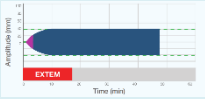
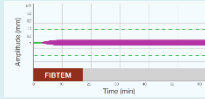
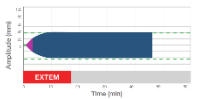
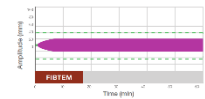
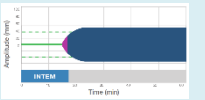
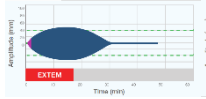
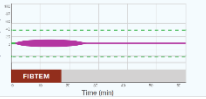
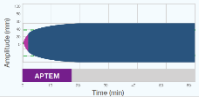
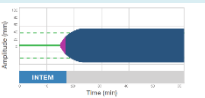
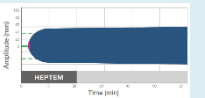


Open Heart ROTEM Interpretation Algorithm

CLINICAL DECISION	RESULTS & TEMOGRAM	TREATMENT	
Consider Need for Fibrinogen	<div style="display: flex; justify-content: space-between;"> <div style="background-color: #f8766d; padding: 5px; text-align: center;">EXTEM</div> <div style="background-color: #5d407e; padding: 5px; text-align: center;">FIBTEM</div> </div>	Cryoprecipitate, 2-3 pools	
	<div style="display: flex; justify-content: space-around;">   </div>		
	A10 < 40 mm PLUS A10 < 10mm		
Consider Need for Platelets	<div style="display: flex; justify-content: space-between;"> <div style="background-color: #f8766d; padding: 5px; text-align: center;">EXTEM</div> <div style="background-color: #5d407e; padding: 5px; text-align: center;">FIBTEM</div> </div>	DDAVP One Platelet Unit	
	<div style="display: flex; justify-content: space-around;">   </div>		
	A10 < 40 mm PLUS A10 ≥ 10mm		
Consider FFP <i>Caution: Low platelet and low fibrinogen will also prolong the CT</i>	EXTEM	FFP 10-15 ml/kg Or K-Centra	
			
	CT > 100 sec		
Consider Need for Antifibrinolytic Drugs	<div style="display: flex; justify-content: space-between;"> <div style="background-color: #f8766d; padding: 5px; text-align: center;">EXTEM</div> <div style="background-color: #5d407e; padding: 5px; text-align: center;">FIBTEM</div> <div style="background-color: #6a3d9a; padding: 5px; text-align: center;">APTEM</div> </div>	Continue Amicar as per order set (when appropriate)	
	<div style="display: flex; justify-content: space-around;">    </div>		
	Max Lysis > 7 % (within 30 min)		
Consider Need for Protamine	INTEM	HEPTEM	Protamine Dosing Protocol
	<div style="display: flex; justify-content: space-around;">   </div>		
	CT_{INTEM} >> CT_{HEPTEM} (ratio greater than 1.25)		

IN THE CASE OF ON-GOING BLEEDING RECHECK AFTER EACH TREATMENT

ROTEM Reference Values

	CT	CFT	α -angle	A20	MCF
INTEM	122-208	45-110	70-81	51-72	51-72
EXTEM	43-82	48-127	65-80	50-70	52-70
FIBTEM				7-24	7-24
HEPTEM	Compare to INTEM				
APTEM	Compare to EXTEM				
* A10 ranges will need to be established by each laboratory according to their procedures.					

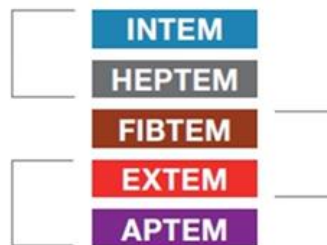
ROTEM *delta* reference ranges have been determined in 3 US clinical centers on reference group samples with **no signs of impaired coagulation**. These values are for orientation only. They are not binding and may vary from lab to lab. Please note that reference ranges for coagulation parameters depend on the reference population, the blood sampling technique and other pre-analytical factors. It is recommended to confirm the ranges with a hospital specific reference group.

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Combinations of Assays Enable Differential Diagnosis

May suggest the presence of heparin

May confirm fibrinolytic activity



Differentiation of platelet and fibrin contribution to clot firmness