
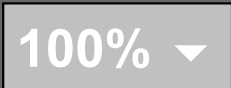



# *Activation of Platelets by Thrombin*





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# How to Use These Slides

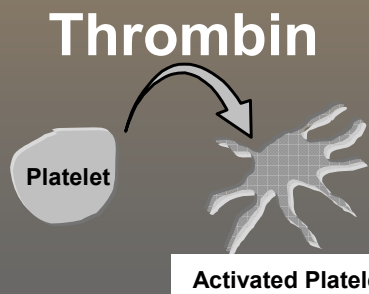
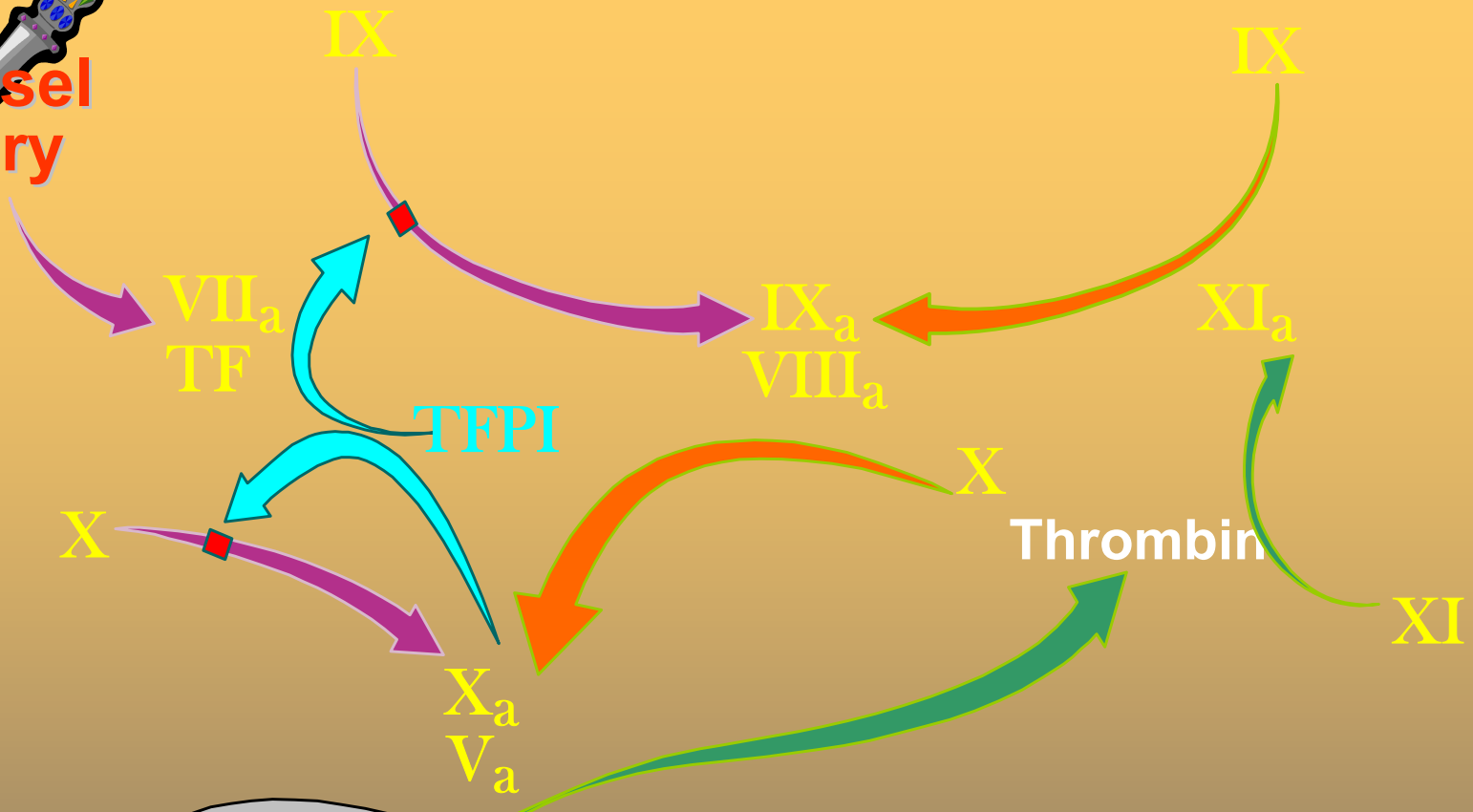
- On Adobe toolbar,    click down & choose "Fit Page" for correct viewing size
- Slide 3 provides you with a legend for all symbols used in the pathway slides that follow
- Slide 4 shows you the entire pathway to be featured in this series
- The remainder of the slides show you the pathway in sequential order so that you can follow each step in the process
  - Advance slides slowly to closely follow each addition
  - Advance slides quickly and you will be able to see a "cascading" effect

Symbol	Name
FXII	Factor XII
FXII <sub>a</sub>	Activated FXII
HMWK	High Molecular Weight Kininogen
FXI	Factor XI
FXI <sub>a</sub>	Activated FXI
FIX	Factor IX
FIX <sub>a</sub>	Activated FIX
FVIII <sub>a</sub>	Activated Factor VIII
FX	Factor X
FX <sub>a</sub>	Activated FX
FV <sub>a</sub>	Activated Factor V
TFPI	Tissue Factor Pathway Inhibitor

Symbol	Name
	Inhibits
	"converts", "gives rise to", "yields"



**Vessel Injury**

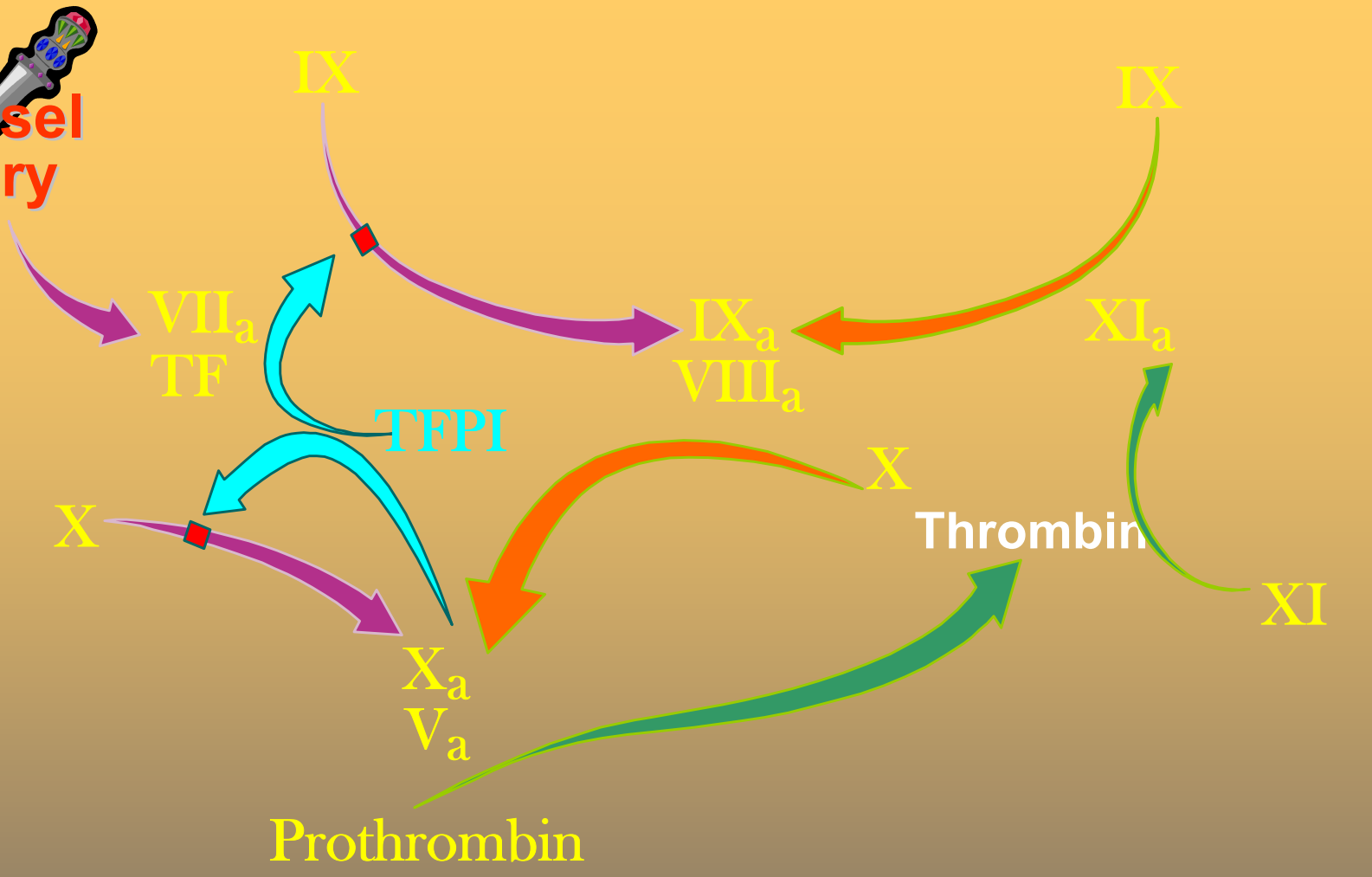


Adapted from Broze, Semin Hematol 1992;29:159-69





Vessel Injury

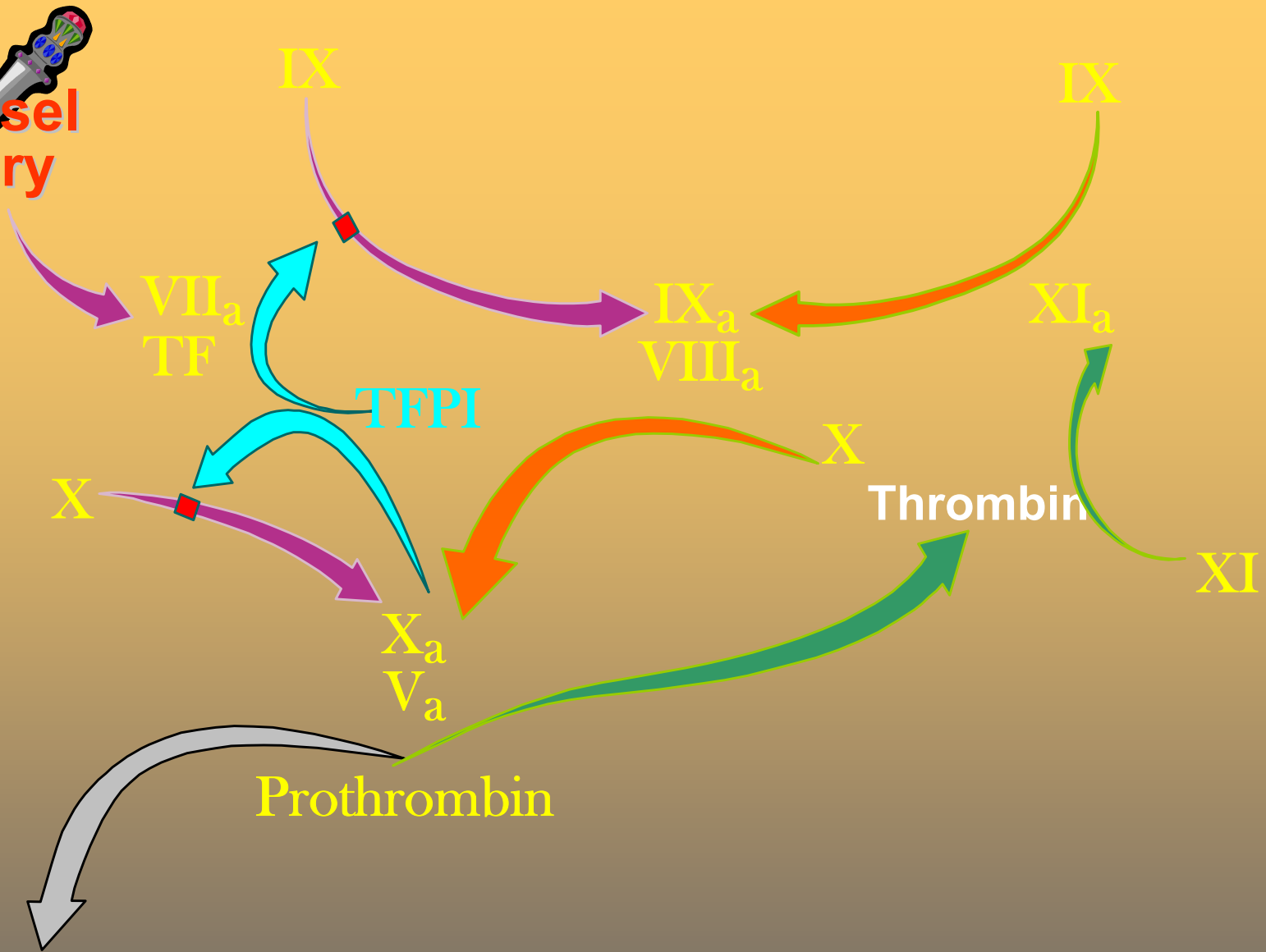


Prothrombin

Thrombin



Vessel Injury

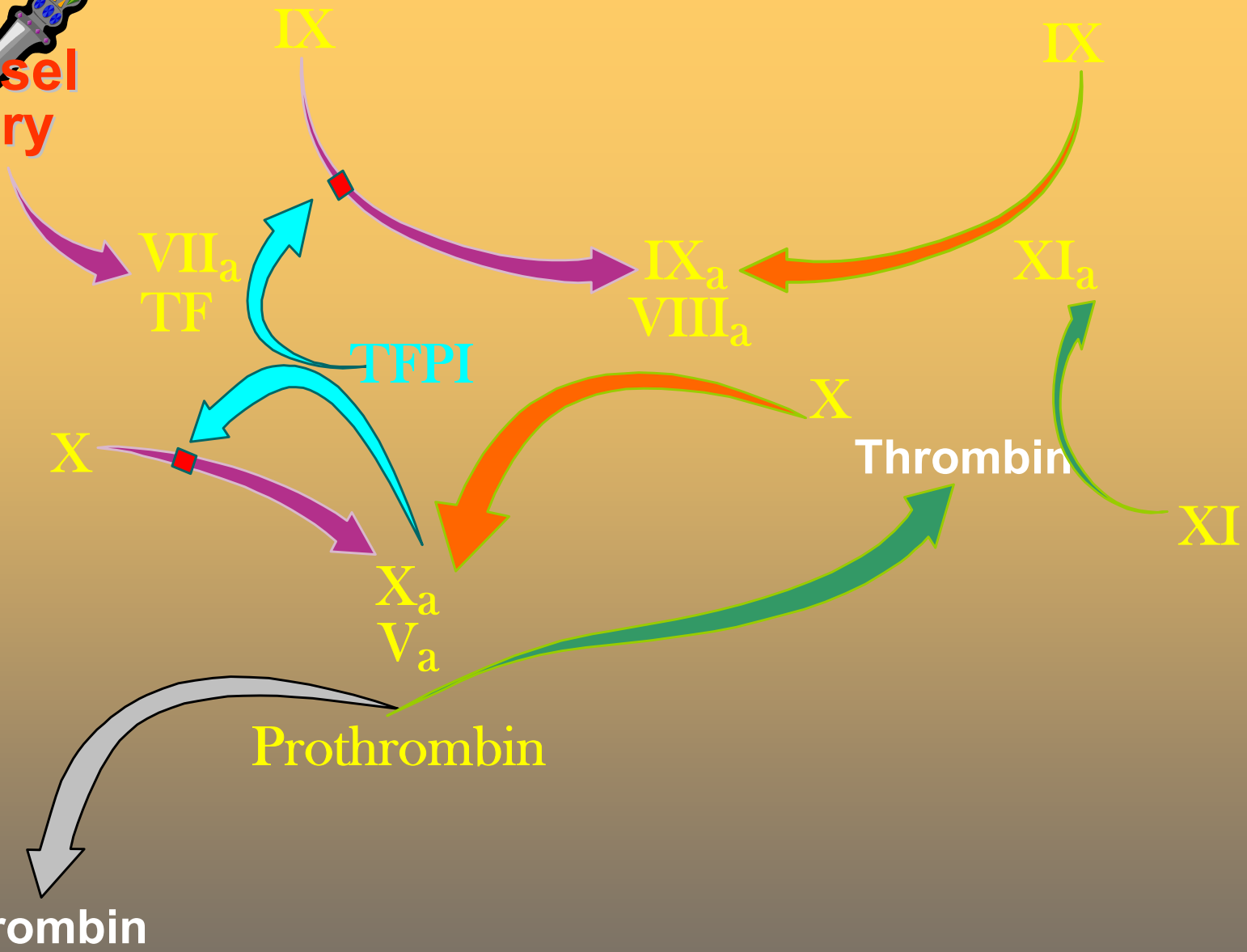


Prothrombin

Thrombin



Vessel Injury



Thrombin

Prothrombin

Thrombin

XI

XI<sub>a</sub>

IX<sub>a</sub>  
VIII<sub>a</sub>

VII<sub>a</sub>  
TF

TFPI

X

X<sub>a</sub>  
V<sub>a</sub>

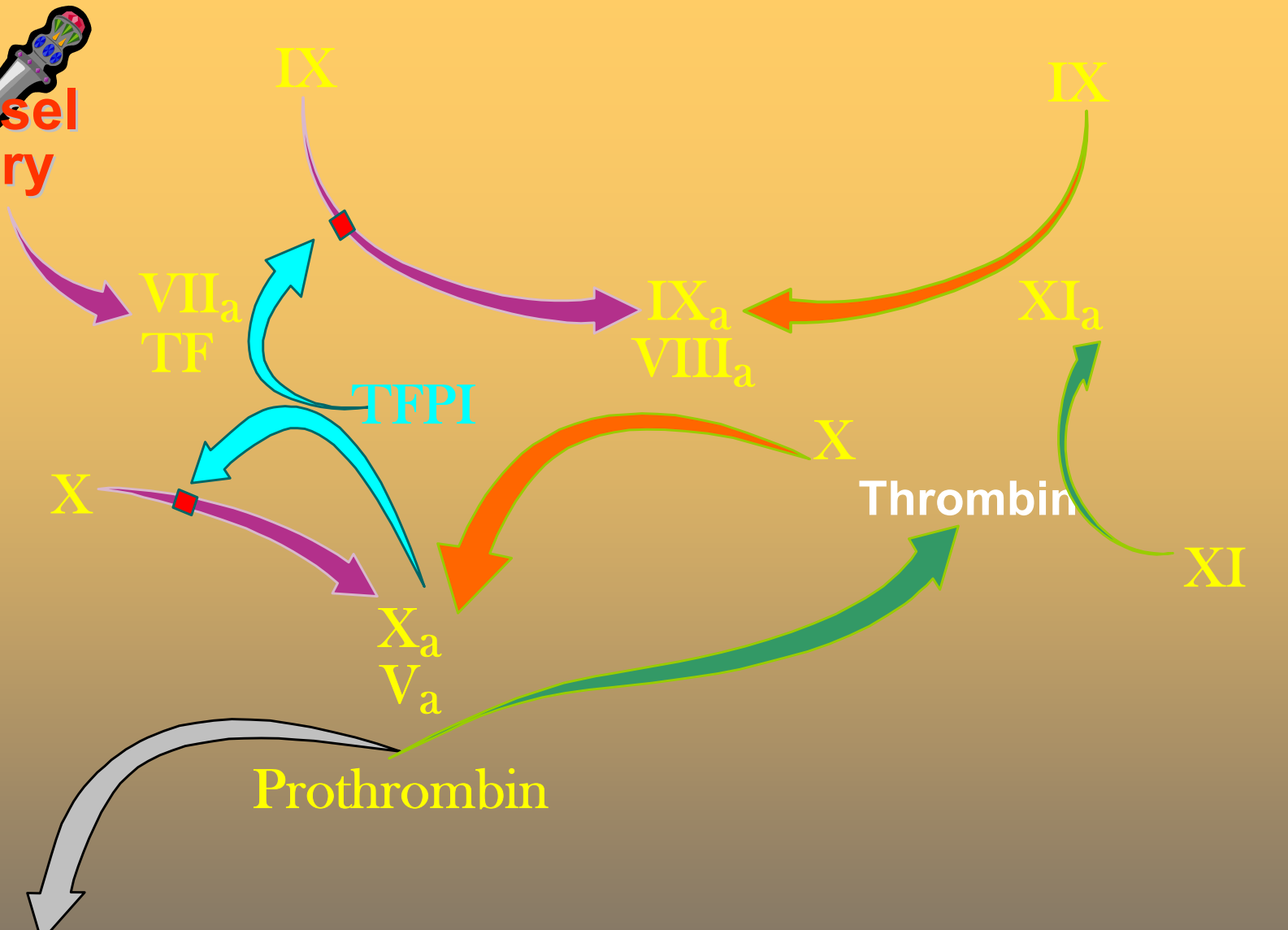
IX

IX





Vessel Injury



VII<sub>a</sub>  
TF

IX

IX<sub>a</sub>  
VIII<sub>a</sub>

IX

XI<sub>a</sub>

TFPI

X

X

Thrombin

XI

X<sub>a</sub>  
V<sub>a</sub>

Prothrombin

Thrombin

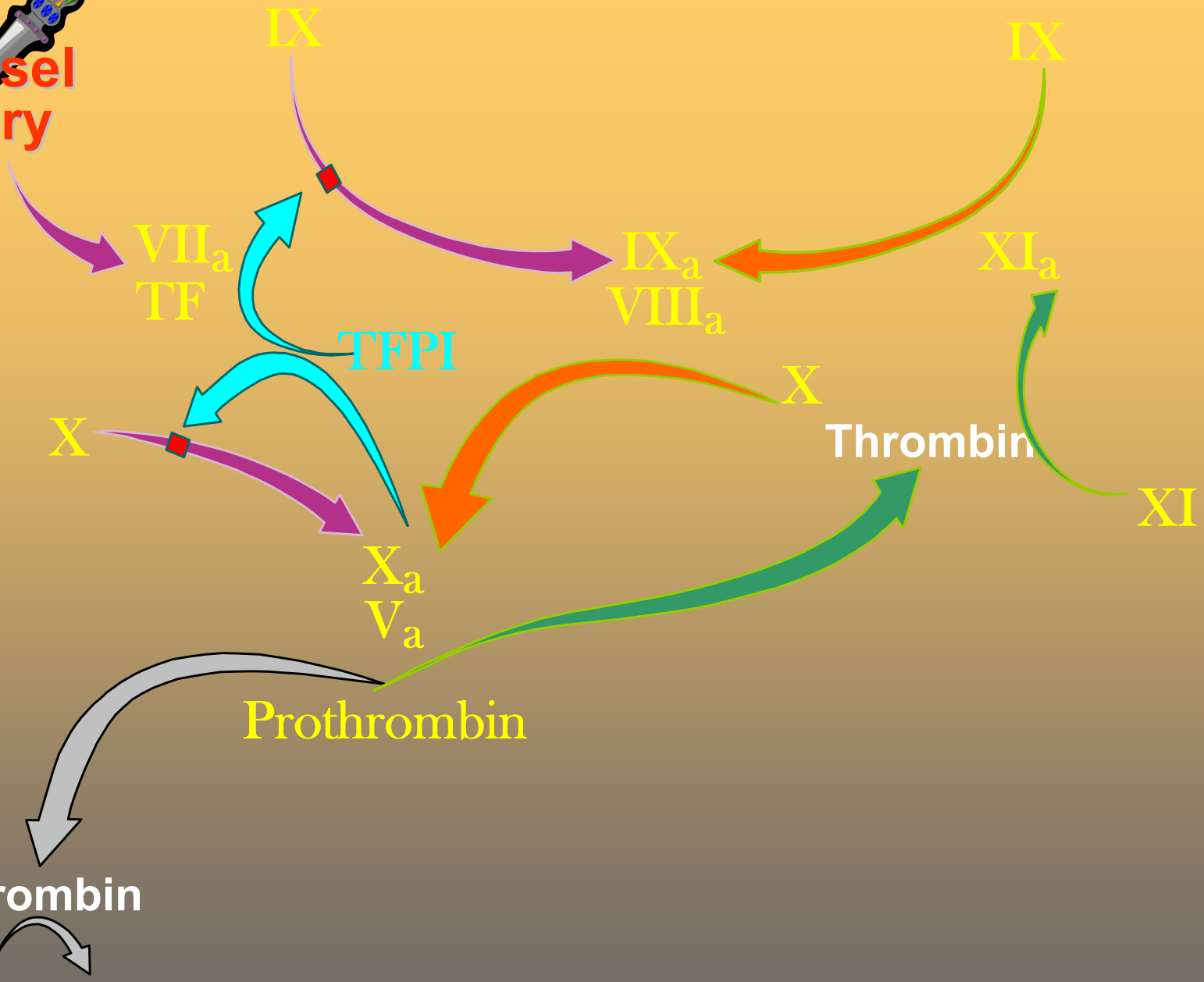


Platelet

CLOT-ED

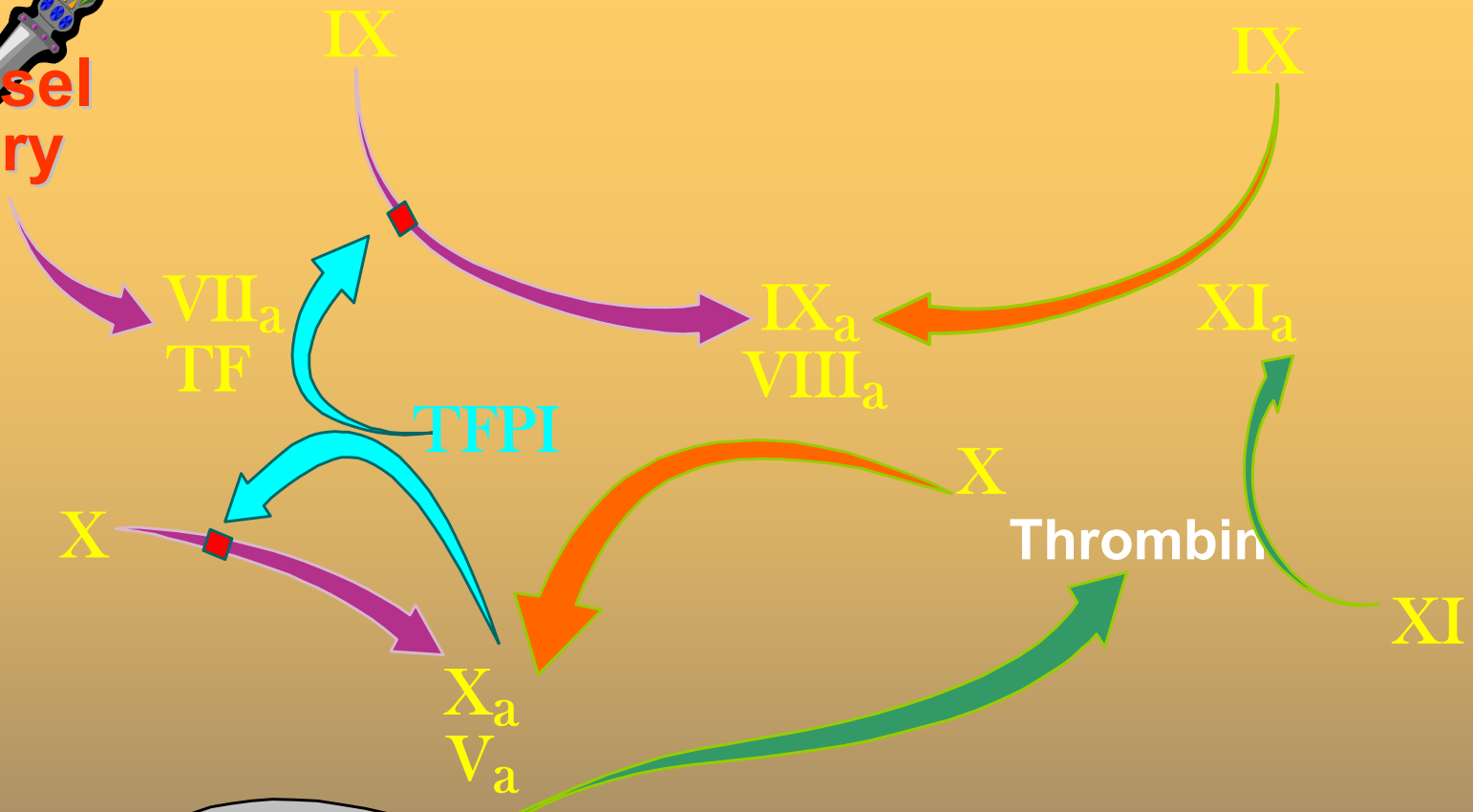


Vessel Injury





**Vessel Injury**



**Prothrombin**

**Thrombin**



Platelet

Activated Platelet