## Cheatography

## Patho unit 4 Hemodynamic, Thromboembolic and shock Cheat Sheet by damn via cheatography.com/195477/cs/41713/

Normal Hemostasis	Secondary Hemostasis (Blood clot formation)	
Sequence of response	Clotting factors	Intrinsic pathway
1. Vasoconstriction	1. Plasma Proteins	- By negatively charged surface
2.Formation of platelet plug (Primary hemostasis)	2. Tissue factor	- Initiate XII
3. Blood clot formation (Secondary)	3. Calcium	
4. Clot stabilization and resorption	Common stages of Clotting	Extrinsic pathway
	1. Factor X -> Xa	- By tissue factor
Primary hemostasis	2. Prothrombin (II) -> Thrombin	- Initiate VII
1. Platelet adhesion and shape change	(IIa)	
- Stick to rough surface thru vWF	3. Fibrinogen (I) -> Fibrin (Ia)	
2.Shape change of platelet	- Fibrin trap neutrophil & RBC	
- Spiky		
- Alter surface glycoproteins for fibrinogen affinity	Lab test for clot formation	
- Translocate -vely charged phospholipids to surface	Prothrombin time: Extrinsic	Partial thromboplastin time: Intrinsic
- Provide site for coagulation factor complex assembly	<b>Detraction:</b> District adhering to fi	
3.Platelet release reaction	Retraction: Platelet adhering to fil	onn contract, squeeze out serum
- TXA2, ADP, Serotonin	Clot Stabilization and resorption	
- Recruit platelets	- Fibrinolysis: Plasminogen -> Plasmin (Clot buster)	
4. Platelet aggregation	- Or by plasminogen activators (t-PA)	
- Form platelet plug		,
- TXA2, ADP, Thrombin, Fibrinogen	Thrombin	
Hemorrhage	1. Convert fibrinogen to cross-linked fibrin	
Petechia <purpura<ecchymosis< td=""><td colspan="2">2. Platelet activation</td></purpura<ecchymosis<>	2. Platelet activation	
Hemorrhagic disorders	3. Pro-inflammatory	
-	4. Anticoagulant	
Defects in coagulation factors, platelets or vessel walls     Defects of primary homeotopic (Platelets (vWE))	-	
<ol> <li>Defects of primary hemostasis (Platelets/ vWF)</li> <li>Defects of secondary hemostasis (Coagulation factors)</li> </ol>	Thrombosis	
	1. Endothelial injury	
3. Vascular fragility	- Thrombosis in heart/ arterial circ	culation
Emobolism	2. Stasis/ turbulent blood flow	
- Detached intravascular solid, liquid or gaseous mass that is carried	- Disrupt laminar flow & bring platelet to endothelium	
by blood away form its origin	3. Hypercoagulability of blood	
- Composed of thrombi	- aka Thrombophillia	
- Cause infarction (99%)	Fate of thrombus	

- Cause infarction (99%)

- 1. Propagation
- 2. Embolization
- 3 Dissolution
- 4. Organization& Recalalization



By damn cheatography.com/damn/ Not published yet. Last updated 14th December, 2023. Page 1 of 1. Sponsored by Readable.com Measure your website readability! https://readable.com