



 The Fritsma Factor
 Bottom Line at the Start [BLAST]

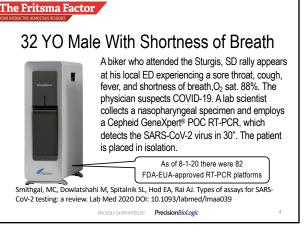
 Keep it Simple and Short
 [KISS—no hope]

 The participant...
 (KISS—no hope]

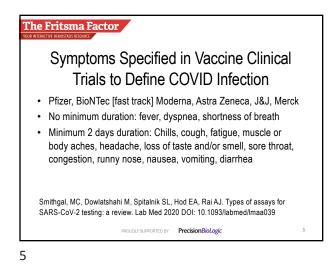
 Proposes the pathophysiology and comorbidities associated with COVID infections.
 (KISS)

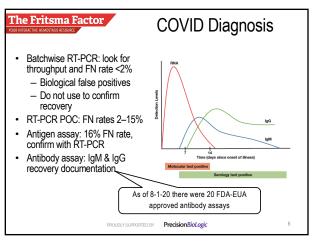
 Applies relevant COVID diagnostic and prognostic laboratory assays results.
 (KISS)

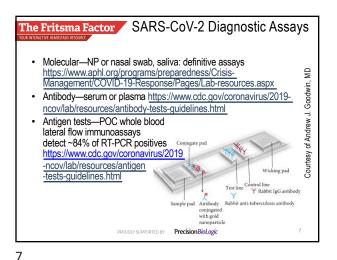
 Aligns COVID lab results and pathophysiology with disease progress.
 (KISS)

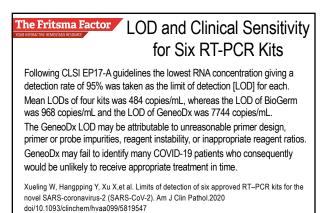


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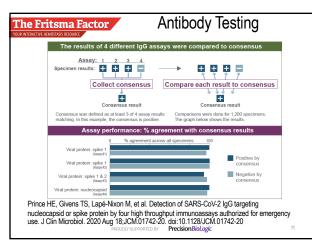
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8

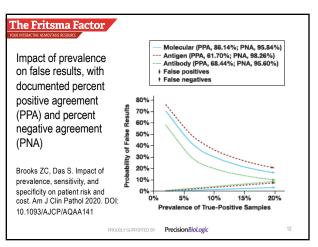
The Fritsma Factor	Cleveland Clinic Senstivities of 5 PCR Methods			
239 specimens meeting incl	lusion criteri	a, LOD 20 copies/µL		
Method	Sensitivity	Comment		
CDC nCoV RT-PCR	100%	Full extraction, freeze-thaw,		
TIB MOLBIOL/Roche z 400	96.5%	high throughput, 3 target genes		
Cepheid Xpert Xpress SARS-CoV-2	97.6%	POC direct specimen,		
DiaSorin Simplexa COVID-19 Direct	88.1%	two target genes		
Abbott ID-NOW; COVIS-19	83.3%	POC direct, single target		
"Today, the FDA is alerting the public to data I Abbott ID NOW point-of-care test to diagnose negative results." May 14, 2020 FDA News R About Possible Accuracy Concerns with Abbo	e COVID-19. Spe elease: COVID- ott ID NOW Point	cifically, the test may return false 19 Update: FDA Informs Public t-of-Care Test		
Procop GW, Brock JE, Erineks EZ. A com with clinical correlations. Am J Clin Pathol				
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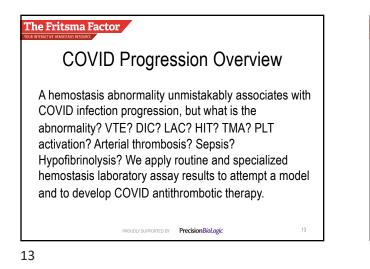
PCR-positive	Pts >14 d afte	r onset, increas	ingly positive over time
Method	Sensitivity	Specificity	Comment
EUROIMMUNE	93.1–96.6%	86.3%-96.4%	IgG: S1 target EIA
Roche	98.3%	100%	IgG/M N target CLIA
Siemens	96.6%	100%	IgG/M RBD target CLIA
DiaSorin	87.7%	96.1–97%	IgG: S1 & S2 targets CLIA
	ne specificity and	sensitivity achie	BD=receptor binding /ed by the Roche and r-prevalence regions.
	are acceptable i	•	1 0

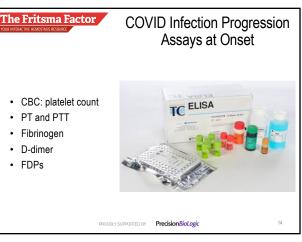




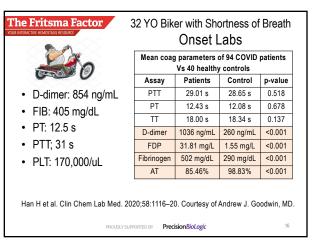
The Fritsma Factor

Plasminog

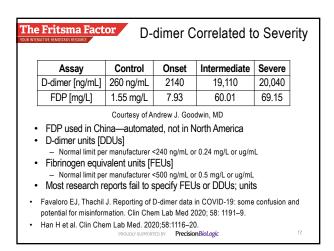


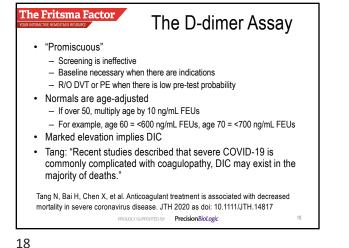


14









15

 TPA
 PAH
 FDPs, 0-dimer

 plasmin
 0
 0
 0

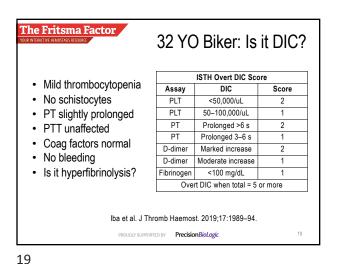
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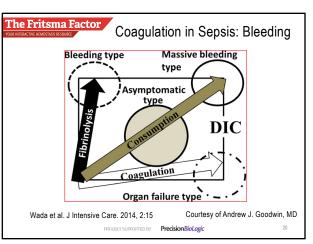
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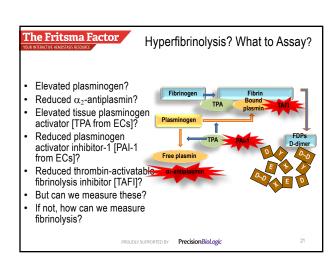
Fibrinolysis

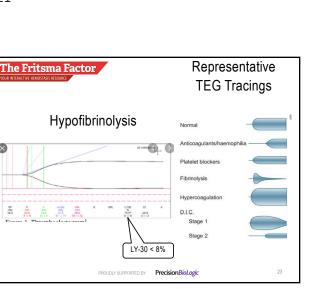
Fibri

Bound

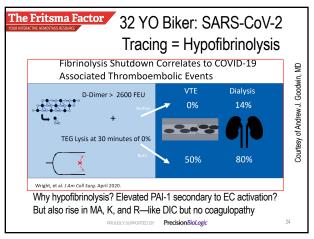


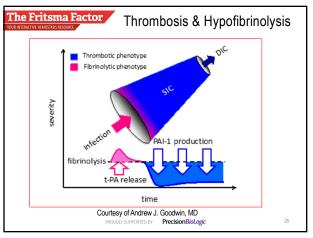




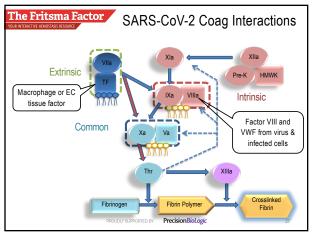


	ha MA LY30		R.E	E.B.E.L. <mark>E M</mark>
· · · · · ·			Thrombo	elastography
Coagulatio				
	Thromboela	astogram (T	EG)	
Components	Definition	Normal Values	Problem with	Treatment
R Time	Time to start forming clot	5 – 10 minutes	Coagulation Factors	FFP
K Time	Time until clot reaches a fixed strength	1 – 3 minutes	Fibrinogen	Cryoprecipitate
Alpha angle	Speed of fibrin accumulation	53 – 72 degrees	Fibrinogen	Cryoprecipitate
Maximum Amplitude (MA)	Highest vertical amplitude of the TEG	50 – 70 mm	Platelets	Platelets and/or DDAVP
Lysis at 30 Minutes (LY30)	Percentage of amplitude reduction 30 minutes after maximum amplitude	0 - 8%	Excess Fibrinolysis	Tranexemic Acid and/or ²² Aminocaproic Acid

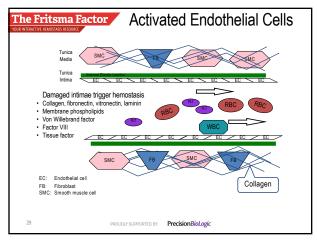




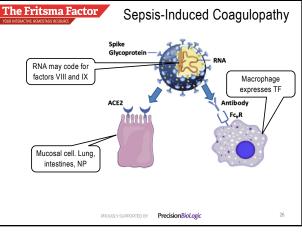


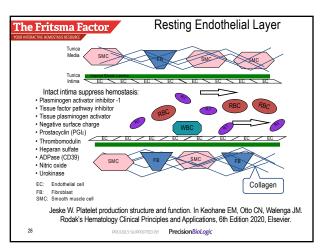


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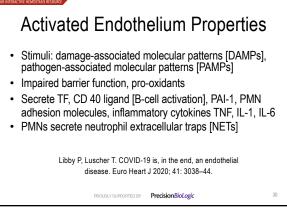


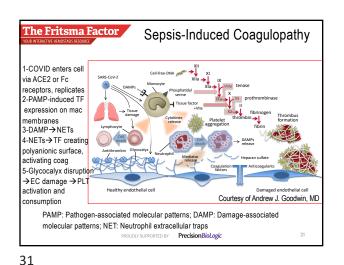


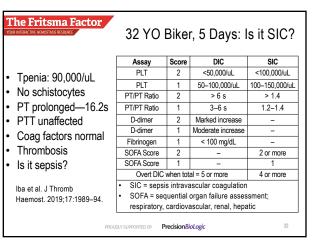


28

The Fritsma Factor

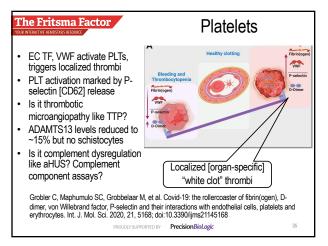




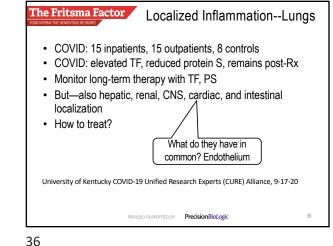


Assay	Patient	Reference Interva	
PMNs	750/uL	17–7500/uL	
Pelgeroid	10%	-	
Lymphs	900/uL	1000–11500/uL	
Reactive	15%	-	
PLTs	65,000/uL	150-450,000/uL	
CRP	1425 ug/dL	< 820 ug/dL	
Serum ferritin	850 ng/mL	40-400 ng/mL	
IL-6	Elevated	-	
Procalcitonin	1.6 ug/L	< 0.5 ug/L	
Anti β-2-glycoprotein 1	Positive	Negative	
Antithrombin, PC, PS	< 60%	>60%	

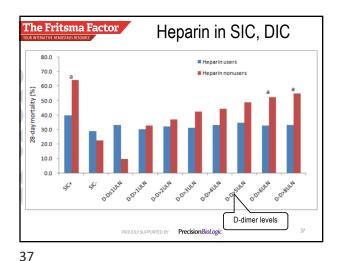
34

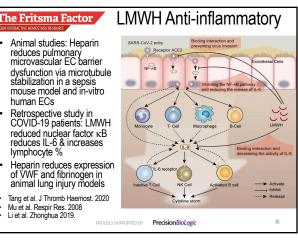


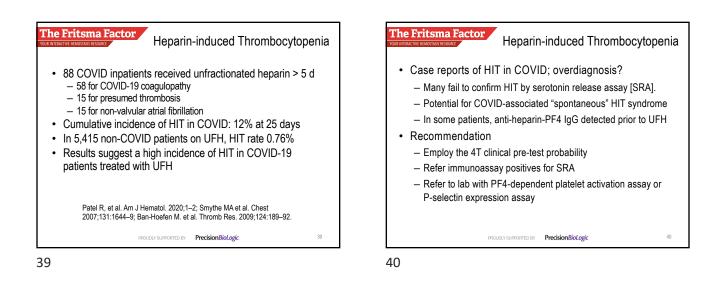
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Experimental Rx: Ab8

- U of Pittsburgh scientists isolated the smallest molecule to date that completely and specifically neutralizes the SARS-CoV-2 virus. This antibody component, 10X smaller than a full-sized antibody, has been used to construct a drug— Ab8—for use as a therapeutic and prophylactic against SARS-CoV-2.
- "The researchers report today [9-22-20] that Ab8 is highly
 effective in preventing and treating SARS-CoV-2 infection in mice
 and hamsters. Its tiny size not only increases its potential for
 diffusion in tissues to better neutralize the virus, but also makes it
 possible to administer the drug by alternative routes, including
 inhalation. It does not bind human cells—a sign that it may not
 have negative side-effects in people."
- LI W, Schafer A, Kulkami SS, et al. High potency of a bivalent human VH domain in SARS-CoV-2 animal models. Cell 2020. DOI:https://doi.org/10.1016/j.cell.2020.09.007 Proclety supported by PrecisionBiologic 4

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