SMART PHARMACOLOGY

LESSON 4 SPRING

Task 1

Give a definition of the concept of “coagulopathy”.
Why is it of great importance now?
Please define the below mentioned terms

Adhesion – _____

_____

_____

Aggregation – _____

_____

_____

Agglutination –

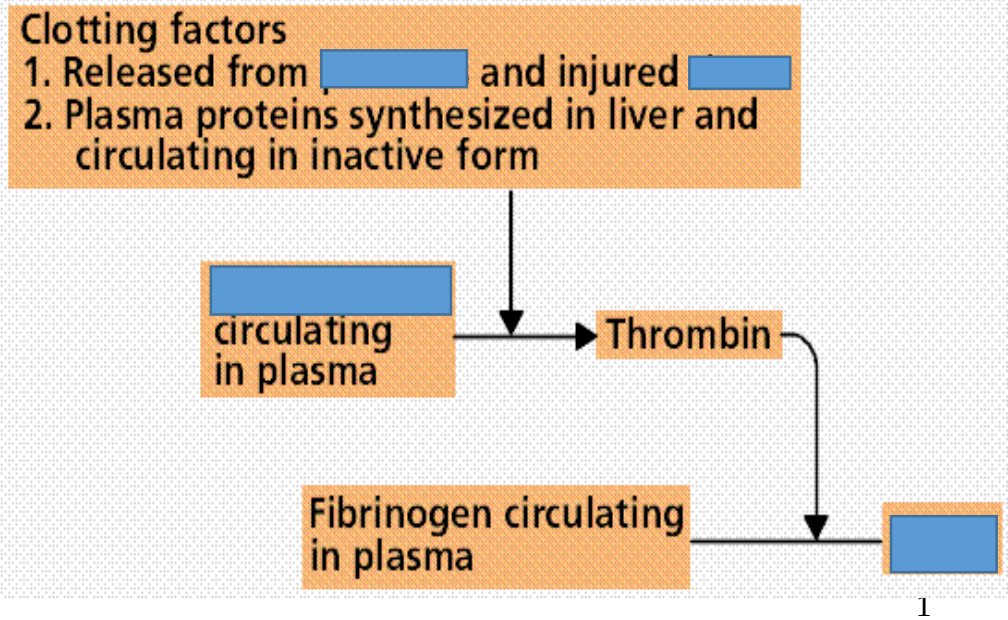
_____

_____

_____

Task 2

Please describe
the following picture.
What is the mechanism
of coagulation hemostasis
action?



Task 3

Please fill in the table. Specify the mechanism of action of the direct-acting anticoagulants.

Direct-acting anticoagulants	
Resorptive-acting	***Local-acting***
HIGH MOLECULAR HEPARINS ***LOW MOLECULAR HEPARINS***	

_____
_____
_____
_____
_____
_____

Task 4

Please describe the pharmacodynamics of direct-acting anticoagulants?

PD effect	Description
1.	
2.	
3.	
4.	
5.	
6.	

Task 5

Please fill in the Table with the pharmacokinetics of heparin.

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Type of heparin administration	Onset of action	Duration
1.		
2.		
3.		
4.		
5.		

Task 6

Please describe this drug: pharmacological group, mechanism of action, indications

_____

_____

_____

_____

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Task 7

Please complete the table of indirect-acting anticoagulants

Name of the drug	
1.	
2.	
3.	
4.	
PD effects	
Mechanism of action	

Task 8

Please compare Warfarin and direct oral anticoagulants (DOA)

Peculiarities	Warfarin	DOA
1. Mechanism of action		
2. Dose		
3. Monitoring		
4. Dietary effect		
5. **Risk of bleedings**		

Task 9

Please describe the action of anti-platelet drugs. Specify the groups and the drugs.

Task 9

Please complete the table

Medicines	*Route of administration*	*Onset of effect*	*Duration of effect*
Heparin			
*Nadroparin**			
Acenocumarol			
Fenindion			
*Dipyridamol***			
*Ticlopidine***			
Acetylsalicylic acid			