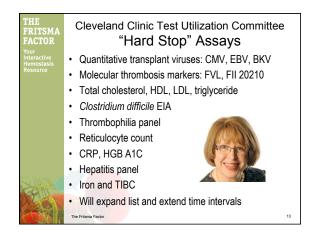
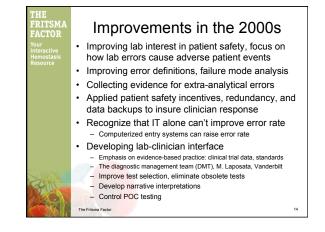
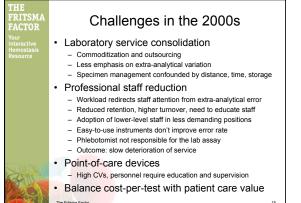
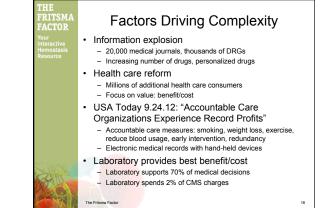


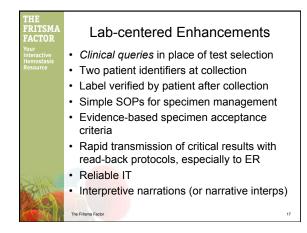
The Fritsma Factor, Your Interactive Hemostasis Resource^{s™} Fritsma & Fritsma LLC; www.fritsmafactor.com



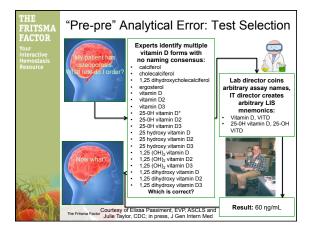


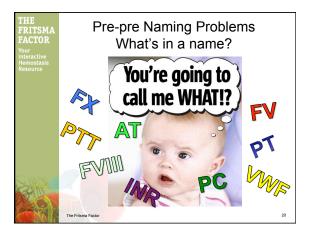


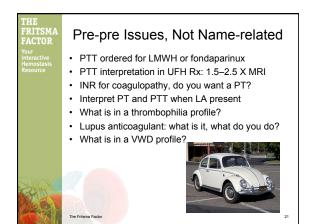












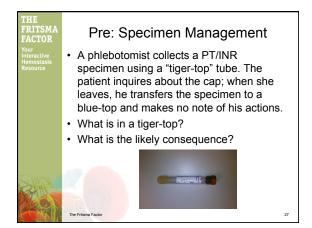
FACTOR		e-pre: Pre-c	
Your Interactive Hemostasis	Assay	Patient	RI
Resource	HGB	14.2 g/dL	13.5–15.6 g/dL
	PTT	29 s	25–35 s
	PT	12.4 s	9.8–12.6 s
	BT	16.5 m	2–9 m
	PLT count	310,000/µL	250–450,000/µL
	Fibrinogen	270 mg/dL	150-400 mg/dL
	D-dimer	190 ηg/mL	110–240 ηg/mL
	No bleeding	Hx, surgeon po	ostpones procedure
SARC	What o	do you re	commend?

THE FRITSMA FACTOR	Pre-pre Issue: Pre-op Screen						
Your Interactive	Assay	Patient	RI				
Hemostasis Resource	HGB	10.2 g/dL	13.5–15.6 g/dL				
	PTT	29 s	25–35 s				
	PT	12.4 s	9.8–12.6 s				
	PLT count	310,000/µL	250–450,000/µL				
	Fibrinogen	270 mg/dL	150–400 mg/dL				
	D-dimer	160 ηg/mL	110–240 ŋg/mL				
	Hx: Easy bruising, chronic epistaxis, prolonged bleeding shaving. Surgeon decides to go ahead with procedure						
RANC	What o	do you re	commend?				
2397	The Fritsma Factor		23				

four	Assay	Patient	RI
nteractive Iemostasis			
esource	HGB	14.2 g/dL	13.5–15.6 g/dL
	PTT	59 s	25–35 s
	PT	12.4 s	9.8–12.6 s
	PLT count	310,000/µL	250–450,000/µL
	Fibrinogen	270 mg/dL	150-400 mg/dL
	No bleedin	g Hx, surgeon p	ostpones procedure
200	What o	do you re	commend?

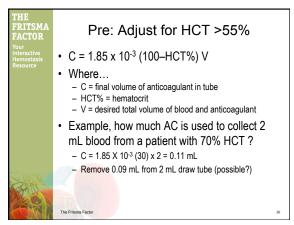
THE FRITSMA	Pre-pre: Thrombophilia Screen					
FACTOR Your	Assay	Patient	RI			
Interactive Hemostasis	Protein C Activity	61%	>70%			
Resource	Protein S activity	69%	>65%			
	Antithrombin activity	27%	78-126%			
	Factor VIII	125%	50-186%			
	APCR	APCR 2.4 >1.8				
	Factor II 20210	Wild-type	Wild-type			
	PTT-LA	34 s	30–40 s			
	Homocysteine	9 ηmol/L	>18 ηmol/L			
Sher	50-YO man with DVT on UFH 4 days, physician ordered this thrombophilia profile					
	What do yo The Fritsma Factor	u recom				

THE FRITSMA FACTOR	Pre-pre: Th	rombophilia	Screen		
Your Interactive	Assay	Patient	RI		
Hemostasis Resource	Protein C Activity	35%	>70%		
	Protein S activity	39%	>65%		
	Antithrombin activity	57%	78-126%		
	Factor VIII	125%	50-186%		
	APCR	2.4	>1.8		
	Factor II 20210	Wild-type	Wild-type		
	PTT-LA	39 s	30–40 s		
	Homocysteine	3.9 ηmol/L	<4.3 ηmol/L		
SAR	60-YO woman, DVT; on Coumadin 3 w, physician ordered this thrombophilia profile				
	What do The Fritsma Factor	you recom	mend?		

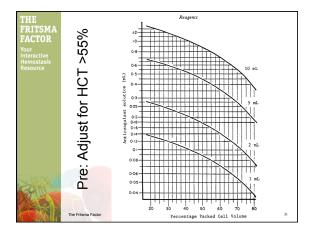


Your Interactive		Assay	Citrate	EDTA	Heparin	Serum
		PTT	29s*	68s*	>180s	>180s
Resource		PT	12.4s*	23s*	>60s	>60s
	🛢 🗍 🛢 🗍 関 🎽	FVII:Act	115%	116%	77%	308%
	Data courtesy of Dorothy Adcock-Funk, MD, Esoterix Coagulation	FVIII:Act	141%	4.5%	<1%	4.5%
		FIX:Act	122%	115%	<1%	350%
		VWF:Ag	122%	143%	70%	101%
		VWF:RCo	114%	131%	37%	74%
		PC:Act	111%	152%	<1%	<1%
		PS:Act	96%	30%	<1%	21.6%
	*Mean values					
	Adcock, DM, Hoefner DM, K specimens for testing plasm Approved Guideline-5 th Edit	a-based coagula	tion assays a			

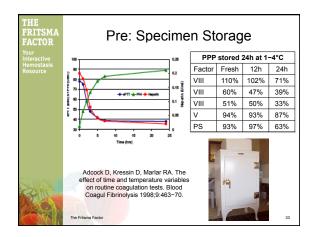


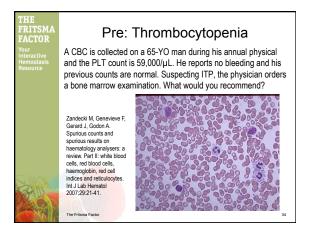


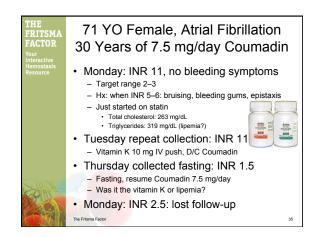
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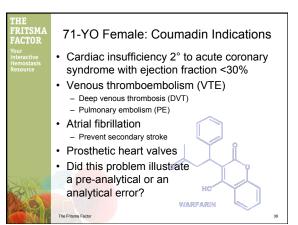


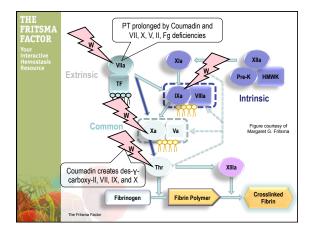
THE FRITSMA FACTOR	Pre: Spe	cimen Tran	sport, No Ice				
Your Interactive	Two samples with originally >70% VWF:Rco, held 6h at 4°C						
Hemostasis Resource	Assay	Sample 1	Sample 2				
	VWF:Ag	42%	68%				
	VWF:RCo	38%	30%				
	VWF:CB	12%	28%				
	Sample 1: false diagnosis of VWD type 1 in a normal subject Sample 2: false diagnosis of VWD type 2 in a type 1 VWD patient						
	 Refrigerate E stabilize plate 	s platelets and coagu DTA tubes up to 24 h elet count and HCT for clinical chemistry, (for hematology to				
		Haemost 2001;86:1589-4 preanalytical variables on		32			

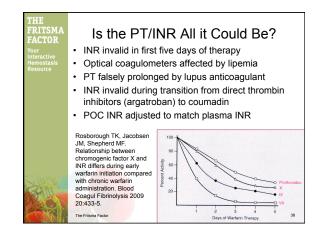


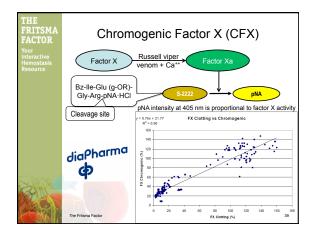


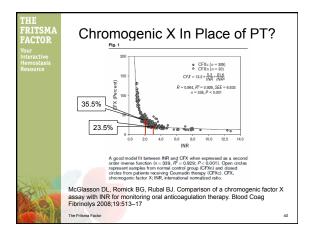


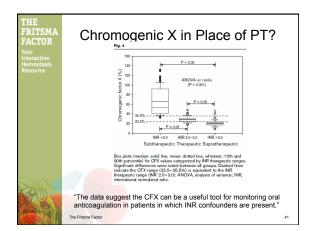


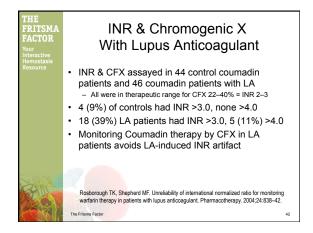


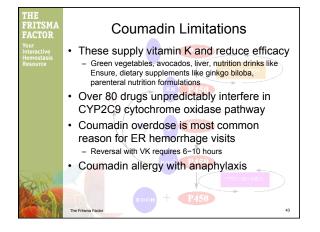












H Start Start <thstart< th=""> Start Star</thstart<>	ur teractive	30 G	VKORC1						8
Image: Signal	emostasis esource	-16: -16:		*[3]	*1/*2	*[/*]	*2/*2	*2/*3	*3/*3
46 5.7 mg 3.4 mg		SC1	GG	5-7 mg	5-7 mg	3-4 mg	34 mg	3-4 mg	0.5-2 mg
List of the second		KO IS	AG	5-7 mg	3-4 mg	3-4 mg	34 mg	0.5-2 mg	0.5-2 mg
Thanges are derived from multiple published clinical studies. Other clinical factors (e.g., e.g., race, body weight, e.v., concominant melications, and concribilities) are generally accounted for along with genetype in the ranges expressed in the Table, VKORC1 - 1639 GPA (5992)331) variant is used in this table. Other co-interind VKORC1 variants may also be important determinants of variants doer. Patients with C1(P2(OP 11/3), 1929, 1923 and 1939 may require nore prolonged imte (22 to 4 wesk) to achieve maximum INR effect for a given dosage regimen. Caldwell MD, Awad T, Johnson JA. CYP4F2 genetic variant atters		ິ < C	AA	3-4 mg	3-4 mg	0.5-2 mg	0.5-2 mg	0.5-2 mg	0.5-2 mg
required warfarin dose. Blood 2008;111: 4106-12.	3	Three Polymorph CYP2C9*2, CYP2C9	Ranges are derive concomitant media Table, VKORC1 important determin time (>2 to 4 week Caldwell required	rations, and comorbid -1639 G→A (rs99232 rants of warfarin dose rs) to achieve maximu MD, Awad T	ities) are generally 31) variant is used Patients with CY m INR effect for a Johnson	v accounted for ale d in this table. Oth 19209 *1/*3, *2/* a given dosage reg JA. CYP4F	ng with genotype er co-inherited VH 2, *2/*3 and *3/*3 imen. *2 genetic v	in the ranges expt KORC1 variants r may require mor	essed in the nay also be e prolonged

