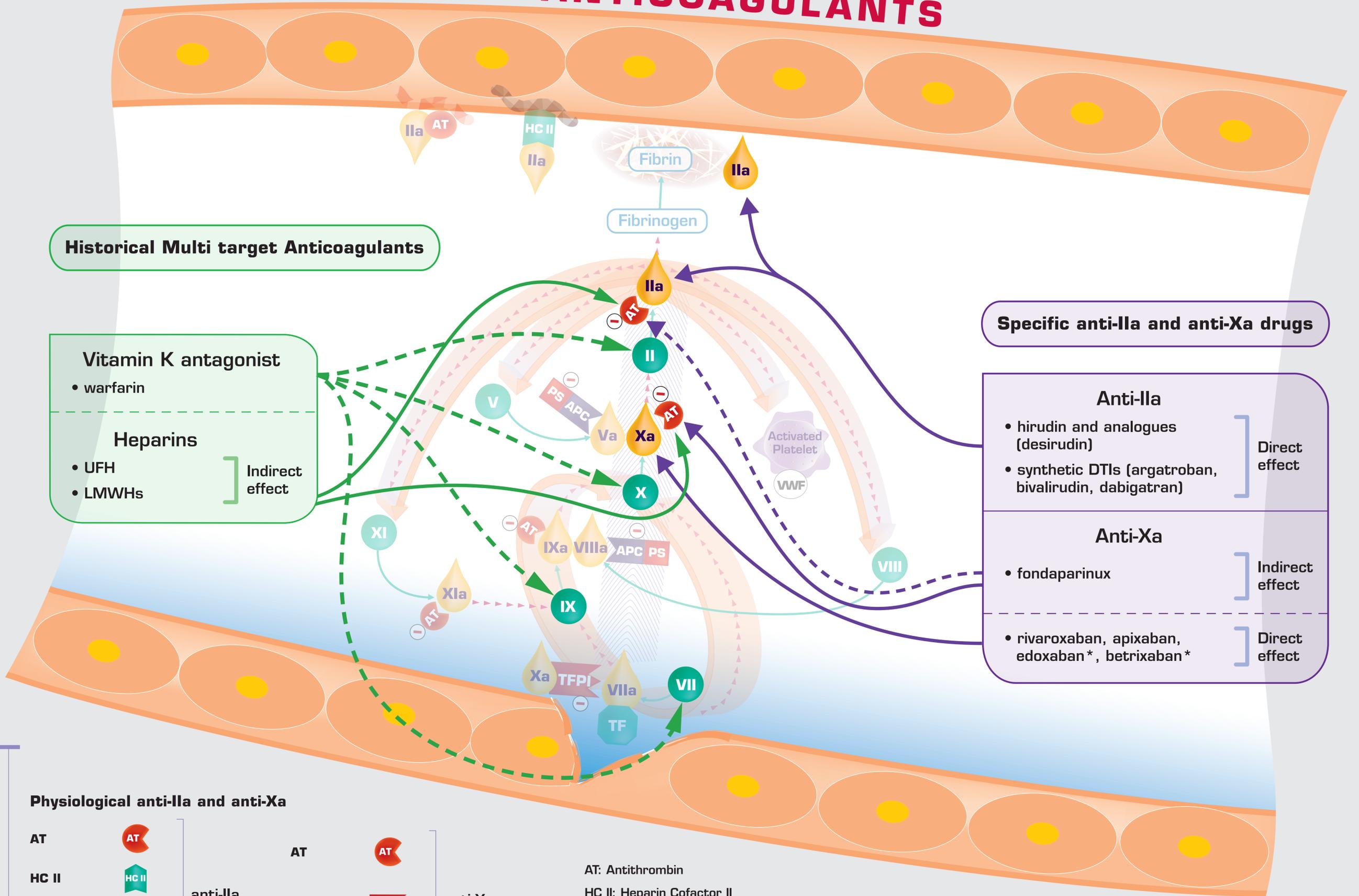


ANTICOAGULANTS



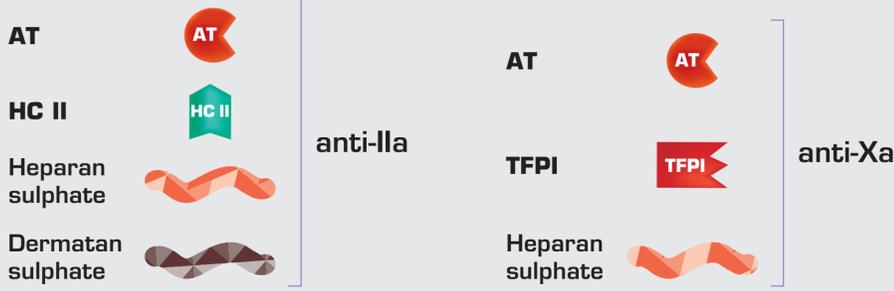
Historical Multi target Anticoagulants

- Vitamin K antagonist**
 - warfarin
 - Heparins**
 - UFH
 - LMWHs
- Indirect effect

Specific anti-IIa and anti-Xa drugs

- | | |
|---|-----------------|
| Anti-IIa <ul style="list-style-type: none"> • hirudin and analogues (desirudin) • synthetic DTIs (argatroban, bivalirudin, dabigatran) | Direct effect |
| Anti-Xa <ul style="list-style-type: none"> • fondaparinux | Indirect effect |
| <ul style="list-style-type: none"> • rivaroxaban, apixaban, edoxaban*, betrixaban* | Direct effect |

Physiological anti-IIa and anti-Xa



AT: Antithrombin
 HC II: Heparin Cofactor II
 TFPI: Tissue Factor Pathway Inhibitor
 UFH: Unfractionated Heparin
 LMWH: Low Molecular Weight Heparin

*These drugs are not yet approved for clinical use in the US



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