor IX)</th> <th style="width: 50%;">Maximum Dose</th> </tr> </thead> <tbody> <tr> <td>2 to <4</td> <td>25 units/kg</td> <td>2500 units</td> </tr> <tr> <td>4 to 6</td> <td>35 units/kg</td> <td>3500 units</td> </tr> <tr> <td>>6</td> <td>50 units/kg</td> <td>5000 units</td> </tr> </tbody> </table>	Pretreatment INR	Dose (in units of factor IX)	Maximum Dose	2 to <4	25 units/kg	2500 units	4 to 6	35 units/kg	3500 units	>6	50 units/kg	5000 units
	Pretreatment INR	Dose (in units of factor IX)	Maximum Dose											
2 to <4	25 units/kg	2500 units												
4 to 6	35 units/kg	3500 units												
>6	50 units/kg	5000 units												
INR < 1.5	No treatment indicated, monitor INR as clinical condition indicates													
Direct Thrombin Inhibitor Dabigatran (Pradaxa)	Thrombin Time > 24 seconds	Idarucizumab (Praxbind) is not approved in patients <18 years old. Consider KCentra (PCC) 25-50 units/kg via slow IV infusion												
	Thrombin Time < 24 seconds	No treatment indicated, monitor clinical condition												
Factor Xa Inhibitors Rivaroxaban (Xarelto), Apixaban (Eliquis)	Treat if medication taken within previous 48 hours	4-factor PCC (KCentra) 25-50 units/kg via slow IV infusion x1 (Maximum 2500 units)												
Antiplatelet Agents Clopidogrel, Ticagrelor, Prasugrel	TEG Platelet Mapping ADP: MA < 35 or inhibition ≥60%	Platelet transfusion												
	Aspirin	AA: MA <35 or inhibition ≥60%	Platelet transfusion											