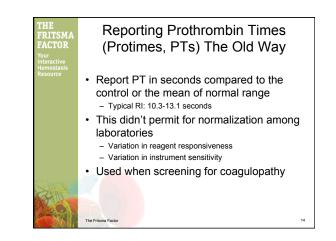
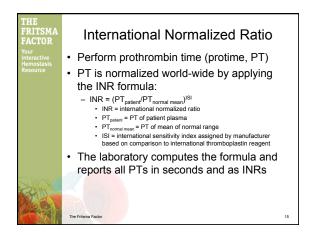
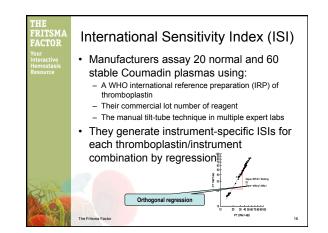


THE FRITSMA FACTOR Your Interactive	Risk of Thrombosis First Five Days of Therapy					
Hemostasis Resource	Factor	Half-life	Mean Plasma Concentration			
	Prothrombin	60 h	10 mg/dL			
	VII	6 h	0.05 mg/dL	E		
	IX	24 h	0.3 mg/dL	B.J		
	X	50 h	1 mg/dL			
	Protein C	8 h	2-6 μg/mL			
Silver	Protein S		20-25 μg/mL			
			Therapy. In Rodak B., Fritsma Applications 3 nd Ed 2007 Els			

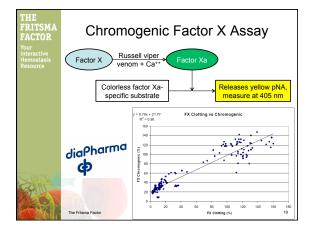


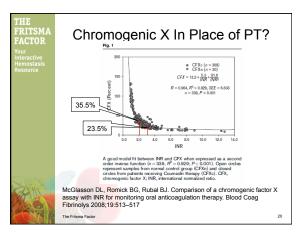


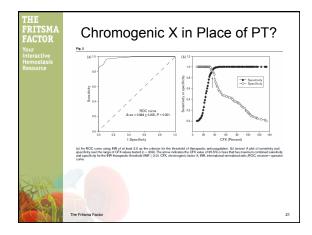


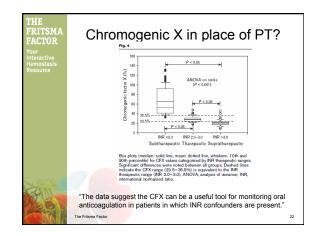
four Interactive Hemostasis Resource		
	Indication	Range
	Prophylaxis and therapy for DVT, PE, atrial fibrillation, cardiac insufficiency	2–3
	Therapy for mechanical valves, complicated or recurrent AMI	2.5–3.5
	Risk of hemorrhage critical value	> 5.0

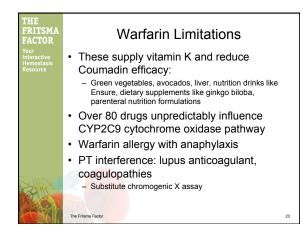
ur teractive	Variatio	·			
Hemostasis Resource		Mean (n	=9)	Example	Patient
	Reagent	PT (sec)	INR	PT (sec)	INR
	Α	16.1	1.5	67.4	31.3
	В	16.9	1.3	81.9	8.7
	С	13.7	1.2	169.0	15.4
	D	17.5	1.5	78.3	9.3
	function of	rmalization, th thromboplast non SL, persor	in sensi	tivity. Quarles	LÁ and

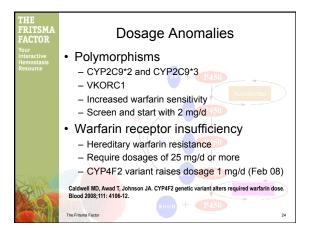


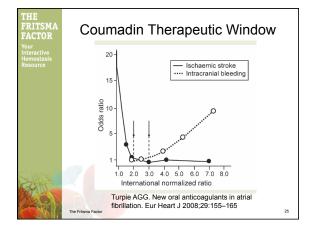


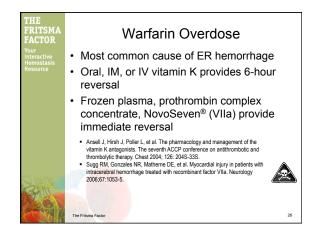




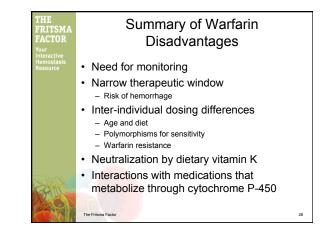




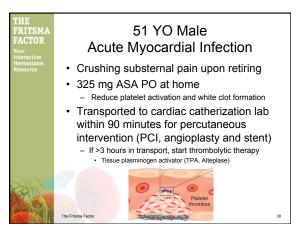


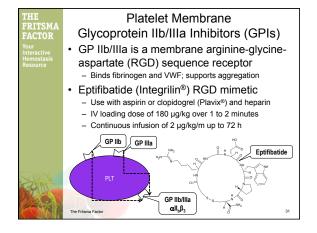


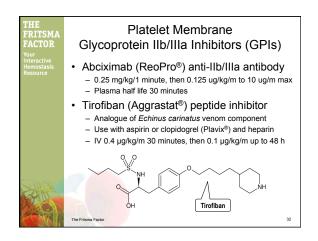
Outcome	30-d	1-y	3-у			
Major bleed	9.4%	11.6%	15.8%			
Recurrent VTE	3.5%	10.7%	15.0%			
Mortality	13.0%	26.0%	35.3%			
N= 549; VTE, venous thromboembolism, includes pulmonary emboli (PE) and deep vein thrombosis (DVT)						
dapted from Spencer FA, Go utcomes after DVT & PE: the tudy. Arch Intern Med 2008;	e Worcester	Venous Thron				

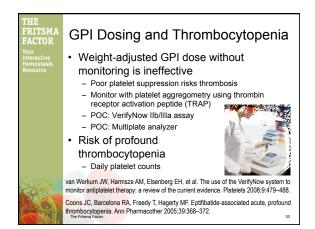


FRITSMA FACTOR	Warfarin Limitations				
Your Interactive Hemostasis	Limitation	Consequence			
		Must "bridge" with heparin			
	Five days' onset of action	Must monitor daily; INR unreliable			
	Genetic metabolism variation: CYP2C9*2, -*3; VKORC1	Must reduce dose for safety			
	Food and drug interactions				
	Narrow therapeutic range				
	Pediatric sensitivity	Monthly INR monitoring			
YORK	Geriatric sensitivity]			

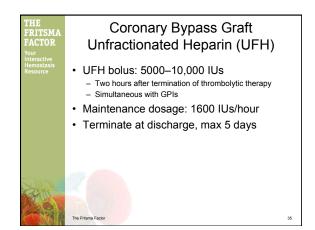


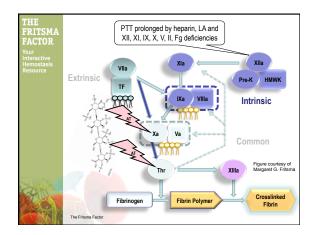


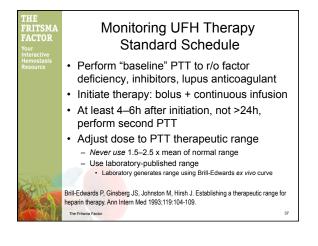


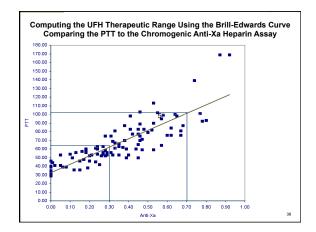


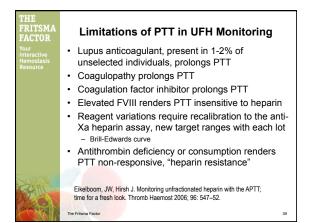


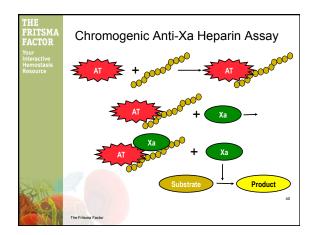


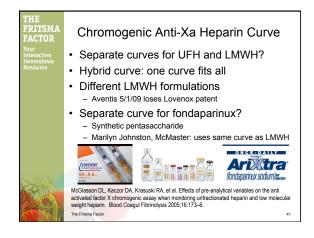


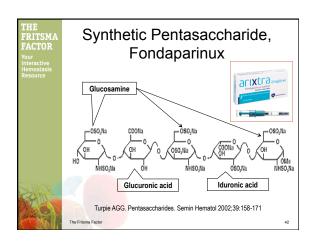


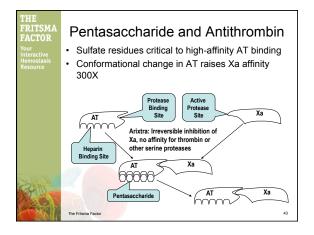


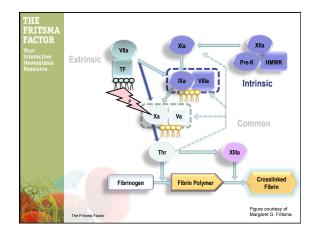


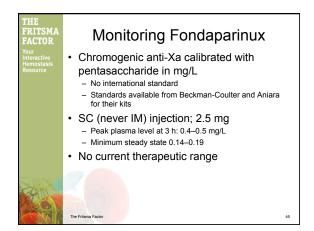


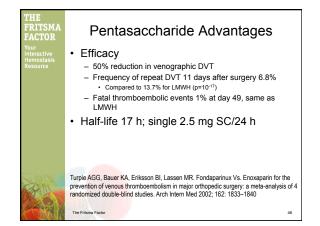


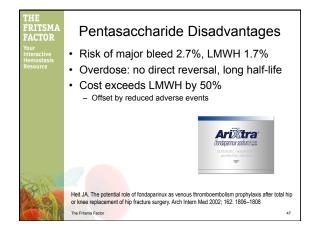


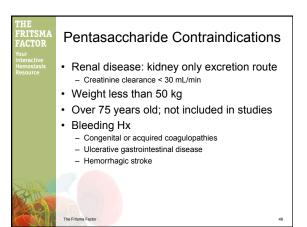


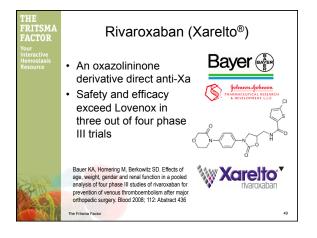




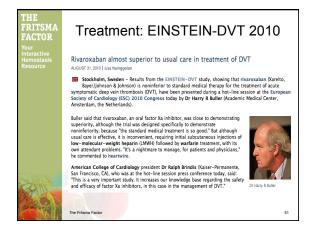


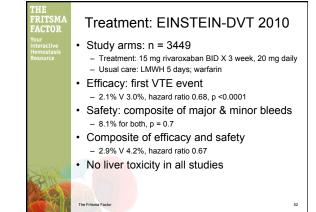


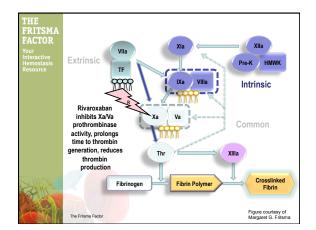


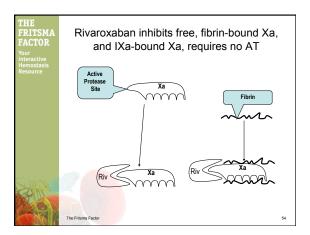


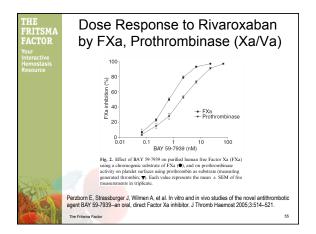
THE FRITSMA FACTOR	Prophylaxis: Fo				
Your Interactive		for the preventi	on of venous thro	tudies investigatin mboembolism in pa	atients under-
Hemostasis Resource		going total hip o	Rivaroxaban (10 mg od)	t surgery (57–59, 8 Enoxaparin (40 mg od	0]. P-values
	 Rivaroxaban at 		% (n/N)	[RECORD1, 2, 3] or 30 mg bid [REC- ORD4]) % (n/N)	
	10 mg po/daily	RECORD1 (THR)			
	0, ,	Total VTE	1.1 (18/1,595)	3.7 (58/1,558)	<0.001
	is effective as	Major VTE	0.2 (4/1,686)	2.0 (33/1,678)	<0.001
	VTC prophyloxia	Major bleeding	0.3 (6/2,209)	0.1 (2/2,224)	0.18
	VTE prophylaxis	RECORD2 (THR)			
		Total VTE	2.0 (17/864)	9.3 (81/869)	<0.0001
	 Mean risk of 	Major VTE	0.6 (6/961)	5.1 (49/962)	<0.0001
	major and total	Major bleeding	0.1 (1/1,228)	0.1 (1/1,229)	
	major and total	RECORD3 (TKR) Total VTF	9.6 (79/824)	18.9 (166/878)	<0.001
	VTE recurrence	Major VTE	9.6 (79/824) 1.0 (9/908)	2.6 (24/925)	0.01
	VIL recurrence	Major bleeding	0.6 (7/1.220)	0.5 (6/1.239)	0.77
	< 3%	RECORD4 (TKR)			
South	0.10	Total VTE	6.9 (67/965)	10.1 (97/959)	0.012
Or 1		Major VTE	1.2 (13/1,122)	2.0 (22/1,112)	0.124
ALC CONT		Major bleeding	0.7 (10/1,526)	0.3 (4/1,508)	0.11
	The Fritsma Factor		l, once daily; THR, tota venous thromboembo	l hip replacement; TKR lism.	, total knee 50

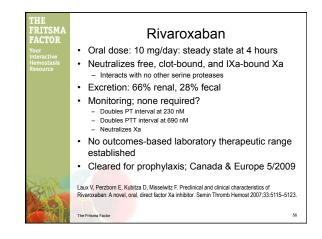






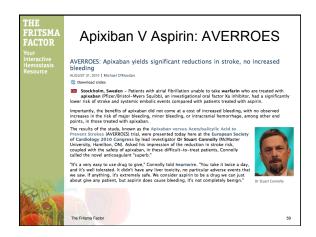


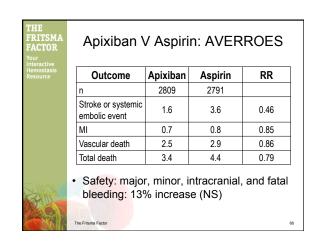


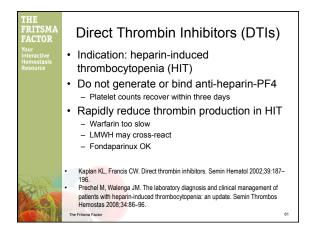


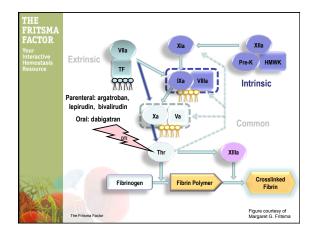


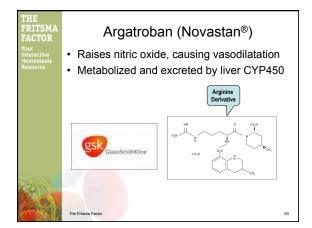
THE FRITSMA FACTOR	Apixiban in VTE Prophylaxis								
Your Interactive Hemostasis Resource	 12 days, 2.5 mg twice a day Comparator: enoxaparin 								
	 Primary safety: major bleeding Primary efficacy: composite VTE 								
	Study N Enox Safety Efficacy								
	ADVANCE 1	3195	30 mg	0.7 V 1.4%	9% V 8.9%				
	ADVANCE 2	1973	40 mg	0.6 V 0.93%	15% V 24%				
	Bristol-Myers So Company The Fritsma Factor	uibb		Loveno Anterior Anterior 20 renor enterior anterior	X° 2000 (I arti-30) 0,2 ml (maximum artimeter) (control of the second	58			

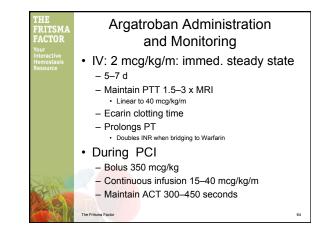


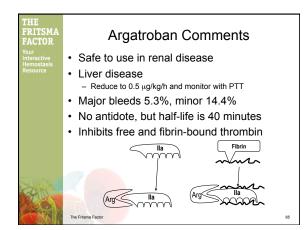


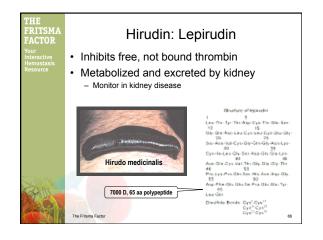




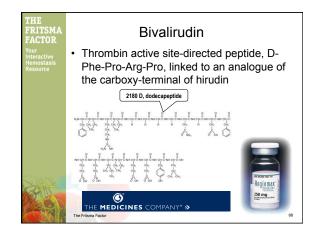


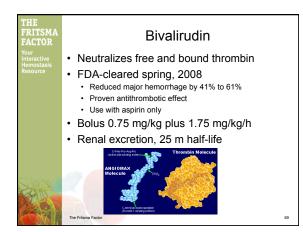


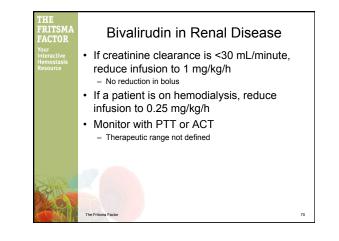


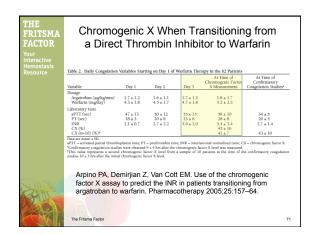


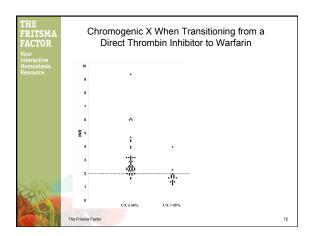


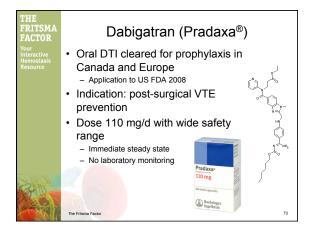


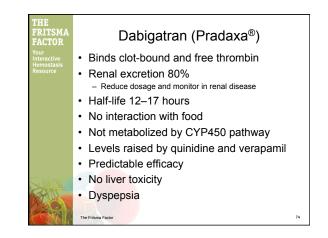












FRITSMA FACTOR Your Interactive Hemostasis Resource	Dabigatran Efficacy and Safety In Three Phase III Trials					
		Dabigatran etexilate (150 mg od) % (n/N)	Dabigatran etexilate (220 mg od) % (n/N)	Enoxaparin (40 mg od [RE-NOVATE; RE-MODEL]; 30 mg bid [RE-MOBILIZE]) % (n/N)	P-values	
	RE-NOVATE (TH	R)				
	Total VTE	8.6 (75/874)*	6.0 (53/880)*	6.7 (60/897)	*p<0.0001 for non- Inferiority vs. enoxaparin	
	Major VTE	4.3 (38/888)	3.1 (28/909)	3.9 (36/917)		
	Major bleeding	1.3 (15/1,163)	2.0 (23/1,146)	1.6 (18/1,154)		
	RE-MODEL (TK	R)				
	Total VTE	40.5 (213/526)*	36.4 (183/503)**	37.7 (193/512)	*p=0.017; **p=0.0003 for non-inferiority vs. enoxaparin	
	Major VTE	3.8 (20/527)	2.6 (13/506)	3.5 (18/511)		
	Major bleeding	1.3 (9/703)	1.5 (10/679)	1.3 (9/694)		
	RE-MOBILIZE (1	'KR)				
WORLS	Total VTE	33.7 (219/649)*	31.1 (188/604)**	25.3 (163/643)	*p=0.0009; **p=0.02 v enoxaparin	
diff	Major VTE	3.0 (20/656)	3.4 (21/618)	2.2 (15/668)		
ALC: N	Major bleeding	0.6 (5/871)	0.6 (5/857)	1.4 (12/868)		
DAVE TO DE	bid, twice daily:	od, once daily; THR, total hip	replacement: TKR, total knee	e replacement: VTE, venous th	hromboernbolism.	

