

Conventional Algorithm

		Measures	Intervention	Dose	OK	
Time ..	BGA	pH <input style="width: 100px;" type="text"/>	< 7.2	0.5 mmol/kg Sodium Bicarbonate	<input style="width: 100px;" type="text"/>	<input type="radio"/>
		Ca ²⁺ <input style="width: 100px;" type="text"/>	< 1 mmol/l	2 g Calcium Gluconate	<input style="width: 100px;" type="text"/>	<input type="radio"/>
		Hb <input style="width: 100px;" type="text"/>	< 8 g/dl	Transfusion PRBC (3-4 ml/kg increase Hb 1 g/dl)	<input style="width: 100px;" type="text"/>	<input type="radio"/>
		Temp. <input style="width: 100px;" type="text"/>	°C	Temperature Management (Forced-air-heating systems, room temperature, fluid warmer)	<input style="width: 100px;" type="text"/>	<input type="radio"/>

		Measure	Intervention	Dose	OK	
Time ..	ACT	ACT <input style="width: 100px;" type="text"/>	> 130 sec	30 IU/kg Protamine	<input style="width: 100px;" type="text"/>	<input type="radio"/>

		Measures	Intervention	Dose	OK	
Time ..	Conv. coagulation analyses	Fibrinogen <input style="width: 100px;" type="text"/>	< 200 mg/dl	25 mg/kg Fibrinogen	<input style="width: 100px;" type="text"/>	<input type="radio"/>
			< 150 mg/dl	50 mg/kg Fibrinogen		
		INR <input style="width: 100px;" type="text"/>	> 1.4 (Q < 80%)	20 IU/kg PCC	<input style="width: 100px;" type="text"/>	<input type="radio"/>
			> 1.8 (Q < 40%)	30-40 IU/kg PCC		
		aPTT <input style="width: 100px;" type="text"/>	> 50 sec	20 ml/kg FFP	<input style="width: 100px;" type="text"/>	<input type="radio"/>
		Platelets <input style="width: 100px;" type="text"/>	< 100/nl	2 PC + 0.4 µg/kg DDAVP (DDAVP singular therapy approach)	<input style="width: 100px;" type="text"/>	<input type="radio"/>

Transfusion of ≥ 4 PRBC without new lab results ? -> 20 ml/kg FFP

Persisting coagulopathy ?
 - Repeat laboratory coagulation analyses
 - Surgical hemostasis ? (Indication for rethoracotomia based on institutional standards)

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In cases of persisting coagulopathy reevaluation
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		OK	OK	OK	OK
Time ..	Ultima Ratio Approach	Persisting coagulopathy despite algorithm conform hemotherapy ? <input type="radio"/>	Basic conditions (BGA) checked ? <input type="radio"/>	→	25 mg/kg TXA <input type="radio"/>
		Surgical / Interventional hemostasis not applicable ? <input type="radio"/>	AND		↓ <input type="radio"/>
			Fib > 200 mg/dl		90 µg/kg rVIIa <input type="radio"/>
			INR < 1.2		↓ <input type="radio"/>
		aPTT < 50 sec		15 IU/kg FXIII <input type="radio"/>	
		Platelets > 100			

Persisting coagulopathy ?
 - Repeat laboratory coagulation analyses
 - Surgical hemostasis ? (Indication for rethoracotomia based on institutional standards)