



## INTRODUCTION

# Secondary

# Hemostasis



Fibrinogen

Fibrin



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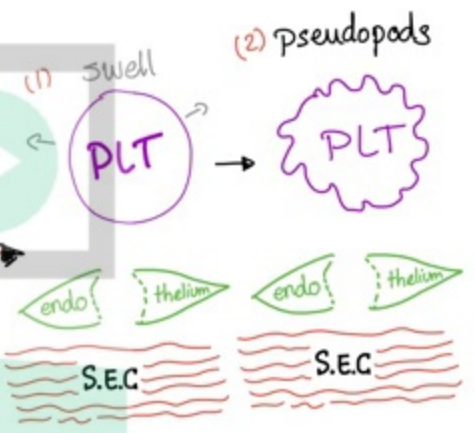
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Normal "intact endothelium"



injury





Hippocrates:

fibers 

(2) Galen

"thrombus"

Why does blood clot outside the body, but not inside the vessel

(3) William Hewson (The father of Hematology) 1770

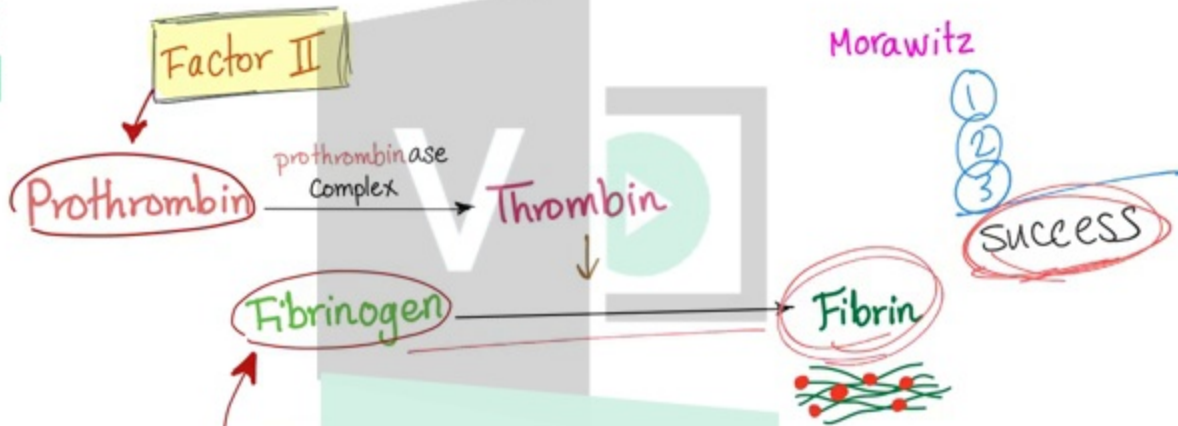


Eureka!

The blood can  
CLOT!

# Coagulation  
is  
King!

Vizle



\* We name the factors chronologically as we discover them :)



# What's a cascade ?!

- something falling or rushing forth.
- a series of steps.

acceleration (a)

$$= \frac{\Delta v}{\Delta t}$$

#gravity

Small waterfall

Zigzag



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