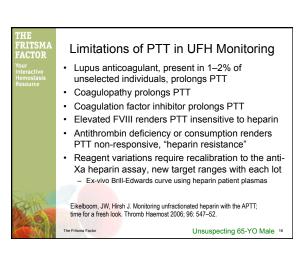
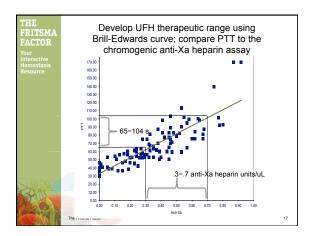
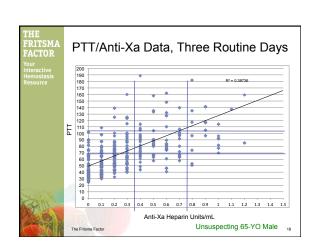
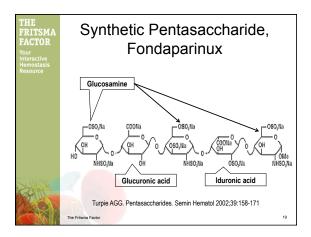


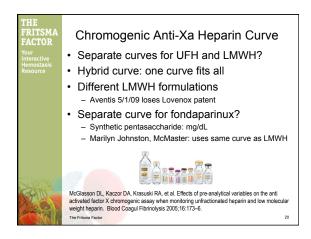
# Monitoring UFH Therapy Standard Schedule Perform "baseline" PTT to r/o factor deficiency, inhibitors, lupus anticoagulant Initiate therapy: bolus + continuous infusion At least 4–6h after initiation, not >24h, perform second PTT Adjust dose to PTT therapeutic range Never use 1.5–2.5 x mean of normal range Use laboratory-published range Laboratory generates range using Brill-Edwards ex vivo curve Brill-Edwards P, Ginsberg JS, Johnston M, Hirsh J. Establishing a therapeutic range for heparin therapy. Ann Intern Med 1993;119:104-109.

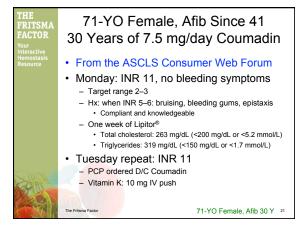


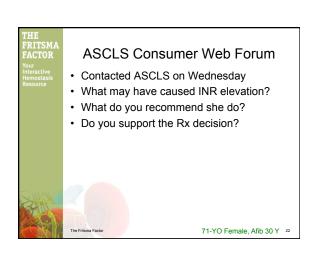


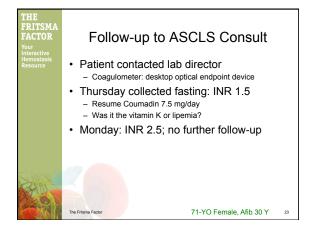


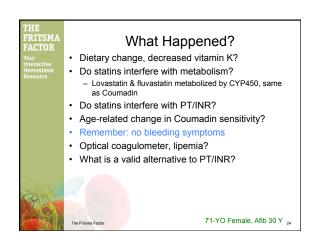


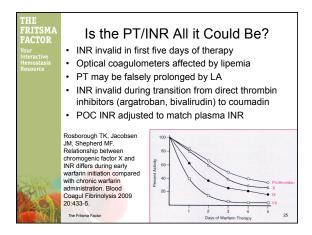


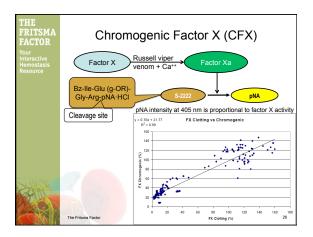


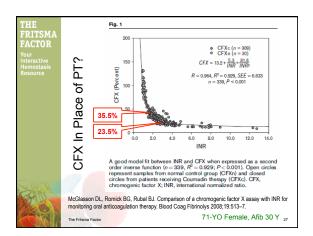


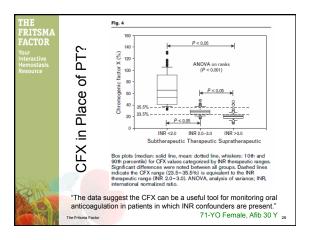


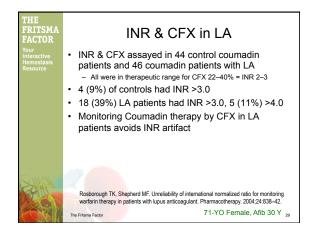


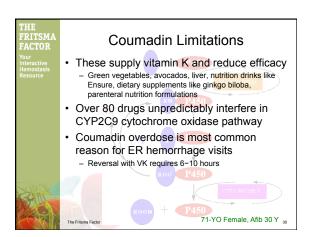


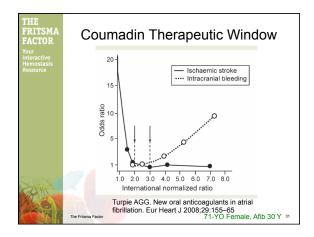


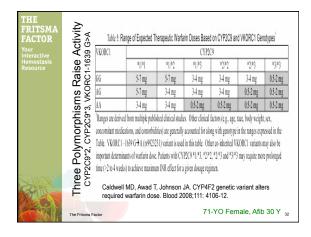


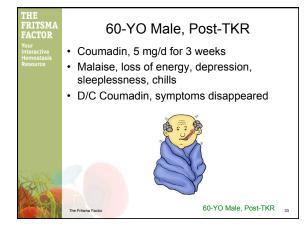


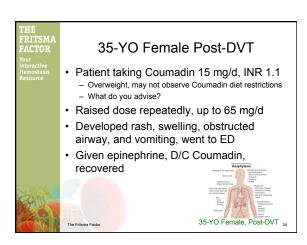


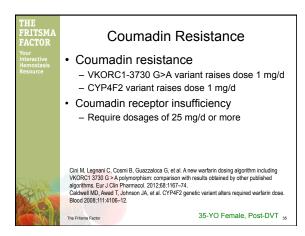


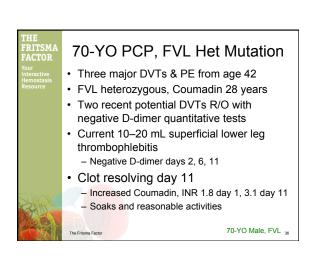


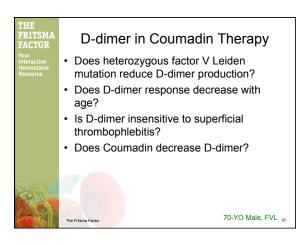


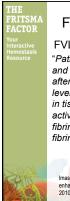












### **FVL Increases Fibrin Dissolution**

FVL may mitigate DIC incidence and severity "Patients with FVL displayed higher levels of D-dimer and fibrinogen-fibrin degradation products in plasma after 24 hours. Patients with FVL generate higher levels of soluble fibrin, which may serve as cofactor in tissue plasminogen activator-induced plasminogen activation, leading to a more sustained activation of fibrinolysis with production of more fibrinogen- and fibrin-degradation products."

Imas E, Suvajac N, Jilma B, Weiler H, Borggrefe M, Dempfle CE. Factor V Leiden mutation enhances fibrin formation and dissolution in vivo in a human endotoxemia model. Blood 2010;116:801–5.

Factor 70-YO Male, FVL 38

FRITSMA
FACTOR
Your
Interactive
Hemostasis
Resource

# 100 Patients with Superficial Thrombophlebitis, All Ages

- Mean D-dimer: 829 ηg/mL
- DD <500 ηg/mL in 32%; ≥500 ηg/mL in 68%
- DD ≥500 in 100% >70 YO (n=22)
- Unselected healthy ≥70-YO (n=78)
   DD ≥500 ng/mL in 59%
- DD positively correlated with thrombus volume in patients <70 YO (p<0.0001)
- DD does not contribute to ST diagnosis

Gillet JL, Ffrench P, Hanss M, Allaert FA, Chleir F. Predictive value of D-dimer assay in superficial thrombophlebitis of the lower limbs. [Article in French, English abstract] J Mal Vasc. 2007;32:30–5.

e Fritsma Factor 70-YO Male, FVL 39



### High D-dimer Prevalence Rises with Age

"In a geriatric population, ELISA D-dimer is a good marker to exclude PE but, due to the co-morbid conditions, only a few patients presented with D-dimer values <500 qg/mL."

Tardy B, Tardy-Poncet B, Viallon A, et al. Evaluation of D-dimer ELISA test in elderly patients with suspected pulmonary embolism. Thromb Haemost 1998:79: 38–41

70-YO Male, FVL 40

THE FRITSMA FACTOR Your Interactive Hemostasis

# 69-YO with Atrial Fibrillation Bleeding in ED: What's he Got?

_		
	Result	RI
PT	13.1 s	8.3–10.8 s
INR	1.3	0.9–1.2
PTT	47 s	25–35 s
PTT 1:1 lmm Mix	44 s	Control 29 s
TT	> 200 s	17–20 s
Reptilase time	20 s	16–22 s
PTT-LA	77 s	36–47 s
PTT-LA 1:1 Mix	69 s	Control 45 s
StaClot LA δ	7 s	>8 s
DRVVT confirm ratio	1.3	<1.2



## Two Cases of Rectal Bleeding

- 79-YO woman, acute renal failure
  - Dabigatran 110 mg BID, 2 m for atrial fibrillation
- 69 kg, GFR: 20.7 mL/min (>30), INR 14.5
- Dabi stopped on admission, normalized after 11 days
- · 84-YO man, acute renal failure, dehydration
  - Dabi 110 mg BID for atrial fibrillation
  - 74 kg, GFR 33.5 mL/min, INR 7.5
  - Dabi stopped on admission
  - Discharge GFR: 66.5 mL/min, INR 1.53
- "These cases indicate the importance of PT and INR monitoring when using dabigatran"

Béné J, Saïd W, Rannou M, Rectal bleeding and hemostatic disorders induced by dabigatran et exilate in 2 elderly patients. Ann Pharmacother 2012;46:e14.

Two Cases of Rectal Bleeding 42

