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## Fibrinolysis - primary or secondary

Fibrinolysis is a normal body process. It prevents blood clots that occur naturally from growing and causing problems.

Primary fibrinolysis refers to the normal breakdown of clots.

Secondary fibrinolysis is the breakdown of blood clots due to a medical disorder, medicine, or other cause. This may cause severe bleeding.

## Causes

Blood clots form on a protein called fibrin. The breakdown of fibrin (fibrinolysis) can be due to:

- Bacterial infections
- Cancer
- Intense exercise
- Not enough oxygen to tissues

Your health care provider may give you medicines to help blood clots break down more quickly. This may be done if a blood clot causes a heart attack or other medical problem.

## Alternative Names

Primary fibrinolysis; Secondary fibrinolysis

## References

Brummel-Ziedins K, Mann KG, Fredenburgh JC, Weitz JI. Molecular basis of blood coagulation. In: Hoffman R, Benz EJ, Silberstein LE, et al, eds. *Hematology: Basic Principles and Practice*. 8th ed. Philadelphia, PA: Elsevier; 2023:chap 125.

Schafer AI. Disseminated intravascular coagulation and bleeding in liver failure. In: Goldman L, Cooney KA, eds. *Goldman-Cecil Medicine*. 27th ed. Philadelphia, PA: Elsevier; 2024:chap 161.

Weitz JI. Hemostasis, thrombosis, fibrinolysis, and cardiovascular disease. In: Libby P, Bonow RO, Mann DL, Tomaselli GF, Bhatt DL, Solomon SD, eds. *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine*. 12th ed. Philadelphia, PA: Elsevier; 2022:chap 95.

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