

# Von Willebrand Factor (vWF)

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## Table of contents

1 Overview	1
2 Clinical significance	1

## 1 Overview

- vWF is a multimeric plasma protein present in blood plasma and platelets and produced in endothelium, megakaryocytic and subendothelial tissues<sup>1</sup>
- Facilitates hemostasis by stabilizing coagulation factor VII (a clotting protein, helps in platelet adhesion) and recruiting platelets to injured vessel wall or thrombi through interaction with GPIb-<sup>1</sup>

## 2 Clinical significance

- Increase in vWF in the blood = indicator of endothelial injury<sup>1</sup>
1. Hassan MdI, Saxena A, Ahmad F. Structure and function of von Willebrand factor. *Blood Coagulation & Fibrinolysis*. 2012;23(1):11-22. doi:[10.1097/MBC.0b013e32834cb35d](https://doi.org/10.1097/MBC.0b013e32834cb35d)